

Regression Analysis of All Entertainment Networks

REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT ECin

/METHOD=STEPWISE Nodes Edges_d Reciprocity Den_d CC_d GD_d Tpaths_d TSpats_d
AvgPL_d AvgGL_d PL_TpinN PL_TSpinN S_con R_con SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created	05-JUN-2015 14:54:46
Comments	
Input	Active Dataset DataSet7

	Filter	<none>	
	Weight	<none>	
	Split File	<none>	
	N of Rows in Working Data File		91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.	
	Cases Used	Statistics are based on cases with no missing values for any variable used.	
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT ECin /METHOD=STEPWISE Nodes Edges_d Reciprocity Den_d CC_d GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d PL_TpinN PL_TSpinN S_con R_con SMSP_d /SCATTERPLOT=(*ZRESID,*ZPRED) /SAVE COOK.	
Resources	Processor Time		00:00:00.25
	Elapsed Time		00:00:00.26
	Memory Required	17360 bytes	

	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_5	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	Tpaths_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	Reciprocity		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: ECin

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.525 ^a	.276	.268	.00408084551 3159
2	.583 ^b	.340	.325	.00391696551 3281

a. Predictors: (Constant), Tpaths_d

b. Predictors: (Constant), Tpaths_d, Reciprocity

c. Dependent Variable: ECin

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.001	1	.001	33.908	.000 ^b
	Residual	.001	89	.000		
	Total	.002	90			
2	Regression	.001	2	.000	22.704	.000 ^c
	Residual	.001	88	.000		
	Total	.002	90			

a. Dependent Variable: ECin

b. Predictors: (Constant), Tpaths_d

c. Predictors: (Constant), Tpaths_d, Reciprocity

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.021	.002		11.711	.000
	Tpaths_d	-.935	.161	-.525	-5.823	.000
2	(Constant)	.020	.002		11.608	.000
	Tpaths_d	-.819	.159	-.460	-5.144	.000
	Reciprocity	-.044	.015	-.262	-2.933	.004

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	Tpaths_d	1.000	1.000
2	(Constant)		
	Tpaths_d	.938	1.066
	Reciprocity	.938	1.066

a. Dependent Variable: ECin

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	Nodes	.133 ^b	1.126	.263	.119	.585	1.708
	Edges_d	.128 ^b	1.060	.292	.112	.562	1.781
	Reciprocity	-.262 ^b	-2.933	.004	-.298	.938	1.066
	Den_d	.056 ^b	.404	.687	.043	.429	2.332
	CC_d	-.053 ^b	-.570	.570	-.061	.932	1.073
	GD_d	-.109 ^b	-.906	.367	-.096	.560	1.784
	TSpaths_d	.313 ^b	.538	.592	.057	.024	41.244
	AvgPL_d	-.075 ^b	-.437	.663	-.047	.278	3.593
	AvgGL_d	.012 ^b	.078	.938	.008	.327	3.056
	PL_TpinN	-.011 ^b	-.117	.907	-.013	.998	1.002
	PL_TSpinN	-.097 ^b	-1.074	.286	-.114	.998	1.002
	S_con	.040 ^b	.421	.674	.045	.932	1.073
	R_con	.038 ^b	.397	.692	.042	.914	1.094
	SMSP_d	-.053 ^b	-.570	.570	-.061	.932	1.073
2	Nodes	.051 ^c	.433	.666	.046	.547	1.828
	Edges_d	.044 ^c	.368	.713	.039	.525	1.904

Den_d	.212 ^c	1.522	.132	.161	.379	2.637
CC_d	.037 ^c	.387	.700	.041	.831	1.203
GD_d	-.072 ^c	-.620	.537	-.066	.553	1.807
TSpaths_d	-.341 ^c	-.568	.572	-.061	.021	47.873
AvgPL_d	.132 ^c	.740	.461	.079	.236	4.233
AvgGL_d	.148 ^c	.938	.351	.100	.302	3.314
PL_TpinN	-.013 ^c	-.145	.885	-.016	.998	1.002
PL_TSpinN	-.082 ^c	-.949	.345	-.101	.994	1.006
S_con	.040 ^c	.444	.658	.048	.932	1.073
R_con	.041 ^c	.450	.654	.048	.914	1.095
SMSP_d	.037 ^c	.387	.700	.041	.831	1.203

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	Nodes	.585
	Edges_d	.562
	Reciprocity	.938
	Den_d	.429
	CC_d	.932
	GD_d	.560
	TSpaths_d	.024

	AvgPL_d	.278
	AvgGL_d	.327
	PL_TpinN	.998
	PL_TSpinN	.998
	S_con	.932
	R_con	.914
	SMSP_d	.932
2	Nodes	.513
	Edges_d	.493
	Den_d	.356
	CC_d	.831
	GD_d	.553
	TSpaths_d	.020
	AvgPL_d	.236
	AvgGL_d	.302
	PL_TpinN	.936
	PL_TSpinN	.935
	S_con	.878
	R_con	.863
	SMSP_d	.831

a. Dependent Variable: ECin

b. Predictors in the Model: (Constant), Tpaths_d

c. Predictors in the Model: (Constant), Tpaths_d, Reciprocity

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	Tpaths_d	Reciprocity
1	1	1.972	1.000	.01	.01	
	2	.028	8.369	.99	.99	
2	1	2.217	1.000	.01	.01	.06
	2	.756	1.712	.01	.00	.89
	3	.027	9.070	.98	.99	.04

a. Dependent Variable: ECin

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	- .00250430894 0843	.01424111519 0089	.01098901098 9011	.00278223167 3113
Std. Predicted Value	-4.850	1.169	.000	1.000
Standard Error of Predicted Value	.000	.002	.001	.000

Adjusted Predicted Value	- .00413190107 7926	.01420851517 4687	.01096307322 9720	.00287339016 7784
Residual	- .01192448940 1281	.00550998887 0472	.00000000000 0000	.00387319916 1813
Std. Residual	-3.044	1.407	.000	.989
Stud. Residual	-3.064	1.442	.003	1.004
Deleted Residual	- .01207927428 1859	.00586498249 3222	.00002593775 9291	.00400252599 0637
Stud. Deleted Residual	-3.223	1.451	-.005	1.023
Mahal. Distance	.151	23.987	1.978	4.288
Cook's Distance	.000	.207	.012	.027
Centered Leverage Value	.002	.267	.022	.048

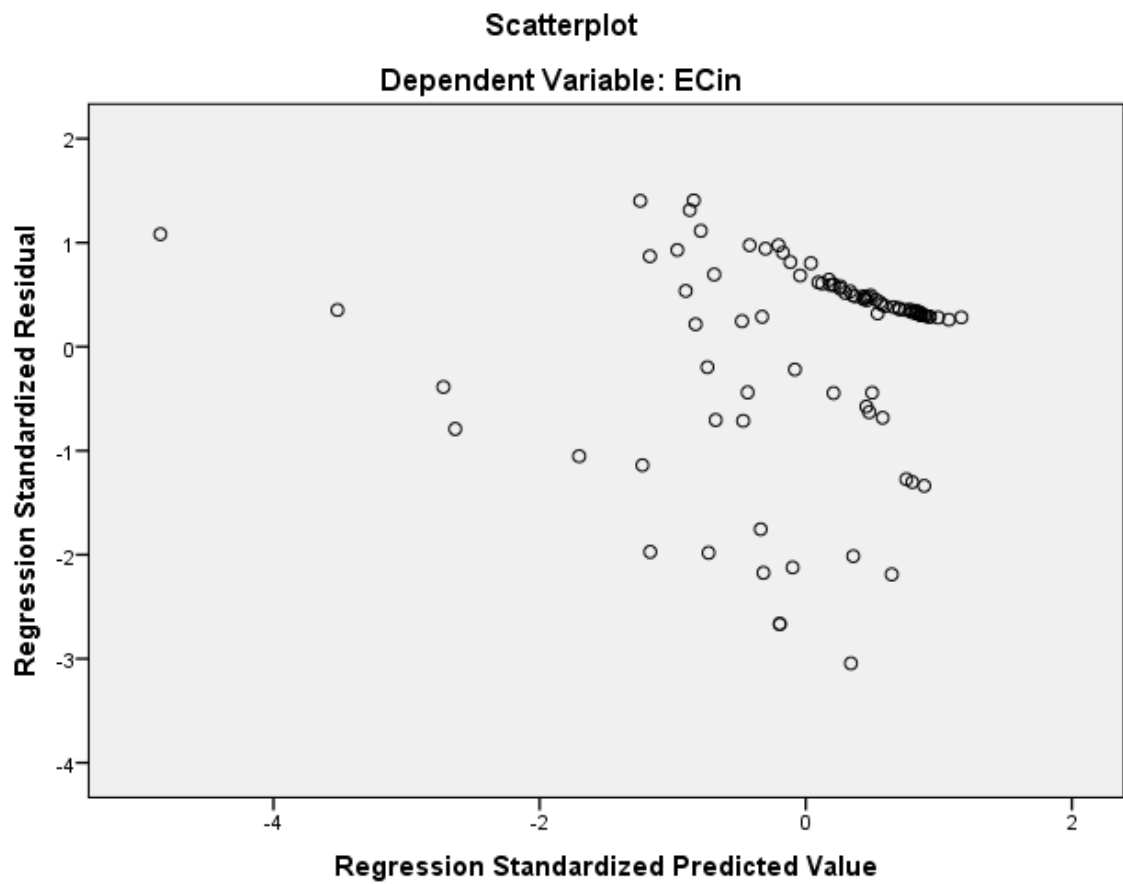
Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91

Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: ECin

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT PL_EVCinN

/METHOD=STEPWISE Nodes Edges_d Reciprocity Den_d CC_d GD_d Tpaths_d TSpats_d
AvgPL_d AvgGL_d PL_TpinN PL_TSpinN S_con R_con SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created		05-JUN-2015 14:55:07
Comments		
Input	Active Dataset	DataSet7
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT PL_EVCinN /METHOD=STEPWISE Nodes Edges_d Reciprocity Den_d CC_d GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d PL_TpinN PL_TSpinN S_con R_con SMSP_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.17
	Elapsed Time	00:00:00.22
	Memory Required	17392 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_6	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	Reciprocity		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	CC_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
3	PL_TpinN		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: PL_EVCinN

Model Summary^d

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.526 ^a	.277	.269	.01845637290 8577
2	.591 ^b	.349	.334	.01760728452 1149
3	.634 ^c	.402	.381	.01698202787 4613

a. Predictors: (Constant), Reciprocity

b. Predictors: (Constant), Reciprocity, CC_d

c. Predictors: (Constant), Reciprocity, CC_d, PL_TpinN

d. Dependent Variable: PL_EVCinN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.012	1	.012	34.074	.000 ^b
	Residual	.030	89	.000		
	Total	.042	90			
2	Regression	.015	2	.007	23.615	.000 ^c
	Residual	.027	88	.000		
	Total	.042	90			
3	Regression	.017	3	.006	19.457	.000 ^d

Residual	.025	87	.000		
Total	.042	90			

a. Dependent Variable: PL_EVCinN

b. Predictors: (Constant), Reciprocity

c. Predictors: (Constant), Reciprocity, CC_d

d. Predictors: (Constant), Reciprocity, CC_d, PL_TpinN

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.007	.002		3.167	.002
	Reciprocity	.401	.069	.526	5.837	.000
2	(Constant)	.006	.002		3.192	.002
	Reciprocity	.484	.071	.634	6.844	.000
	CC_d	-.060	.019	-.290	-3.129	.002
3	(Constant)	-.001	.003		-.385	.701
	Reciprocity	.481	.068	.631	7.059	.000
	CC_d	-.058	.018	-.284	-3.179	.002
	PL_TpinN	.695	.252	.229	2.757	.007

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	Reciprocity	1.000	1.000
2	(Constant)		
	Reciprocity	.862	1.161
	CC_d	.862	1.161
3	(Constant)		
	Reciprocity	.861	1.161
	CC_d	.861	1.161
	PL_TpinN	.999	1.001

a. Dependent Variable: PL_EVCinN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics		
						Tolerance	VIF	Minimum Tolerance
1	Nodes	.026 ^b	.290	.772	.031	.999	1.001	.999
	Edges_d	.027 ^b	.297	.767	.032	1.000	1.000	1.000
	Den_d	-.108 ^b	-1.206	.231	-.127	.999	1.001	.999

	CC_d	-.290 ^b	-3.129	.002	-.316	.862	1.161	.862
	GD_d	.064 ^b	.685	.495	.073	.939	1.064	.939
	Tpaths_d	.041 ^b	.441	.660	.047	.938	1.066	.938
	TSpaths_d	.070 ^b	.756	.452	.080	.964	1.037	.964
	AvgPL_d	-.037 ^b	-.371	.712	-.039	.832	1.203	.832
	AvgGL_d	.012 ^b	.128	.899	.014	.871	1.148	.871
	PL_TpinN	.235 ^b	2.696	.008	.276	1.000	1.000	1.000
	PL_TSpinN	.149 ^b	1.669	.099	.175	.995	1.005	.995
	S_con	-.128 ^b	-1.430	.156	-.151	.996	1.004	.996
	R_con	-.085 ^b	-.936	.352	-.099	.993	1.007	.993
	SMSP_d	-.290 ^b	-3.129	.002	-.316	.862	1.161	.862
2	Nodes	.036 ^c	.421	.674	.045	.998	1.002	.860
	Edges_d	.040 ^c	.459	.648	.049	.997	1.003	.860
	Den_d	-.142 ^c	-1.654	.102	-.175	.986	1.015	.850
	GD_d	.076 ^c	.856	.394	.091	.938	1.067	.822
	Tpaths_d	.097 ^c	1.070	.288	.114	.905	1.105	.831
	TSpaths_d	.125 ^c	1.414	.161	.150	.930	1.075	.831
	AvgPL_d	.020 ^c	.206	.837	.022	.802	1.247	.766
	AvgGL_d	.104 ^c	1.079	.283	.115	.799	1.251	.791
	PL_TpinN	.229 ^c	2.757	.007	.283	.999	1.001	.861
	PL_TSpinN	.139 ^c	1.626	.107	.172	.994	1.006	.856
	S_con	-.084 ^c	-.960	.340	-.102	.965	1.036	.835
	R_con	-.051 ^c	-.581	.563	-.062	.976	1.024	.847

	SMSP_d	. ^c	.	.	.	.000	.	.000
3	Nodes	.067 ^d	.793	.430	.085	.982	1.019	.860
	Edges_d	.066 ^d	.789	.432	.085	.985	1.015	.859
	Den_d	-.151 ^d	-1.834	.070	-.194	.984	1.016	.849
	GD_d	-.015 ^d	-.160	.873	-.017	.805	1.243	.805
	Tpaths_d	.084 ^d	.958	.341	.103	.902	1.108	.830
	TSpaths_d	.110 ^d	1.280	.204	.137	.926	1.080	.830
	AvgPL_d	-.026 ^d	-.277	.782	-.030	.776	1.288	.764
	AvgGL_d	.037 ^d	.383	.703	.041	.740	1.351	.740
	PL_TSpinN	-.244 ^d	-1.464	.147	-.156	.245	4.081	.245
	S_con	-.087 ^d	-1.034	.304	-.111	.965	1.036	.835
	R_con	-.071 ^d	-.846	.400	-.091	.969	1.032	.846
	SMSP_d	. ^d	.	.	.	.000	.	.000

a. Dependent Variable: PL_EVCinN

b. Predictors in the Model: (Constant), Reciprocity

c. Predictors in the Model: (Constant), Reciprocity, CC_d

d. Predictors in the Model: (Constant), Reciprocity, CC_d, PL_TpinN

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	Reciprocity	CC_d

1	1	1.364	1.000	.32	.32	
	2	.636	1.464	.68	.68	
2	1	1.583	1.000	.14	.21	.15
	2	.895	1.330	.51	.00	.45
	3	.522	1.742	.34	.79	.40
3	1	2.127	1.000	.05	.07	.03
	2	1.155	1.357	.02	.14	.42
	3	.561	1.946	.01	.78	.55
	4	.157	3.686	.92	.01	.00

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions
		PL_TpinN
1	1	
	2	
2	1	
	2	
	3	
3	1	.05
	2	.03
	3	.02
	4	.90

a. Dependent Variable: PL_EVCinN

Residuals Statistics^a

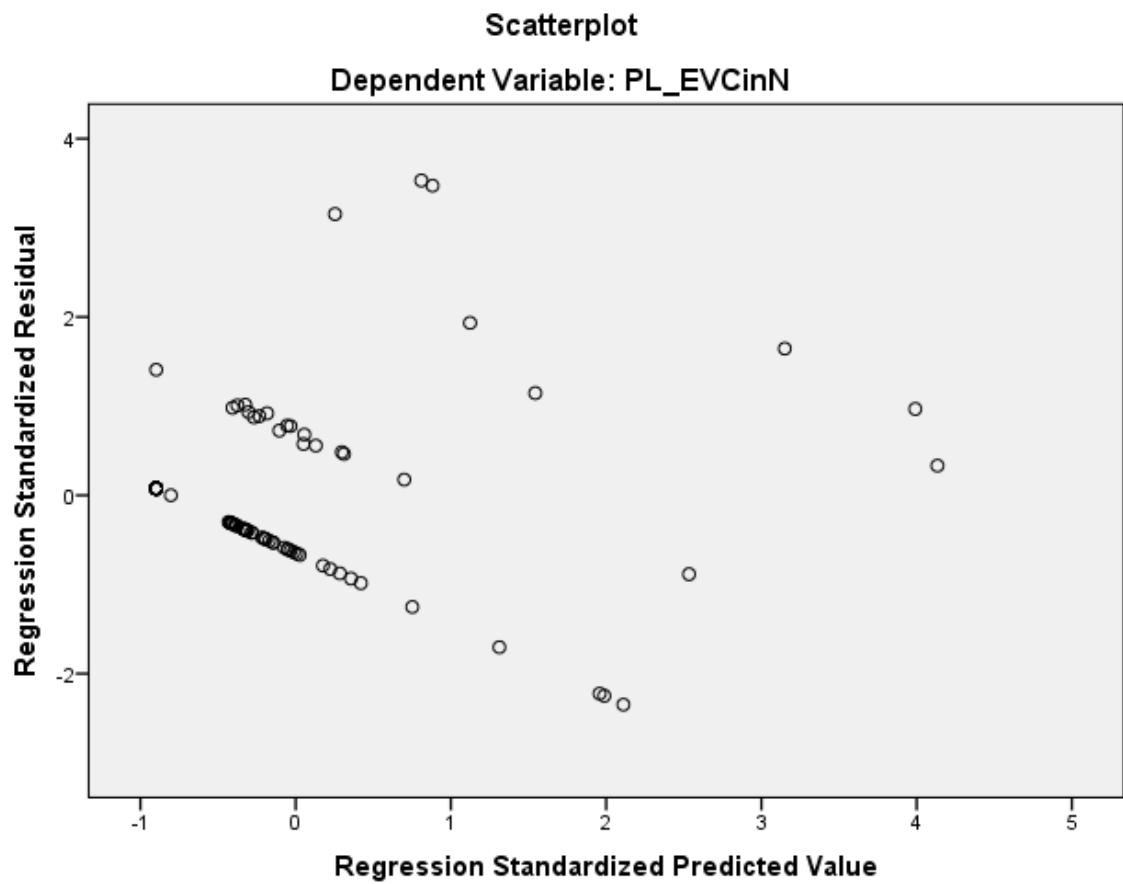
	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	- .00129561347 4213	.06752439588 3083	.01098901098 9011	.01367633757 6927
Std. Predicted Value	-.898	4.134	.000	1.000
Standard Error of Predicted Value	.002	.017	.003	.002
Adjusted Predicted Value	- .00227182265 3711	.06594017148 0179	.01107970238 4404	.01352595343 4269
Residual	- .03986156359 3149	.05995446443 5577	.00000000000 0000	.01669659531 2907
Std. Residual	-2.347	3.530	.000	.983
Stud. Residual	-2.440	3.563	.001	1.010
Deleted Residual	- .04306389763 9513	.06108119338 7508	.00003140872 6707	.01753814542 7158
Stud. Deleted Residual	-2.513	3.834	.008	1.045
Mahal. Distance	.045	89.011	2.967	9.657
Cook's Distance	.000	.126	.011	.028
Centered Leverage Value	.001	.989	.033	.107

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	90
Residual	91
Std. Residual	91
Stud. Residual	90
Deleted Residual	90
Stud. Deleted Residual	90
Mahal. Distance	91
Cook's Distance	90
Centered Leverage Value	91

a. Dependent Variable: PL_EVCinN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT EVCin_TpinN

/METHOD=STEPWISE Nodes Edges_d Reciprocity Den_d CC_d GD_d Tpaths_d TSpats_d
AvgPL_d AvgGL_d PL_TpinN PL_TSpinN S_con R_con SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created	05-JUN-2015 14:55:36	
Comments		
Input	Active Dataset	DataSet7
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT EVCin_TpinN /METHOD=STEPWISE Nodes Edges_d Reciprocity Den_d CC_d GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d PL_TpinN PL_TSpinN S_con R_con SMSP_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.17
	Elapsed Time	00:00:00.23
	Memory Required	17440 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_7	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	S_con		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	Nodes		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: EVCin_TpinN

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.257 ^a	.066	.055	.00706429961 7404
2	.336 ^b	.113	.092	.00692454244 3434

a. Predictors: (Constant), S_con

b. Predictors: (Constant), S_con, Nodes

c. Dependent Variable: EVCin_TpinN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	6.278	.014 ^b
	Residual	.004	89	.000		
	Total	.005	90			
2	Regression	.001	2	.000	5.581	.005 ^c
	Residual	.004	88	.000		
	Total	.005	90			

a. Dependent Variable: EVCin_TpinN

b. Predictors: (Constant), S_con

c. Predictors: (Constant), S_con, Nodes

Coefficients^a

Model	Unstandardized Coefficients	Standardized Coefficients	t	Sig.
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		B	Std. Error	Beta		
1	(Constant)	.012	.001		14.848	.000
	S_con	-.058	.023	-.257	-2.506	.014
2	(Constant)	.013	.001		13.615	.000
	S_con	-.061	.023	-.268	-2.669	.009
	Nodes	-.103	.048	-.216	-2.151	.034

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	S_con	1.000	1.000
2	(Constant)		
	S_con	.997	1.003
	Nodes	.997	1.003

a. Dependent Variable: EVCin_TpinN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	Nodes	-.216 ^b	-2.151	.034	-.224	.997	1.003

	Edges_d	-.209 ^b	-2.074	.041	-.216	.997	1.003
	Reciprocity	.157 ^b	1.544	.126	.162	.996	1.004
	Den_d	.215 ^b	2.120	.037	.220	.983	1.018
	CC_d	.142 ^b	1.367	.175	.144	.965	1.036
	GD_d	-.057 ^b	-.545	.587	-.058	.970	1.031
	Tpaths_d	-.127 ^b	-1.197	.235	-.127	.932	1.073
	TSpaths_d	-.176 ^b	-1.662	.100	-.174	.921	1.086
	AvgPL_d	.052 ^b	.467	.642	.050	.862	1.161
	AvgGL_d	-.030 ^b	-.251	.802	-.027	.748	1.338
	PL_TpinN	-.001 ^b	-.014	.988	-.002	1.000	1.000
	PL_TSpinN	.036 ^b	.345	.731	.037	.972	1.029
	R_con	.616 ^b	1.051	.296	.111	.030	32.790
	SMSP_d	.142 ^b	1.367	.175	.144	.965	1.036
2	Edges_d	2.451 ^c	1.317	.191	.140	.003	346.151
	Reciprocity	.152 ^c	1.519	.132	.161	.995	1.005
	Den_d	.133 ^c	1.064	.290	.113	.646	1.549
	CC_d	.150 ^c	1.473	.144	.156	.964	1.037
	GD_d	-.013 ^c	-.122	.903	-.013	.930	1.076
	Tpaths_d	.049 ^c	.342	.733	.037	.498	2.010
	TSpaths_d	-.026 ^c	-.170	.865	-.018	.436	2.295
	AvgPL_d	.135 ^c	1.189	.238	.126	.782	1.278
	AvgGL_d	.044 ^c	.363	.718	.039	.688	1.453

PL_TpinN	-.029 ^c	-.290	.773	-.031	.984	1.017
PL_TSpinN	.000 ^c	.002	.998	.000	.946	1.057
R_con	.611 ^c	1.064	.290	.113	.030	32.790
SMSP_d	.150 ^c	1.473	.144	.156	.964	1.037

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	Nodes	.997
	Edges_d	.997
	Reciprocity	.996
	Den_d	.983
	CC_d	.965
	GD_d	.970
	Tpaths_d	.932
	TSpaths_d	.921
	AvgPL_d	.862
	AvgGL_d	.748
	PL_TpinN	1.000
	PL_TSpinN	.972
	R_con	.030
	SMSP_d	.965

2	Edges_d	.003
	Reciprocity	.993
	Den_d	.646
	CC_d	.962
	GD_d	.930
	Tpaths_d	.498
	TSpaths_d	.436
	AvgPL_d	.782
	AvgGL_d	.688
	PL_TpinN	.981
	PL_TSpinN	.946
	R_con	.030
	SMSP_d	.962

a. Dependent Variable: EVCin_TpinN

b. Predictors in the Model: (Constant), S_con

c. Predictors in the Model: (Constant), S_con, Nodes

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	S_con	Nodes

1	1	1.325	1.000	.34	.34	
	2	.675	1.401	.66	.66	
2	1	1.742	1.000	.15	.09	.14
	2	.875	1.411	.01	.79	.16
	3	.383	2.133	.84	.12	.70

a. Dependent Variable: EVCin_TpinN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00094519270 3512	.01255509443 5811	.01098901098 9011	.00243867436 2554
Std. Predicted Value	-4.119	.642	.000	1.000
Standard Error of Predicted Value	.001	.005	.001	.001
Adjusted Predicted Value	.00151123793 3300	.01270481105 8939	.01099096641 9801	.00244338828 0987
Residual	- .01250457111 7461	.01274989079 6840	.00000000000 0000	.00684717082 5710
Std. Residual	-1.806	1.841	.000	.989
Stud. Residual	-1.820	2.016	.000	1.005
Deleted Residual	- .01270481105 8939	.01528358925 1339	- .00000195543 0790	.00708718332 9400

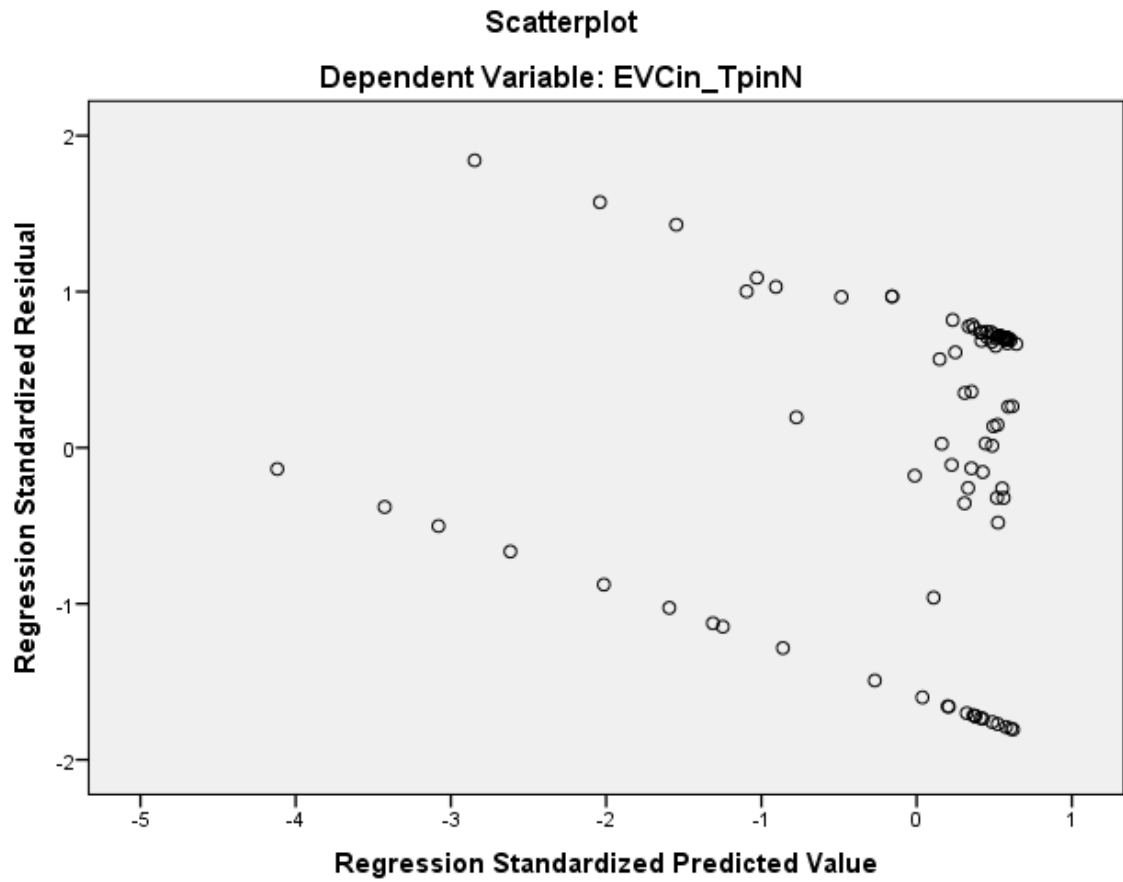
Stud. Deleted Residual	-1.845	2.052	-.004	1.012
Mahal. Distance	.067	46.378	1.978	5.933
Cook's Distance	.000	.269	.012	.034
Centered Leverage Value	.001	.515	.022	.066

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: EVCin_TpinN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT EVCin_TSpinN

/METHOD=STEPWISE Nodes Edges_d Reciprocity Den_d CC_d GD_d Tpaths_d TSpats_d
AvgPL_d AvgGL_d PL_TpinN PL_TSpinN S_con R_con SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created		05-JUN-2015 14:56:08
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	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.

Syntax	Cases Used	Statistics are based on cases with no missing values for any variable used.
		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT EVCin_TSpinN /METHOD=STEPWISE Nodes Edges_d Reciprocity Den_d CC_d GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d PL_TpinN PL_TSpinN S_con R_con SMSP_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.16
	Elapsed Time	00:00:00.22
	Memory Required	17472 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_8	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	TSpaths_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	S_con		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: EVCin_TSpinN

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.335 ^a	.112	.102	.00715021552 5354
2	.410 ^b	.168	.149	.00695840697 6966

a. Predictors: (Constant), TSpaths_d

b. Predictors: (Constant), TSpaths_d, S_con

c. Dependent Variable: EVCin_TSpinN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.001	1	.001	11.217	.001 ^b
	Residual	.005	89	.000		
	Total	.005	90			
2	Regression	.001	2	.000	8.909	.000 ^c
	Residual	.004	88	.000		
	Total	.005	90			

a. Dependent Variable: EVCin_TSpinN

b. Predictors: (Constant), TSpaths_d

c. Predictors: (Constant), TSpaths_d, S_con

Coefficients^a

Model	Unstandardized Coefficients	Standardized Coefficients	t	Sig.
-------	-----------------------------	---------------------------	---	------

		B	Std. Error	Beta		
1	(Constant)	.022	.004		6.408	.000
	TSpaths_d	-1.043	.311	-.335	-3.349	.001
2	(Constant)	.021	.003		5.942	.000
	TSpaths_d	-.826	.316	-.265	-2.615	.011
	S_con	-.058	.024	-.248	-2.444	.017

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	TSpaths_d	1.000	1.000
2	(Constant)		
	TSpaths_d	.921	1.086
	S_con	.921	1.086

a. Dependent Variable: EVCin_TSpinN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	Nodes	.016 ^b	.115	.909	.012	.537	1.861

	Edges_d	.035 ^b	.250	.803	.027	.514	1.944
	Reciprocity	.063 ^b	.621	.536	.066	.964	1.037
	Den_d	.066 ^b	.392	.696	.042	.355	2.814
	CC_d	-.078 ^b	-.757	.451	-.080	.942	1.062
	GD_d	.068 ^b	.523	.602	.056	.589	1.699
	Tpaths_d	1.364 ^b	2.170	.033	.225	.024	41.244
	AvgPL_d	.185 ^b	1.150	.253	.122	.384	2.603
	AvgGL_d	-.086 ^b	-.519	.605	-.055	.367	2.727
	PL_TpinN	.008 ^b	.083	.934	.009	.996	1.004
	PL_TSpinN	-.009 ^b	-.089	.929	-.009	.998	1.002
	S_con	-.248 ^b	-2.444	.017	-.252	.921	1.086
	R_con	-.211 ^b	-2.039	.044	-.212	.903	1.107
	SMSP_d	-.078 ^b	-.757	.451	-.080	.942	1.062
	2						
	Nodes	-.111 ^c	-.783	.436	-.084	.472	2.120
	Edges_d	-.101 ^c	-.688	.493	-.074	.445	2.249
	Reciprocity	.067 ^c	.673	.503	.072	.964	1.038
	Den_d	.135 ^c	.815	.417	.087	.346	2.891
	CC_d	-.048 ^c	-.472	.638	-.051	.927	1.079
	GD_d	.066 ^c	.515	.608	.055	.589	1.699
	Tpaths_d	1.206 ^c	1.950	.054	.205	.024	41.781
	AvgPL_d	.302 ^c	1.888	.062	.198	.359	2.783
	AvgGL_d	.133 ^c	.723	.471	.077	.282	3.541

PL_TpinN	.007 ^c	.067	.947	.007	.996	1.004
PL_TSpinN	.030 ^c	.304	.762	.033	.972	1.029
R_con	1.090 ^c	1.947	.055	.204	.029	34.213
SMSP_d	-.048 ^c	-.472	.638	-.051	.927	1.079

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	Nodes	.537
	Edges_d	.514
	Reciprocity	.964
	Den_d	.355
	CC_d	.942
	GD_d	.589
	Tpaths_d	.024
	AvgPL_d	.384
	AvgGL_d	.367
	PL_TpinN	.996
	PL_TSpinN	.998
	S_con	.921
	R_con	.903
	SMSP_d	.942

2	Nodes	.436
	Edges_d	.411
	Reciprocity	.891
	Den_d	.324
	CC_d	.884
	GD_d	.559
	Tpaths_d	.024
	AvgPL_d	.359
	AvgGL_d	.282
	PL_TpinN	.917
	PL_TSpinN	.897
	R_con	.029
	SMSP_d	.884

a. Dependent Variable: EVCin_TSpinN

b. Predictors in the Model: (Constant), TSpats_d

c. Predictors in the Model: (Constant), TSpats_d, S_con

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	TSpats_d	S_con

1	1	1.977	1.000	.01	.01	
	2	.023	9.240	.99	.99	
2	1	2.183	1.000	.01	.01	.06
	2	.795	1.657	.01	.00	.88
	3	.022	10.026	.99	.99	.06

a. Dependent Variable: EVCin_TSpinN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00084436434 5539	.01439624186 6052	.01098901098 9011	.00309614235 0731
Std. Predicted Value	-3.277	1.100	.000	1.000
Standard Error of Predicted Value	.001	.003	.001	.001
Adjusted Predicted Value	.00001516749 3984	.01449620537 4599	.01095518084 0438	.00320655612 3694
Residual	- .01409191731 3635	.01351604517 5493	.00000000000 0000	.00688065697 2690
Std. Residual	-2.025	1.942	.000	.989
Stud. Residual	-2.054	2.129	.002	1.007
Deleted Residual	- .01449620537 4599	.01624192111 1941	.00003383014 8573	.00714994962 0563

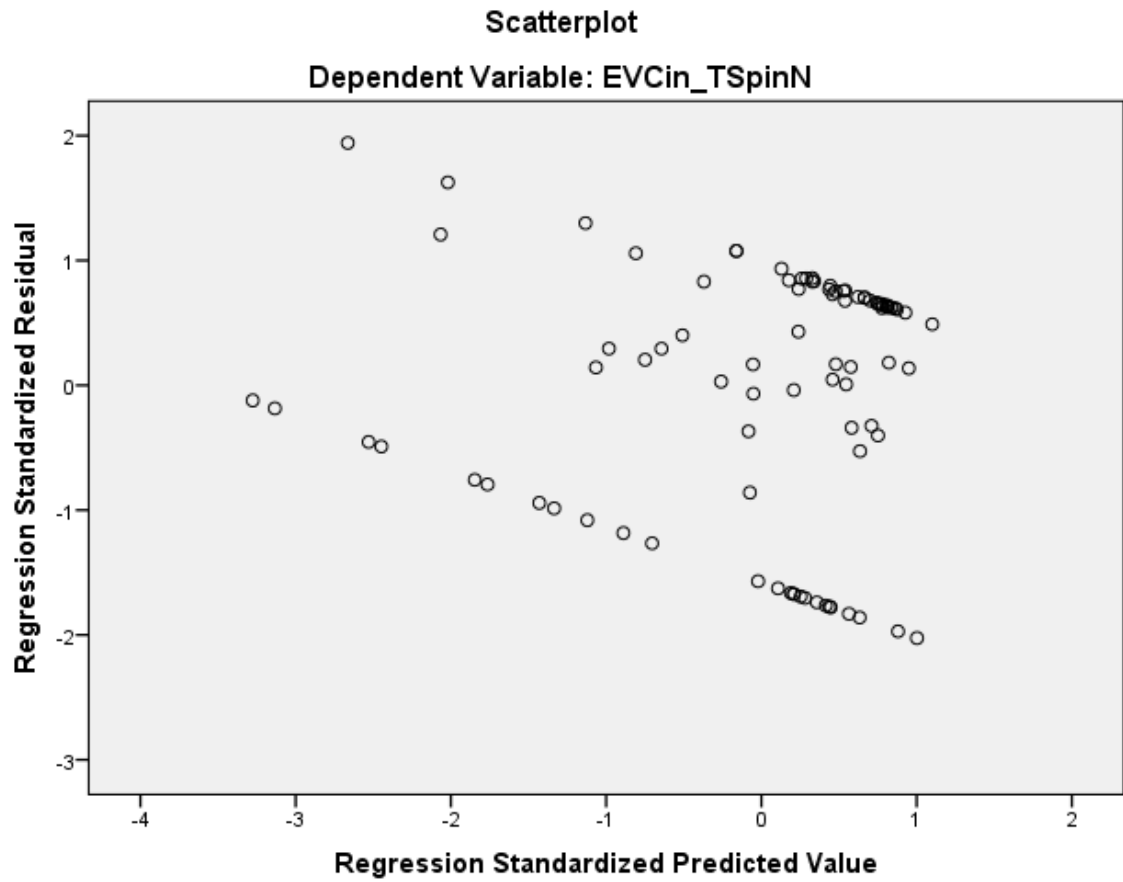
Stud. Deleted Residual	-2.093	2.174	-.001	1.015
Mahal. Distance	.062	21.430	1.978	3.856
Cook's Distance	.000	.305	.014	.040
Centered Leverage Value	.001	.238	.022	.043

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: EVCin_TSpinN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT ECin

/METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.

Syntax	Cases Used	Statistics are based on cases with no missing values for any variable used.	
		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT ECin /METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.	
Resources	Processor Time		00:00:00.16
	Elapsed Time		00:00:00.16
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Variables Created or Modified	COO_1	Cook's Distance	

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	Tpaths_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: ECin

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.525 ^a	.276	.268	.00408084551 3159

a. Predictors: (Constant), Tpaths_d

b. Dependent Variable: ECin

ANOVA^a

Model	Sum of Squares	df	Mean Square	F	Sig.
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1	Regression	.001	1	.001	33.908	.000 ^b
	Residual	.001	89	.000		
	Total	.002	90			

a. Dependent Variable: ECin

b. Predictors: (Constant), Tpaths_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.021	.002		11.711	.000
	Tpaths_d	-.935	.161	-.525	-5.823	.000

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	Tpaths_d	1.000	1.000

a. Dependent Variable: ECin

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	GD_d	-.109 ^b	-.906	.367	-.096	.560	1.784
	TSpaths_d	.313 ^b	.538	.592	.057	.024	41.244
	AvgPL_d	-.075 ^b	-.437	.663	-.047	.278	3.593
	AvgGL_d	.012 ^b	.078	.938	.008	.327	3.056

Excluded Variables^a

Model		Collinearity Statistics	
		Minimum Tolerance	
1	GD_d	.560	
	TSpaths_d	.024	
	AvgPL_d	.278	
	AvgGL_d	.327	

a. Dependent Variable: ECin

b. Predictors in the Model: (Constant), Tpaths_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition	Variance Proportions
-------	-----------	------------	-----------	----------------------

		Index	(Constant)	Tpaths_d
1	1	1.972	1.000	.01
	2	.028	8.369	.99

a. Dependent Variable: ECin

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	- .00069223775 0627	.01414852775 6333	.01098901098 9011	.00250483959 4759
Std. Predicted Value	-4.663	1.261	.000	1.000
Standard Error of Predicted Value	.000	.002	.001	.000
Adjusted Predicted Value	- .00151207053 5682	.01411327160 8949	.01098226191 5269	.00253576855 4763
Residual	- .01150385476 6488	.00653629237 7859	.00000000000 0000	.00405811082 0871
Std. Residual	-2.819	1.602	.000	.994
Stud. Residual	-2.835	1.641	.001	1.004
Deleted Residual	- .01163737848 4011	.00685844430 6999	.00000674907 3742	.00413775198 0026
Stud. Deleted Residual	-2.956	1.657	-.005	1.018

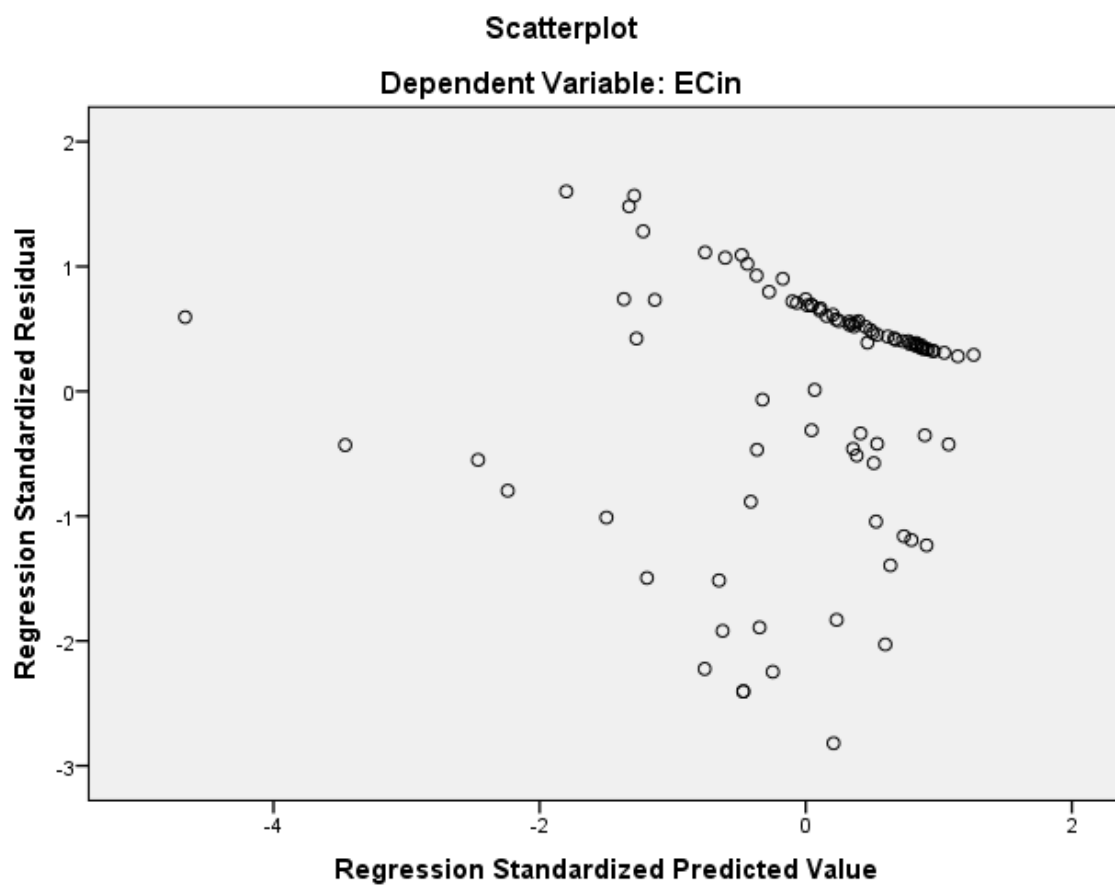
Mahal. Distance	.000	21.748	.989	2.673
Cook's Distance	.000	.080	.010	.015
Centered Leverage Value	.000	.242	.011	.030

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: ECin

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT PL_EVCinN

/METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

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	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION
		/MISSING LISTWISE
		/STATISTICS COEFF OUTS R
		ANOVA COLLIN TOL
		/CRITERIA=PIN(.05) POUT(.10)
		/NOORIGIN
		/DEPENDENT PL_EVCinN
		/METHOD=STEPWISE GD_d
		Tpaths_d TSpaths_d AvgPL_d
		AvgGL_d
		/SCATTERPLOT=(*ZRESID
		,*ZPRED)
		/SAVE COOK.
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	Required for Residual	0 bytes
Variables Created or Modified	Plots	
	COO_2	Cook's Distance

Warnings

No variables were entered into the equation.

REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT EVCin_TpinN

/METHOD=STEPWISE GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created	05-JUN-2015 14:49:25	
Comments		
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	Weight	<none>

	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT EVCin_TpinN /METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.20
	Elapsed Time	00:00:00.19
	Memory Required	6000 bytes
	Additional Memory Required for Residual Plots	0 bytes

Variables Created or Modified	COO_3	Cook's Distance
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Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	TSpaths_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	Tpaths_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: EVCin_TpinN

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.234 ^a	.055	.044	.00710616218 8375
2	.378 ^b	.143	.123	.00680610126 6001

a. Predictors: (Constant), TSpaths_d

b. Predictors: (Constant), TSpaths_d, Tpaths_d

c. Dependent Variable: EVCin_TpinN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	5.159	.026 ^b
	Residual	.004	89	.000		
	Total	.005	90			
2	Regression	.001	2	.000	7.322	.001 ^c
	Residual	.004	88	.000		
	Total	.005	90			

a. Dependent Variable: EVCin_TpinN

b. Predictors: (Constant), TSpaths_d

c. Predictors: (Constant), TSpaths_d, Tpaths_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.019	.003		5.375	.000
	TSpaths_d	-.703	.310	-.234	-2.271	.026
2	(Constant)	.024	.004		6.365	.000
	TSpaths_d	-6.352	1.904	-2.115	-3.336	.001
	Tpaths_d	5.166	1.720	1.904	3.003	.003

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	TSpaths_d	1.000	1.000
2	(Constant)		
	TSpaths_d	.024	41.244
	Tpaths_d	.024	41.244

a. Dependent Variable: EVCin_TpinN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	GD_d	.085 ^b	.634	.528	.067	.589	1.699
	Tpaths_d	1.904 ^b	3.003	.003	.305	.024	41.244
	AvgPL_d	.346 ^b	2.119	.037	.220	.384	2.603
	AvgGL_d	.095 ^b	.558	.578	.059	.367	2.727
2	GD_d	-.010 ^c	-.078	.938	-.008	.553	1.809
	AvgPL_d	-.056 ^c	-.223	.824	-.024	.156	6.401
	AvgGL_d	-.094 ^c	-.536	.593	-.057	.319	3.138

Excluded Variables^a

Model		Collinearity Statistics	
		Minimum Tolerance	
1	GD_d	.589	
	Tpaths_d	.024	
	AvgPL_d	.384	
	AvgGL_d	.367	
2	GD_d	.023	
	AvgPL_d	.010	

AvgGL_d	.021
---------	------

- a. Dependent Variable: EVCin_TpinN
- b. Predictors in the Model: (Constant), TSpaths_d
- c. Predictors in the Model: (Constant), TSpaths_d, Tpaths_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	TSpaths_d	Tpaths_d
1	1	1.977	1.000	.01	.01	
	2	.023	9.240	.99	.99	
2	1	2.965	1.000	.00	.00	.00
	2	.034	9.322	.70	.00	.01
	3	.001	69.789	.30	1.00	.99

- a. Dependent Variable: EVCin_TpinN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00308174942 6201	.02225892059 5050	.01098901098 9011	.00274540831 9528

Std. Predicted Value	-2.880	4.105	.000	1.000
Standard Error of Predicted Value	.001	.006	.001	.001
Adjusted Predicted Value	.00347516173 4968	.05481389909 9827	.01132760999 5544	.00524128403 5320
Residual	- .01455795485 5263	.01083647646 0099	.00000000000 0000	.00673005305 4925
Std. Residual	-2.139	1.592	.000	.989
Stud. Residual	-2.184	1.721	-.013	1.023
Deleted Residual	- .03831970319 1519	.01266297884 2855	- .00033859900 6533	.00796780889 6492
Stud. Deleted Residual	-2.233	1.741	-.018	1.031
Mahal. Distance	.013	75.472	1.978	8.023
Cook's Distance	.000	8.977	.107	.940
Centered Leverage Value	.000	.839	.022	.089

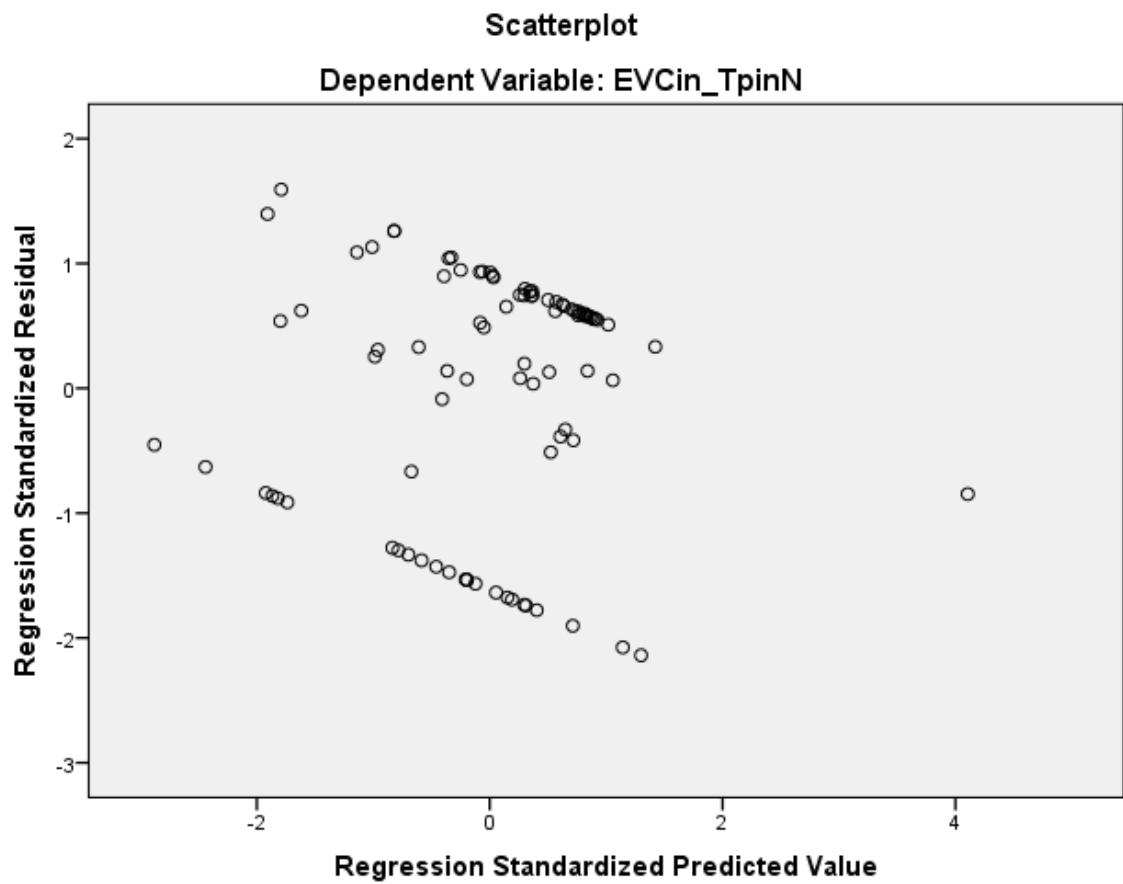
Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91

Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: EVCin_TpinN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT EVCin_TspinN

/METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

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	Split File	<none>
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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION
		/MISSING LISTWISE
		/STATISTICS COEFF OUTS R
		ANOVA COLLIN TOL
		/CRITERIA=PIN(.05) POUT(.10)
		/NOORIGIN
		/DEPENDENT EVCin_TSpinN
		/METHOD=STEPWISE GD_d
		Tpaths_d TSpaths_d AvgPL_d
		AvgGL_d
		/SCATTERPLOT=(*ZRESID
		,*ZPRED)
		/SAVE COOK.
Resources	Processor Time	00:00:00.16
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	Required for Residual	0 bytes
Variables Created or Modified	Plots	
	COO_4	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
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1	TSpaths_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	Tpaths_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: EVCin_TSpinN

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.335 ^a	.112	.102	.00715021552 5354
2	.396 ^b	.157	.138	.00700579630 8948

a. Predictors: (Constant), TSpaths_d

b. Predictors: (Constant), TSpaths_d, Tpaths_d

c. Dependent Variable: EVCin_TSpinN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.001	1	.001	11.217	.001 ^b
	Residual	.005	89	.000		
	Total	.005	90			
2	Regression	.001	2	.000	8.196	.001 ^c
	Residual	.004	88	.000		
	Total	.005	90			

a. Dependent Variable: EVCin_TSpinN

b. Predictors: (Constant), TSpaths_d

c. Predictors: (Constant), TSpaths_d, Tpaths_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.022	.004		6.408	.000

	TSpaths_d	-1.043	.311	-.335	-3.349	.001
2	(Constant)	.026	.004		6.795	.000
	TSpaths_d	-5.243	1.960	-1.682	-2.675	.009
	Tpaths_d	3.841	1.770	1.364	2.170	.033

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	TSpaths_d	1.000	1.000
2	(Constant)		
	TSpaths_d	.024	41.244
	Tpaths_d	.024	41.244

a. Dependent Variable: EVCin_TSpinN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	GD_d	.068 ^b	.523	.602	.056	.589	1.699
	Tpaths_d	1.364 ^b	2.170	.033	.225	.024	41.244
	AvgPL_d	.185 ^b	1.150	.253	.122	.384	2.603

	AvgGL_d	-.086 ^b	-.519	.605	-.055	.367	2.727
2	GD_d	.000 ^c	.001	.999	.000	.553	1.809
	AvgPL_d	-.194 ^c	-.782	.436	-.084	.156	6.401
	AvgGL_d	-.245 ^c	-1.420	.159	-.151	.319	3.138

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	GD_d	.589
	Tpaths_d	.024
	AvgPL_d	.384
	AvgGL_d	.367
2	GD_d	.023
	AvgPL_d	.010
	AvgGL_d	.021

a. Dependent Variable: EVCin_TSpinN

b. Predictors in the Model: (Constant), TSpats_d

c. Predictors in the Model: (Constant), TSpats_d, Tpaths_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition	Variance Proportions
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			Index	(Constant)	TSpaths_d	Tpaths_d
1	1	1.977	1.000	.01	.01	
	2	.023	9.240	.99	.99	
2	1	2.965	1.000	.00	.00	.00
	2	.034	9.322	.70	.00	.01
	3	.001	69.789	.30	1.00	.99

a. Dependent Variable: EVCin_TSpinN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00192208809 3124	.01564107835 2928	.01098901098 9011	.00298982421 5729
Std. Predicted Value	-3.033	1.556	.000	1.000
Standard Error of Predicted Value	.001	.006	.001	.001
Adjusted Predicted Value	.00080867216 4567	.02632920071 4827	.01109993522 2171	.00341768316 3967
Residual	- .01496423594 6536	.01304083410 6505	.00000000000 0000	.00692751679 8309
Std. Residual	-2.136	1.861	.000	.989
Stud. Residual	-2.170	2.012	-.004	1.005

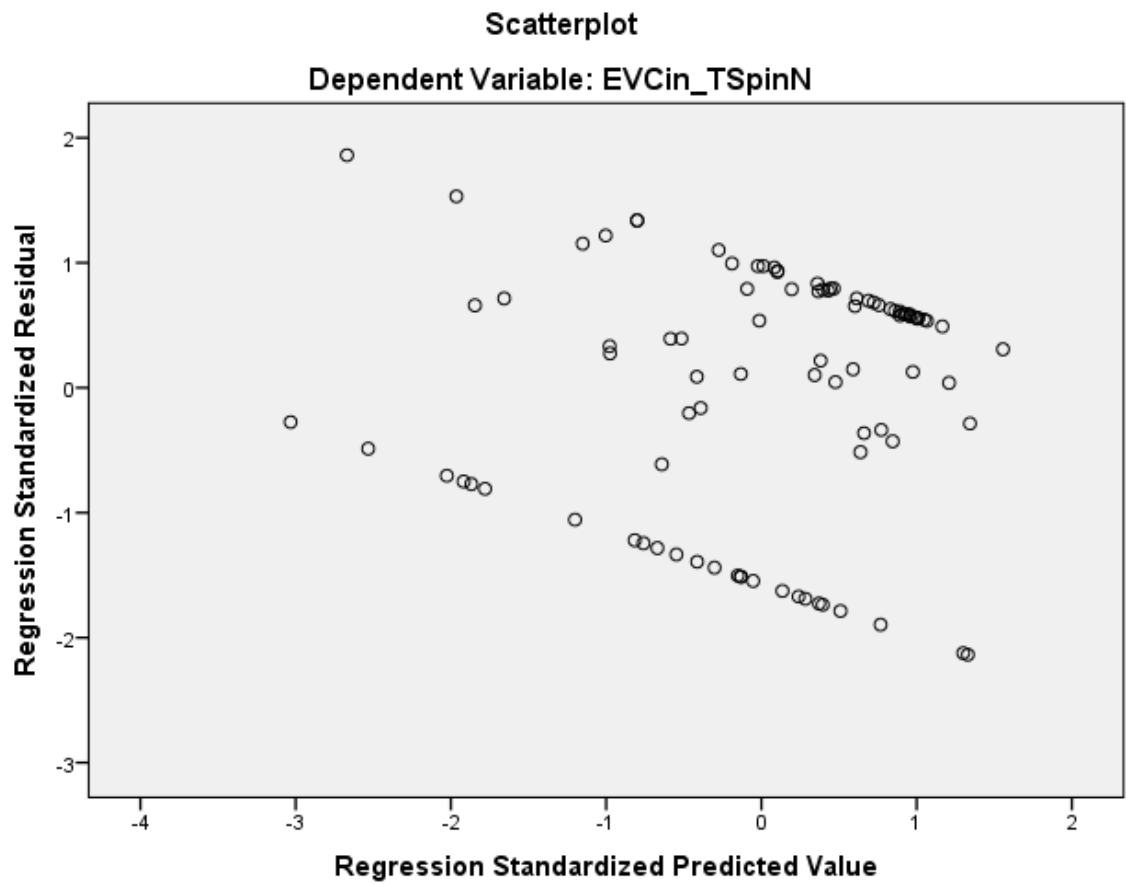
Deleted Residual	- .01544039137 6615	.01523888390 5113	- .00011092423 3160	.00725002437 7327
Stud. Deleted Residual	-2.217	2.048	-.007	1.012
Mahal. Distance	.013	75.472	1.978	8.023
Cook's Distance	.000	1.025	.020	.109
Centered Leverage Value	.000	.839	.022	.089

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: EVCin_TSpinN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

```

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT EVCin_TpinN

/METHOD=STEPWISE GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

```

Regression

Notes

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Input	Active Dataset	DataSet6
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	90

Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		<p>REGRESSION</p> <p>/MISSING LISTWISE</p> <p>/STATISTICS COEFF OUTS R ANOVA COLLIN TOL</p> <p>/CRITERIA=PIN(.05) POUT(.10)</p> <p>/NOORIGIN</p> <p>/DEPENDENT EVCin_TpinN</p> <p>/METHOD=STEPWISE GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d</p> <p>/SCATTERPLOT=(*ZRESID ,*ZPRED)</p> <p>/SAVE COOK.</p>
Resources	Processor Time	00:00:00.17
	Elapsed Time	00:00:00.20
	Memory Required	6080 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_5	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	TSpaths_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	Tpaths_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: EVCin_TpinN

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.284 ^a	.081	.070	.007024605670891
2	.429 ^b	.184	.165	.006657053008430

a. Predictors: (Constant), TSpaths_d

b. Predictors: (Constant), TSpaths_d, Tpaths_d

c. Dependent Variable: EVCin_TpinN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	7.737	.007 ^b
	Residual	.004	88	.000		
	Total	.005	89			
2	Regression	.001	2	.000	9.800	.000 ^c
	Residual	.004	87	.000		
	Total	.005	89			

a. Dependent Variable: EVCin_TpinN

b. Predictors: (Constant), TSpaths_d

c. Predictors: (Constant), TSpaths_d, Tpaths_d

Coefficients^a

Model	Unstandardized Coefficients	Standardized Coefficients	t	Sig.
-------	-----------------------------	---------------------------	---	------

		B	Std. Error	Beta		
1	(Constant)	.021	.004		5.710	.000
	TSpaths_d	-.915	.329	-.284	-2.781	.007
2	(Constant)	.026	.004		6.855	.000
	TSpaths_d	-14.633	4.151	-4.546	-3.526	.001
	Tpaths_d	13.297	4.012	4.274	3.314	.001

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	TSpaths_d	1.000	1.000
2	(Constant)		
	TSpaths_d	.006	177.256
	Tpaths_d	.006	177.256

a. Dependent Variable: EVCin_TpinN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	GD_d	.041 ^b	.326	.745	.035	.657	1.522

	Tpaths_d	4.274 ^b	3.314	.001	.335	.006	177.256
	AvgPL_d	.208 ^b	1.302	.196	.138	.407	2.460
	AvgGL_d	.024 ^b	.150	.881	.016	.423	2.365
2	GD_d	-.037 ^c	-.304	.762	-.033	.632	1.582
	AvgPL_d	-.191 ^c	-.968	.336	-.104	.241	4.147
	AvgGL_d	-.173 ^c	-1.088	.280	-.117	.370	2.705

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	GD_d	.657
	Tpaths_d	.006
	AvgPL_d	.407
	AvgGL_d	.423
2	GD_d	.005
	AvgPL_d	.003
	AvgGL_d	.005

a. Dependent Variable: EVCin_TpinN

b. Predictors in the Model: (Constant), TSpaths_d

c. Predictors in the Model: (Constant), TSpaths_d, Tpaths_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	TSpaths_d	Tpaths_d
1	1	1.979	1.000	.01	.01	
	2	.021	9.784	.99	.99	
2	1	2.971	1.000	.00	.00	.00
	2	.029	10.197	.80	.00	.00
	3	.000	157.518	.20	1.00	1.00

a. Dependent Variable: EVCin_TpinN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00156866607 7219	.01839242689 3115	.01092784223 6930	.00312405057 1956
Std. Predicted Value	-2.996	2.389	.000	1.000
Standard Error of Predicted Value	.001	.004	.001	.001
Adjusted Predicted Value	.00178983784 2807	.01927001960 5756	.01091841981 3682	.00314650060 5486
Residual	- .01623839698 7319	.01080835331 2314	.00000000000 0000	.00658182965 5684
Std. Residual	-2.439	1.624	.000	.989

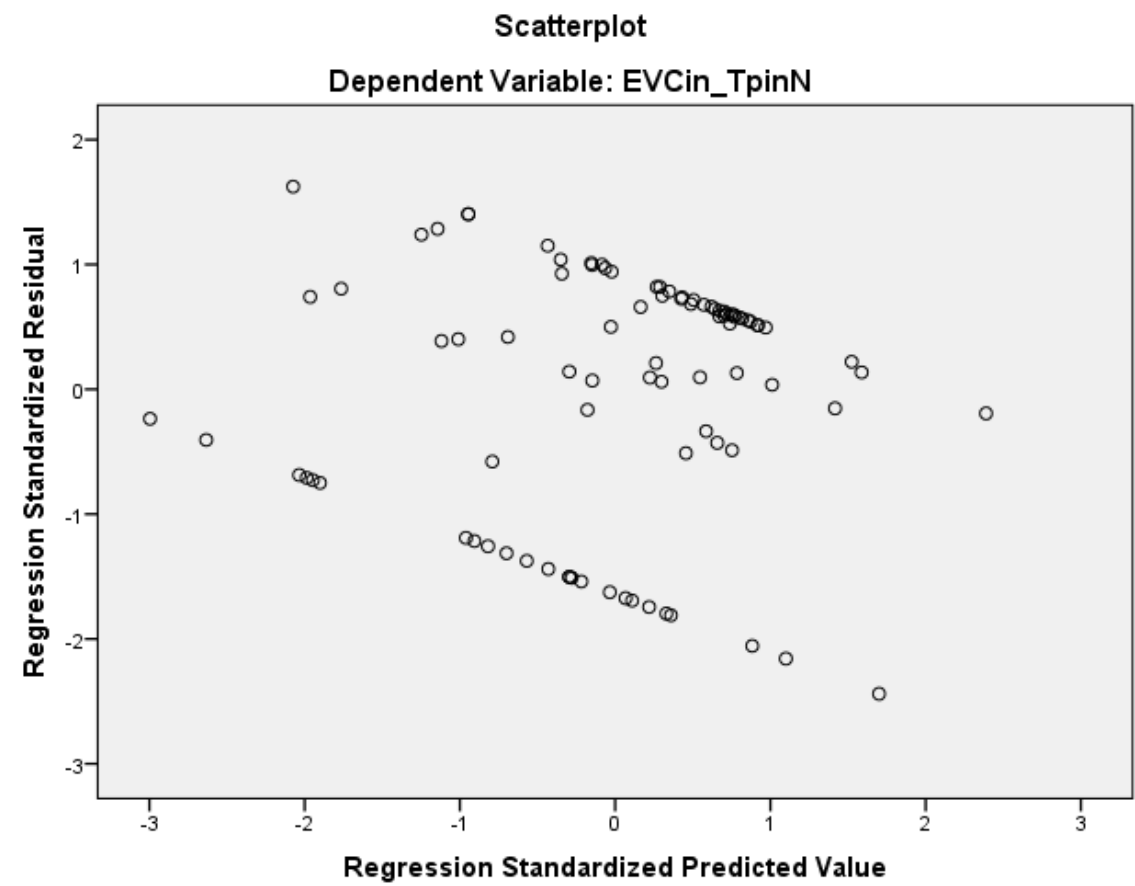
Stud. Residual	-2.494	1.676	.001	1.001
Deleted Residual	-	.01152100600	.00000942242	.00675099448
	.01697905175	3022	3247	6714
	3879			
Stud. Deleted Residual	-2.574	1.694	-.004	1.009
Mahal. Distance	.003	35.161	1.978	5.150
Cook's Distance	.000	.102	.009	.016
Centered Leverage Value	.000	.395	.022	.058

Residuals Statistics^a

	N
Predicted Value	90
Std. Predicted Value	90
Standard Error of Predicted Value	90
Adjusted Predicted Value	90
Residual	90
Std. Residual	90
Stud. Residual	90
Deleted Residual	90
Stud. Deleted Residual	90
Mahal. Distance	90
Cook's Distance	90
Centered Leverage Value	90

a. Dependent Variable: EVCin_TpinN

Charts



REGRESSION


```

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT EVCin_TSpinN

/METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

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Regression

Notes

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	Split File	<none>

	N of Rows in Working Data File	90
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	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT EVCin_TSpinN /METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.19
	Elapsed Time	00:00:00.17
	Memory Required	6112 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_6	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	TSpaths_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: EVCin_TSpinN

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.371 ^a	.138	.128	.00708302551 1296

a. Predictors: (Constant), TSpaths_d

b. Dependent Variable: EVCin_TSpinN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.001	1	.001	14.046	.000 ^b
	Residual	.004	88	.000		
	Total	.005	89			

a. Dependent Variable: EVCin_TSpinN

b. Predictors: (Constant), TSpats_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.025	.004		6.642	.000
	TSpats_d	-1.243	.332	-.371	-3.748	.000

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	TSpats_d	1.000	1.000

a. Dependent Variable: EVCin_TSpinN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	GD_d	.028 ^b	.232	.817	.025	.657	1.522
	Tpaths_d	2.059 ^b	1.576	.119	.167	.006	177.256
	AvgPL_d	.029 ^b	.184	.854	.020	.407	2.460
	AvgGL_d	-.144 ^b	-.946	.347	-.101	.423	2.365

Excluded Variables^a

Model		Collinearity Statistics	
		Minimum Tolerance	
1	GD_d	.657	
	Tpaths_d	.006	
	AvgPL_d	.407	
	AvgGL_d	.423	

a. Dependent Variable: EVCin_TSpinN

b. Predictors in the Model: (Constant), TSpats_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions	
				(Constant)	TSpats_d
1	1	1.979	1.000	.01	.01
	2	.021	9.784	.99	.99

a. Dependent Variable: EVCin_TSpinN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00051369215 3618	.01503118127 5845	.01096666456 2125	.00281383937 1833
Std. Predicted Value	-3.715	1.444	.000	1.000
Standard Error of Predicted Value	.001	.003	.001	.000
Adjusted Predicted Value	- .00258193234 9131	.01500286068 7673	.01094191629 3225	.00292655024 0993
Residual	- .01456109061 8372	.01553386449 8138	.00000000000 0000	.00704312082 4681
Std. Residual	-2.056	2.193	.000	.994
Stud. Residual	-2.087	2.402	.002	1.008

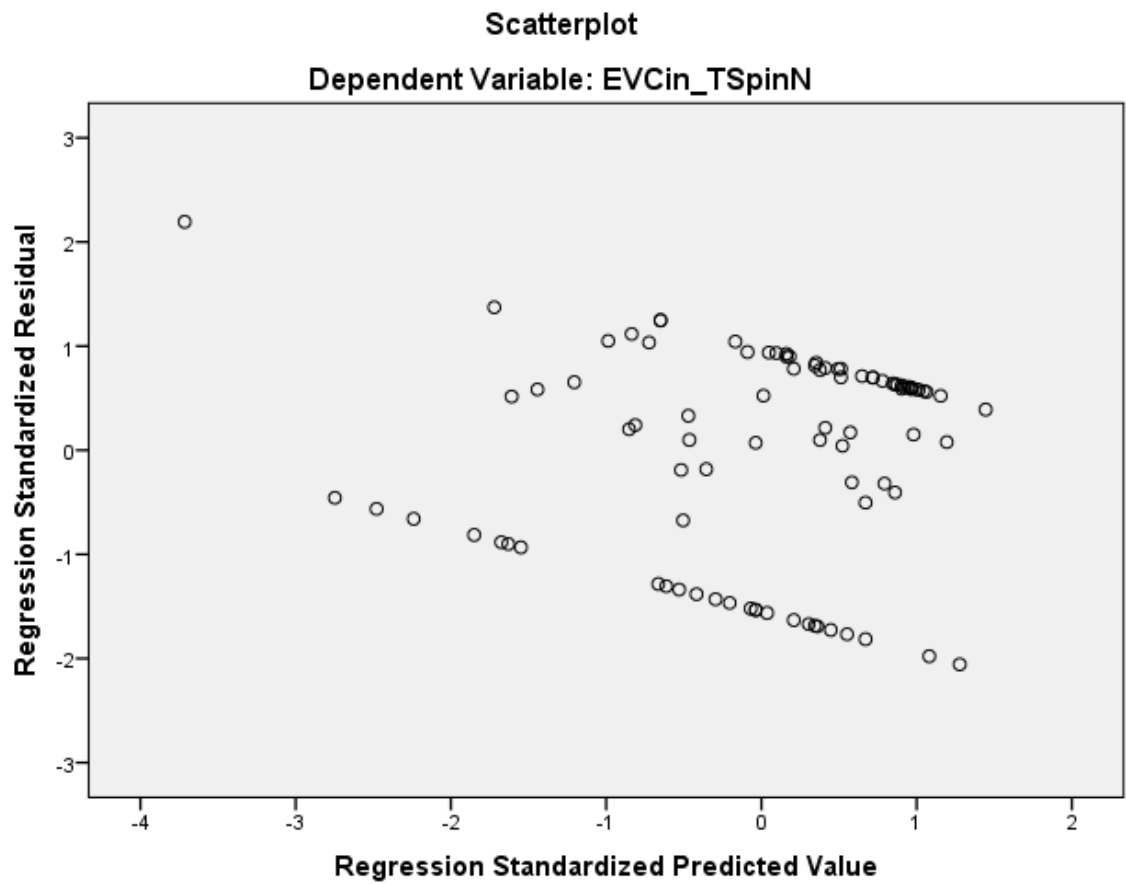
Deleted Residual	- .01500286068 7673	.01862948946 6548	.00002474826 8901	.00724943349 1272
Stud. Deleted Residual	-2.128	2.470	-.001	1.016
Mahal. Distance	.000	13.800	.989	1.861
Cook's Distance	.000	.575	.015	.061
Centered Leverage Value	.000	.155	.011	.021

Residuals Statistics^a

	N
Predicted Value	90
Std. Predicted Value	90
Standard Error of Predicted Value	90
Adjusted Predicted Value	90
Residual	90
Std. Residual	90
Stud. Residual	90
Deleted Residual	90
Stud. Deleted Residual	90
Mahal. Distance	90
Cook's Distance	90
Centered Leverage Value	90

a. Dependent Variable: EVCin_TSpinN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL


```

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT PL_TpinN

/METHOD=STEPWISE GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

```

Regression

Notes

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	N of Rows in Working Data File	91

Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION
		/MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT PL_TpinN /METHOD=STEPWISE GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.17
	Elapsed Time	00:00:00.17
	Memory Required	6112 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_6	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	GD_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	Tpaths_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: PL_TpinN

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.365 ^a	.133	.123	.00664870426 8532
2	.446 ^b	.199	.181	.00642594058 7103

a. Predictors: (Constant), GD_d

b. Predictors: (Constant), GD_d, Tpaths_d

c. Dependent Variable: PL_TpinN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.001	1	.001	13.656	.000 ^b
	Residual	.004	89	.000		
	Total	.005	90			
2	Regression	.001	2	.000	10.948	.000 ^c
	Residual	.004	88	.000		
	Total	.005	90			

a. Dependent Variable: PL_TpinN

b. Predictors: (Constant), GD_d

c. Predictors: (Constant), GD_d, Tpaths_d

Coefficients^a

Model	Unstandardized Coefficients	Standardized Coefficients	t	Sig.
-------	-----------------------------	---------------------------	---	------

		B	Std. Error	Beta		
1	(Constant)	.006	.002		3.408	.001
	GD_d	.495	.134	.365	3.695	.000
2	(Constant)	.012	.003		4.175	.000
	GD_d	.804	.173	.593	4.651	.000
	Tpaths_d	-.911	.338	-.344	-2.698	.008

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	GD_d	1.000	1.000
2	(Constant)		
	GD_d	.560	1.784
	Tpaths_d	.560	1.784

a. Dependent Variable: PL_TpinN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	Tpaths_d	-.344 ^b	-2.698	.008	-.276	.560	1.784

	TSpaths_d	-.293 ^b	-2.335	.022	-.242	.589	1.699
	AvgPL_d	-.276 ^b	-1.858	.066	-.194	.430	2.327
	AvgGL_d	-.100 ^b	-.648	.519	-.069	.414	2.414
2	TSpaths_d	.870 ^c	1.418	.160	.150	.024	41.808
	AvgPL_d	.006 ^c	.030	.976	.003	.213	4.704
	AvgGL_d	.276 ^c	1.427	.157	.151	.240	4.173

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	Tpaths_d	.560
	TSpaths_d	.589
	AvgPL_d	.430
	AvgGL_d	.414
2	TSpaths_d	.023
	AvgPL_d	.213
	AvgGL_d	.240

a. Dependent Variable: PL_TpinN

b. Predictors in the Model: (Constant), GD_d

c. Predictors in the Model: (Constant), GD_d, Tpaths_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	GD_d	Tpaths_d
1	1	1.904	1.000	.05	.05	
	2	.096	4.448	.95	.95	
2	1	2.881	1.000	.01	.01	.00
	2	.099	5.388	.20	.62	.01
	3	.020	12.022	.79	.36	.99

a. Dependent Variable: PL_TpinN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00243434915 3191	.02405212819 5763	.01098901098 9011	.00316957370 7824
Std. Predicted Value	-2.699	4.121	.000	1.000
Standard Error of Predicted Value	.001	.003	.001	.000
Adjusted Predicted Value	.00283520971 4249	.02551652677 3572	.01103434350 4318	.00325579154 2211
Residual	- .01432396471 5004	.01679484359 9200	.00000000000 0000	.00635414011 4699
Std. Residual	-2.229	2.614	.000	.989

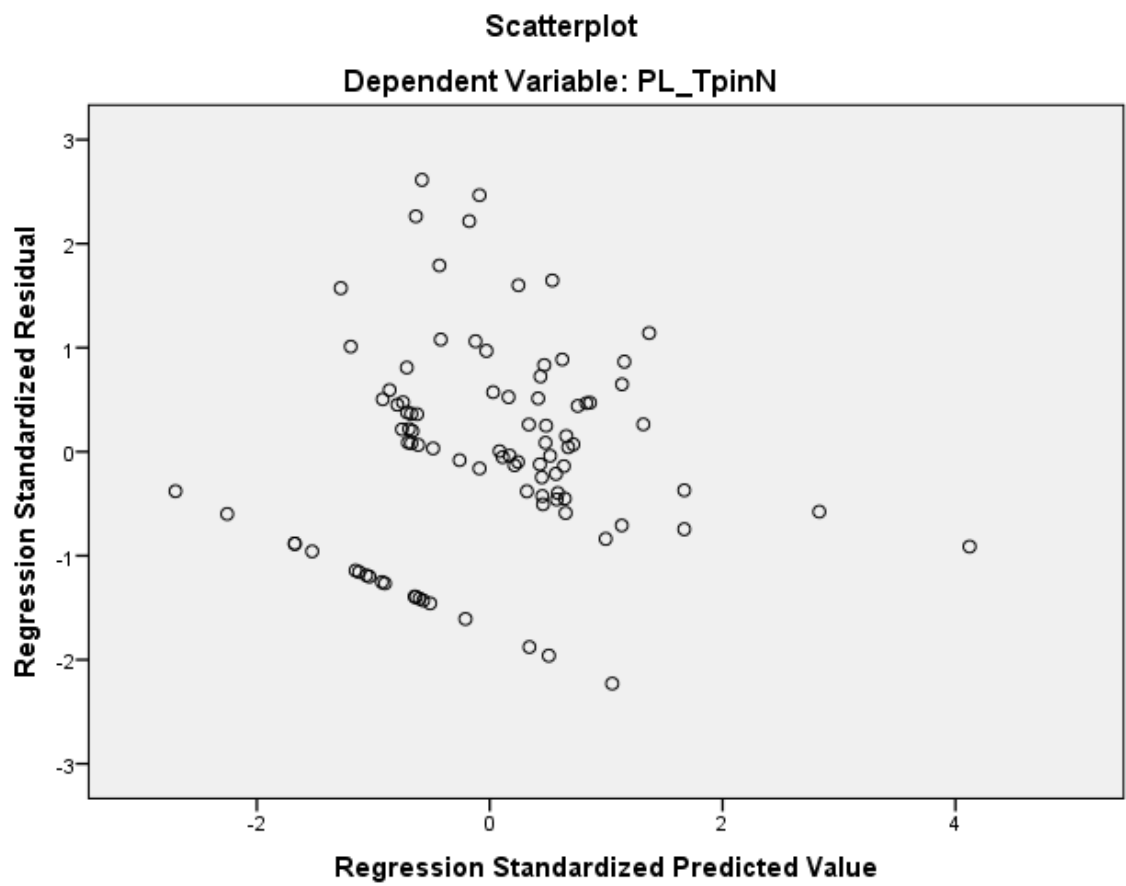
Stud. Residual	-2.261	2.645	-.003	1.005
Deleted Residual	-	-	-	-
	.01473587658	.01720021851	.00004533251	.00656355436
	2563	3608	5307	7205
Stud. Deleted Residual	-2.316	2.741	-.002	1.018
Mahal. Distance	.015	21.984	1.978	3.390
Cook's Distance	.000	.159	.011	.023
Centered Leverage Value	.000	.244	.022	.038

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: PL_TpinN

Charts



REGRESSION

```

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT PL_TSpinN

/METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

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Regression

Notes

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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT PL_TSpinN /METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.19
	Elapsed Time	00:00:00.19
	Memory Required	6160 bytes
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Variables Created or Modified	COO_7	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	GD_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	Tpaths_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
3	AvgGL_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: PL_TSpinN

Model Summary^d

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.382 ^a	.146	.137	.00679195216 9041
2	.471 ^b	.222	.205	.00651898097 4144
3	.512 ^c	.263	.237	.00638409418 0394

a. Predictors: (Constant), GD_d

b. Predictors: (Constant), GD_d, Tpaths_d

c. Predictors: (Constant), GD_d, Tpaths_d, AvgGL_d

d. Dependent Variable: PL_TSpinN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.001	1	.001	15.239	.000 ^b
	Residual	.004	89	.000		
	Total	.005	90			
2	Regression	.001	2	.001	12.576	.000 ^c
	Residual	.004	88	.000		

	Total	.005	90			
3	Regression	.001	3	.000	10.328	.000 ^d
	Residual	.004	87	.000		
	Total	.005	90			

a. Dependent Variable: PL_TSpinN

b. Predictors: (Constant), GD_d

c. Predictors: (Constant), GD_d, Tpaths_d

d. Predictors: (Constant), GD_d, Tpaths_d, AvgGL_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.005	.002		3.077	.003
	GD_d	.534	.137	.382	3.904	.000
2	(Constant)	.012	.003		4.201	.000
	GD_d	.875	.175	.627	4.990	.000
	Tpaths_d	-1.005	.343	-.368	-2.934	.004
3	(Constant)	.011	.003		3.688	.000
	GD_d	.649	.201	.464	3.232	.002
	Tpaths_d	-1.630	.441	-.597	-3.695	.000

AvgGL_d	.984	.451	.410	2.181	.032
---------	------	------	------	-------	------

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	GD_d	1.000	1.000
2	(Constant)		
	GD_d	.560	1.784
	Tpaths_d	.560	1.784
3	(Constant)		
	GD_d	.410	2.437
	Tpaths_d	.324	3.084
	AvgGL_d	.240	4.173

a. Dependent Variable: PL_TSpinN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	Tpaths_d	-.368 ^b	-2.934	.004	-.299	.560	1.784
	TSpaths_d	-.337 ^b	-2.738	.007	-.280	.589	1.699

	AvgPL_d	-.172 ^b	-1.150	.253	-.122	.430	2.327
	AvgGL_d	-.041 ^b	-.267	.790	-.028	.414	2.414
2	TSpaths_d	.363 ^c	.596	.553	.064	.024	41.808
	AvgPL_d	.258 ^c	1.269	.208	.135	.213	4.704
	AvgGL_d	.410 ^c	2.181	.032	.228	.240	4.173
3	TSpaths_d	.526 ^d	.876	.383	.094	.024	42.413
	AvgPL_d	-.171 ^d	-.555	.581	-.060	.090	11.073

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	Tpaths_d	.560
	TSpaths_d	.589
	AvgPL_d	.430
	AvgGL_d	.414
2	TSpaths_d	.023
	AvgPL_d	.213
	AvgGL_d	.240
3	TSpaths_d	.021
	AvgPL_d	.090

a. Dependent Variable: PL_TSpinN

b. Predictors in the Model: (Constant), GD_d

c. Predictors in the Model: (Constant), GD_d, Tpaths_d

d. Predictors in the Model: (Constant), GD_d, Tpaths_d, AvgGL_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	GD_d	Tpaths_d
1	1	1.904	1.000	.05	.05	
	2	.096	4.448	.95	.95	
2	1	2.881	1.000	.01	.01	.00
	2	.099	5.388	.20	.62	.01
	3	.020	12.022	.79	.36	.99
3	1	3.866	1.000	.00	.00	.00
	2	.099	6.241	.19	.45	.00
	3	.024	12.671	.78	.47	.19
	4	.010	19.242	.02	.07	.81

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions
		AvgGL_d
1	1	
	2	
2	1	

3	2	
	3	
	1	.00
	2	.00
	3	.16
	4	.84

a. Dependent Variable: PL_TSpinN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	- .00218232139 0137	.02631058171 3915	.01098901098 9011	.00374580337 4617
Std. Predicted Value	-3.516	4.090	.000	1.000
Standard Error of Predicted Value	.001	.003	.001	.001
Adjusted Predicted Value	- .00278222863 5624	.02842067927 1221	.01103757665 8331	.00391279463 7259
Residual	- .01393213588 7444	.01612941734 4928	.00000000000 0000	.00627679083 7734
Std. Residual	-2.182	2.527	.000	.983
Stud. Residual	-2.280	2.561	-.004	1.003

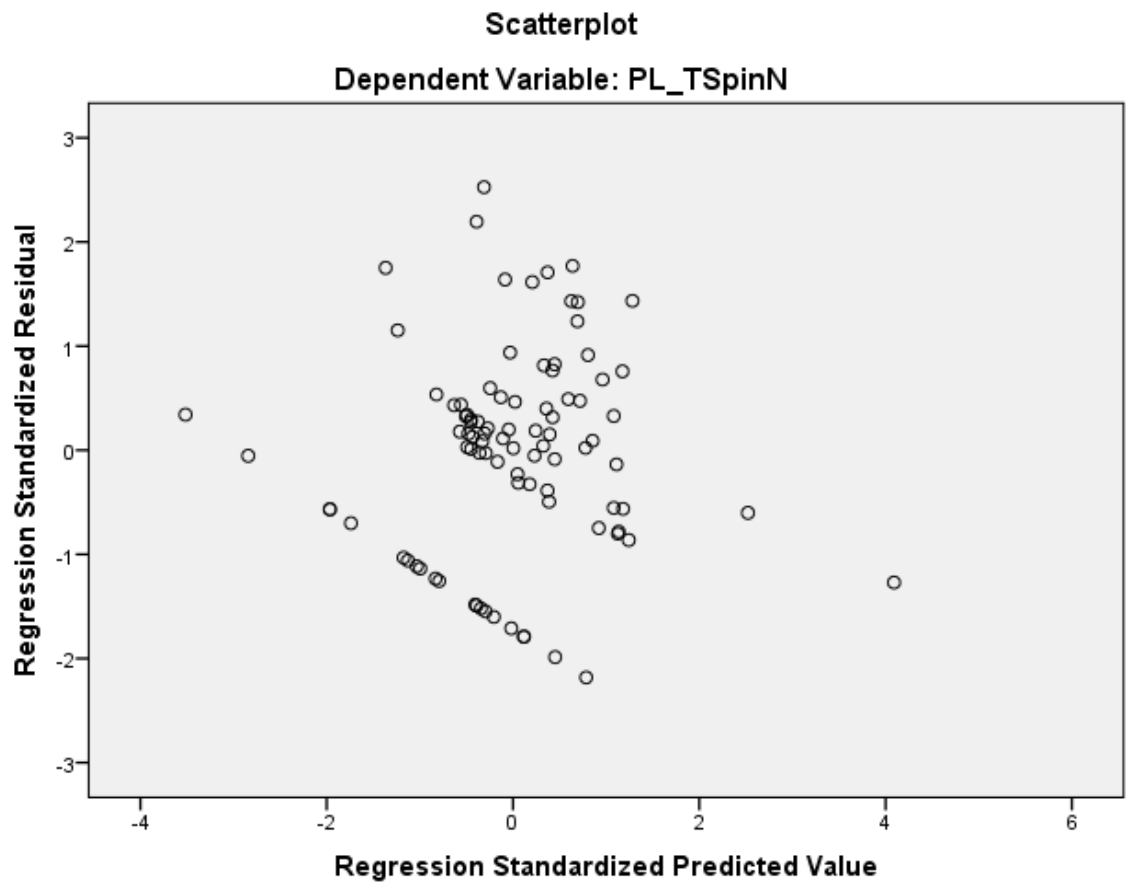
Deleted Residual	- .01521265879 2734	.01657563820 4813	- .00004856566 9320	.00654496055 2871
Stud. Deleted Residual	-2.338	2.648	-.004	1.014
Mahal. Distance	.082	21.999	2.967	4.201
Cook's Distance	.000	.132	.011	.021
Centered Leverage Value	.001	.244	.033	.047

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: PL_TSpinN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

```

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT S_con

/METHOD=STEPWISE GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

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Regression

Notes

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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT S_con /METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.19
	Elapsed Time	00:00:00.18
	Memory Required	6192 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_8	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	AvgGL_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	GD_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
3	AvgPL_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: S_con

Model Summary^d

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.502 ^a	.252	.244	.02797356624 9057
2	.600 ^b	.360	.345	.02603665341 7368
3	.655 ^c	.428	.409	.02474012580 3647

a. Predictors: (Constant), AvgGL_d

b. Predictors: (Constant), AvgGL_d, GD_d

c. Predictors: (Constant), AvgGL_d, GD_d, AvgPL_d

d. Dependent Variable: S_con

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.024	1	.024	30.061	.000 ^b
	Residual	.070	89	.001		
	Total	.093	90			
2	Regression	.034	2	.017	24.717	.000 ^c
	Residual	.060	88	.001		
	Total	.093	90			

3	Regression	.040	3	.013	21.739	.000 ^d
	Residual	.053	87	.001		
	Total	.093	90			

a. Dependent Variable: S_con

b. Predictors: (Constant), AvgGL_d

c. Predictors: (Constant), AvgGL_d, GD_d

d. Predictors: (Constant), AvgGL_d, GD_d, AvgPL_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-.047	.011		-4.289	.000
	AvgGL_d	5.306	.968	.502	5.483	.000
2	(Constant)	-.058	.011		-5.460	.000
	AvgGL_d	9.418	1.400	.892	6.729	.000
	GD_d	-3.128	.815	-.509	-3.839	.000
3	(Constant)	-.076	.012		-6.593	.000
	AvgGL_d	16.910	2.671	1.601	6.332	.000
	GD_d	-2.738	.784	-.445	-3.493	.001
	AvgPL_d	-6.258	1.934	-.803	-3.235	.002

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	AvgGL_d	1.000	1.000
2	(Constant)		
	AvgGL_d	.414	2.414
	GD_d	.414	2.414
3	(Constant)		
	AvgGL_d	.103	9.737
	GD_d	.404	2.473
	AvgPL_d	.107	9.385

a. Dependent Variable: S_con

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	GD_d	-.509 ^b	-3.839	.000	-.379	.414	2.414
	Tpaths_d	-.462 ^b	-3.010	.003	-.306	.327	3.056
	TSpaths_d	-.323 ^b	-2.180	.032	-.226	.367	2.727

	AvgPL_d	-.937 ^b	-3.597	.001	-.358	.109	9.162
2	Tpaths_d	-.411 ^c	-2.851	.005	-.292	.324	3.084
	TSpaths_d	-.280 ^c	-2.017	.047	-.211	.364	2.746
	AvgPL_d	-.803 ^c	-3.235	.002	-.328	.107	9.385
3	Tpaths_d	-.273 ^d	-1.785	.078	-.189	.275	3.639
	TSpaths_d	-.217 ^d	-1.611	.111	-.171	.355	2.816

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	GD_d	.414
	Tpaths_d	.327
	TSpaths_d	.367
	AvgPL_d	.109
2	Tpaths_d	.240
	TSpaths_d	.256
	AvgPL_d	.103
3	Tpaths_d	.090
	TSpaths_d	.096

a. Dependent Variable: S_con

b. Predictors in the Model: (Constant), AvgGL_d

c. Predictors in the Model: (Constant), AvgGL_d, GD_d

d. Predictors in the Model: (Constant), AvgGL_d, GD_d, AvgPL_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	AvgGL_d	GD_d
1	1	1.964	1.000	.02	.02	
	2	.036	7.388	.98	.98	
2	1	2.884	1.000	.01	.00	.01
	2	.096	5.471	.32	.00	.41
	3	.019	12.228	.67	1.00	.58
3	1	3.857	1.000	.00	.00	.00
	2	.099	6.229	.29	.00	.30
	3	.039	9.997	.18	.02	.68
	4	.005	28.554	.52	.98	.02

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions
		AvgPL_d
1	1	
	2	
2	1	
	2	

	3	
3	1	.00
	2	.00
	3	.14
	4	.86

a. Dependent Variable: S_con

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	- .01266367454 0818	.10278529673 8148	.01098901098 9011	.02105995954 1065
Std. Predicted Value	-1.123	4.359	.000	1.000
Standard Error of Predicted Value	.003	.021	.005	.002
Adjusted Predicted Value	- .01302222907 5432	.11331547051 6682	.01136191798 2377	.02167741846 1928
Residual	- .06252595782 2800	.11014660447 8359	.00000000000 0000	.02432429575 4539
Std. Residual	-2.527	4.452	.000	.983
Stud. Residual	-2.637	4.545	-.006	1.020

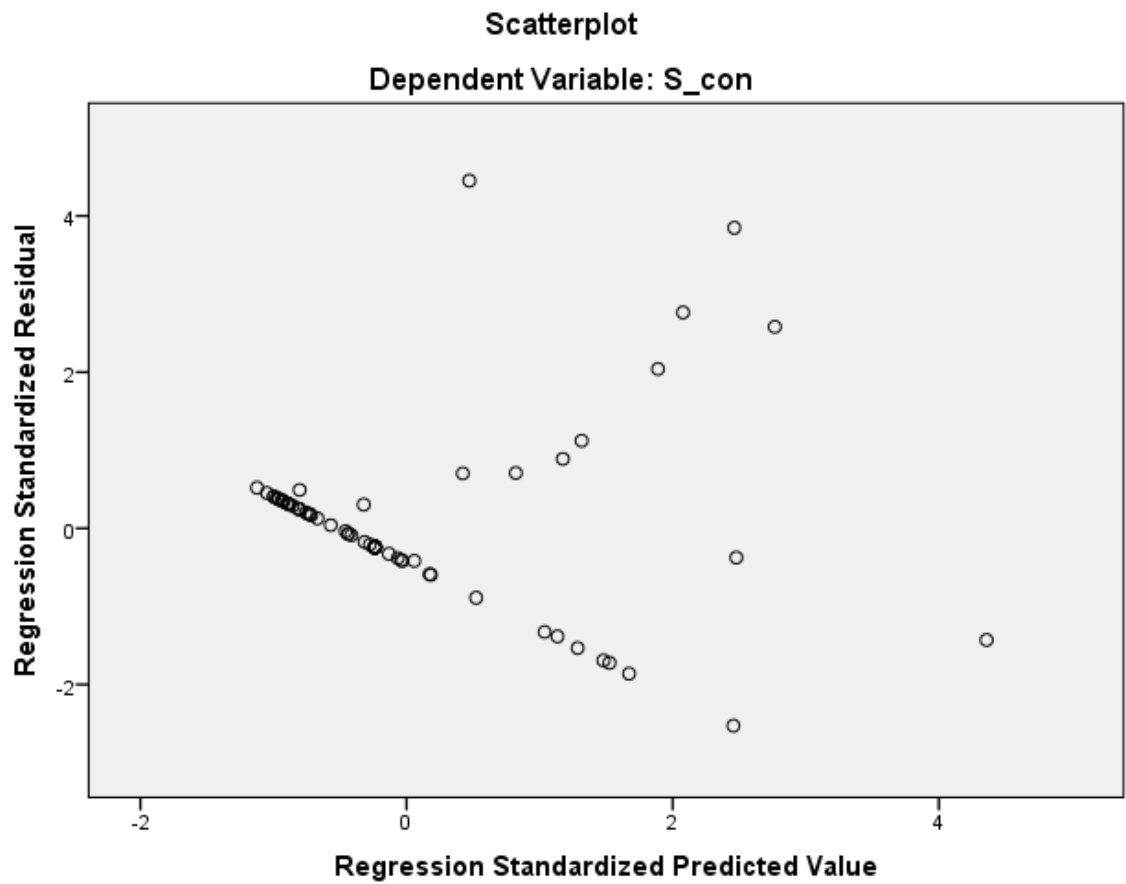
Deleted Residual	- .06807202100 7538	.11477953940 6300	- .00037290699 3366	.02635767132 2572
Stud. Deleted Residual	-2.733	5.174	.007	1.083
Mahal. Distance	.045	63.620	2.967	7.293
Cook's Distance	.000	.392	.023	.070
Centered Leverage Value	.000	.707	.033	.081

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: S_con

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

```

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT R_con

/METHOD=STEPWISE GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

```

Regression

Notes

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	Split File	<none>
	N of Rows in Working Data File	91

Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT R_con /METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.14
	Elapsed Time	00:00:00.21
	Memory Required	6240 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_9	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	AvgGL_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	AvgPL_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
3	GD_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: R_con

Model Summary^d

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.543 ^a	.295	.287	.00740598714 6184
2	.612 ^b	.374	.360	.00701532474 8753
3	.647 ^c	.419	.399	.00679989131 9385

a. Predictors: (Constant), AvgGL_d

b. Predictors: (Constant), AvgGL_d, AvgPL_d

c. Predictors: (Constant), AvgGL_d, AvgPL_d, GD_d

d. Dependent Variable: R_con

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.002	1	.002	37.197	.000 ^b
	Residual	.005	89	.000		
	Total	.007	90			
2	Regression	.003	2	.001	26.322	.000 ^c
	Residual	.004	88	.000		
	Total	.007	90			

3	Regression	.003	3	.001	20.899	.000 ^d
	Residual	.004	87	.000		
	Total	.007	90			

a. Dependent Variable: R_con

b. Predictors: (Constant), AvgGL_d

c. Predictors: (Constant), AvgGL_d, AvgPL_d

d. Predictors: (Constant), AvgGL_d, AvgPL_d, GD_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-.006	.003		-2.117	.037
	AvgGL_d	1.563	.256	.543	6.099	.000
2	(Constant)	-.012	.003		-3.639	.000
	AvgGL_d	3.882	.735	1.349	5.284	.000
	AvgPL_d	-1.813	.542	-.854	-3.345	.001
3	(Constant)	-.013	.003		-4.110	.000
	AvgGL_d	4.342	.734	1.509	5.916	.000
	AvgPL_d	-1.601	.532	-.754	-3.012	.003
	GD_d	-.556	.215	-.332	-2.582	.012

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	AvgGL_d	1.000	1.000
2	(Constant)		
	AvgGL_d	.109	9.162
	AvgPL_d	.109	9.162
3	(Constant)		
	AvgGL_d	.103	9.737
	AvgPL_d	.107	9.385
	GD_d	.404	2.473

a. Dependent Variable: R_con

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	GD_d	-.391 ^b	-2.950	.004	-.300	.414	2.414
	Tpaths_d	-.463 ^b	-3.121	.002	-.316	.327	3.056
	TSpaths_d	-.329 ^b	-2.294	.024	-.238	.367	2.727

	AvgPL_d	-.854 ^b	-3.345	.001	-.336	.109	9.162
2	GD_d	-.332 ^c	-2.582	.012	-.267	.404	2.473
	Tpaths_d	-.317 ^c	-2.007	.048	-.210	.275	3.634
	TSpaths_d	-.258 ^c	-1.855	.067	-.195	.356	2.807
3	Tpaths_d	-.302 ^d	-1.972	.052	-.208	.275	3.639
	TSpaths_d	-.239 ^d	-1.761	.082	-.187	.355	2.816

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	GD_d	.414
	Tpaths_d	.327
	TSpaths_d	.367
	AvgPL_d	.109
2	GD_d	.103
	Tpaths_d	.092
	TSpaths_d	.101
3	Tpaths_d	.090
	TSpaths_d	.096

a. Dependent Variable: R_con

b. Predictors in the Model: (Constant), AvgGL_d

c. Predictors in the Model: (Constant), AvgGL_d, AvgPL_d

d. Predictors in the Model: (Constant), AvgGL_d, AvgPL_d, GD_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	AvgGL_d	AvgPL_d
1	1	1.964	1.000	.02	.02	
	2	.036	7.388	.98	.98	
2	1	2.928	1.000	.01	.00	.00
	2	.067	6.595	.48	.00	.07
	3	.005	24.706	.51	.99	.93
3	1	3.857	1.000	.00	.00	.00
	2	.099	6.229	.29	.00	.00
	3	.039	9.997	.18	.02	.14
	4	.005	28.554	.52	.98	.86

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions
		GD_d
1	1	
	2	
2	1	
	2	

	3	
3	1	.00
	2	.30
	3	.68
	4	.02

a. Dependent Variable: R_con

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00500147463 7538	.03557596355 6767	.01098901098 9011	.00567545215 5321
Std. Predicted Value	-1.055	4.332	.000	1.000
Standard Error of Predicted Value	.001	.006	.001	.001
Adjusted Predicted Value	.00491307536 1401	.03918405249 7149	.01112059982 4482	.00597723892 7117
Residual	- .01457196008 4140	.03180201351 6426	.00000000000 0000	.00668559929 1781
Std. Residual	-2.143	4.677	.000	.983
Stud. Residual	-2.236	4.774	-.007	1.023
Deleted Residual	- .01586449518 7998	.03313965722 9185	- .00013158883 5471	.00730550359 8855

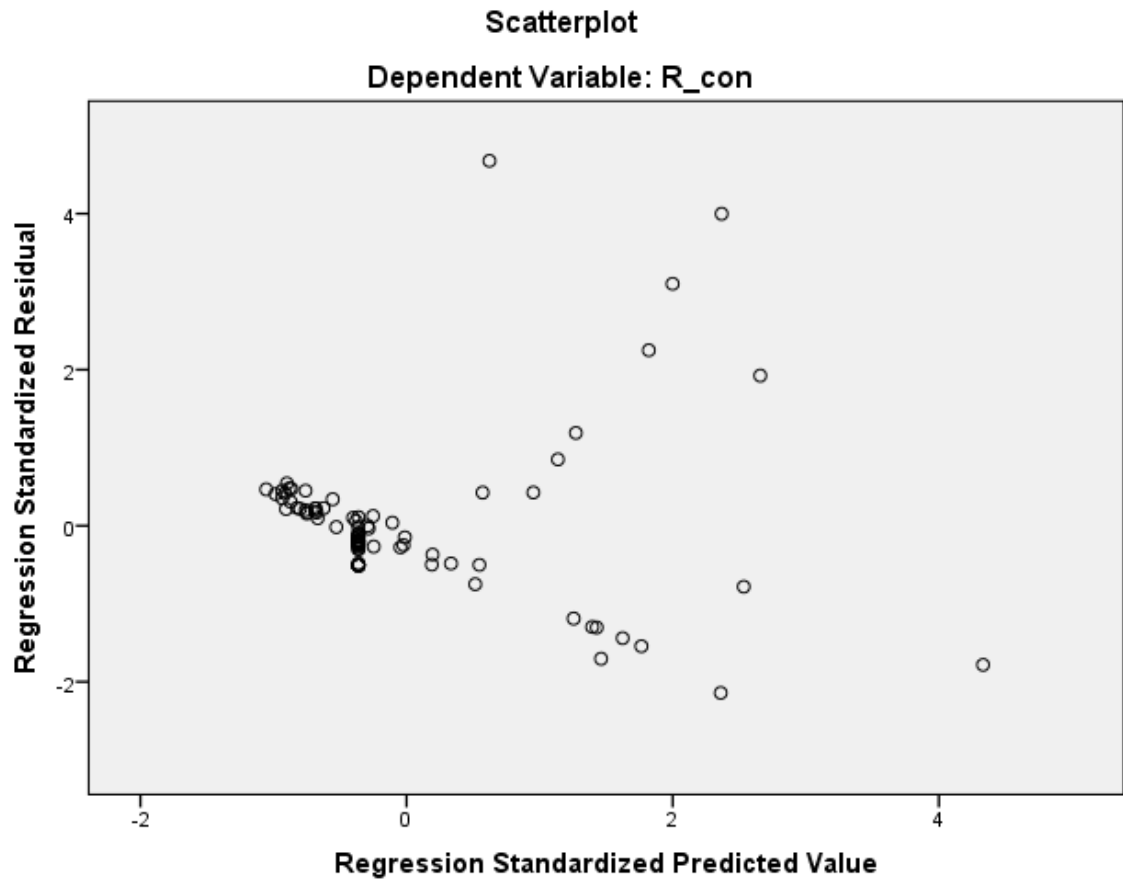
Stud. Deleted Residual	-2.290	5.525	.008	1.097
Mahal. Distance	.045	63.620	2.967	7.293
Cook's Distance	.000	.567	.027	.087
Centered Leverage Value	.000	.707	.033	.081

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: R_con

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT SMSP_d

/METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created	05-JUN-2015 14:46:34	
Comments		
Input	Active Dataset	DataSet5
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	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.

		Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax			REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT SMSP_d /METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time		00:00:00.19
	Elapsed Time		00:00:00.21
	Memory Required		6272 bytes
	Additional Memory Required for Residual Plots		0 bytes
Variables Created or Modified	COO_10		Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	AvgGL_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	GD_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: SMSP_d

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.382 ^a	.146	.137	.097
2	.458 ^b	.210	.192	.094

a. Predictors: (Constant), AvgGL_d

b. Predictors: (Constant), AvgGL_d, GD_d

c. Dependent Variable: SMSP_d

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.145	1	.145	15.242	.000 ^b
	Residual	.844	89	.009		
	Total	.989	90			
2	Regression	.207	2	.104	11.665	.000 ^c
	Residual	.782	88	.009		
	Total	.989	90			

a. Dependent Variable: SMSP_d

b. Predictors: (Constant), AvgGL_d

c. Predictors: (Constant), AvgGL_d, GD_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-.134	.038		-3.478	.001

	AvgGL_d	13.155	3.370	.382	3.904	.000
2	(Constant)	-.161	.039		-4.168	.000
	AvgGL_d	23.453	5.067	.682	4.629	.000
	GD_d	-7.834	2.950	-.391	-2.655	.009

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	AvgGL_d	1.000	1.000
2	(Constant)		
	AvgGL_d	.414	2.414
	GD_d	.414	2.414

a. Dependent Variable: SMSP_d

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	GD_d	-.391 ^b	-2.655	.009	-.272	.414	2.414
	Tpaths_d	-.161 ^b	-.938	.351	-.100	.327	3.056
	TSpaths_d	-.171 ^b	-1.057	.293	-.112	.367	2.727

	AvgPL_d	-.435 ^b	-1.478	.143	-.156	.109	9.162
2	Tpaths_d	-.120 ^c	-.718	.475	-.077	.324	3.084
	TSpaths_d	-.137 ^c	-.873	.385	-.093	.364	2.746
	AvgPL_d	-.326 ^c	-1.123	.265	-.120	.107	9.385

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	GD_d	.414
	Tpaths_d	.327
	TSpaths_d	.367
	AvgPL_d	.109
2	Tpaths_d	.240
	TSpaths_d	.256
	AvgPL_d	.103

a. Dependent Variable: SMSP_d

b. Predictors in the Model: (Constant), AvgGL_d

c. Predictors in the Model: (Constant), AvgGL_d, GD_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition	Variance Proportions
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			Index	(Constant)	AvgGL_d	GD_d
1	1	1.964	1.000	.02	.02	
	2	.036	7.388	.98	.98	
2	1	2.884	1.000	.01	.00	.01
	2	.096	5.471	.32	.00	.41
	3	.019	12.228	.67	1.00	.58

a. Dependent Variable: SMSP_d

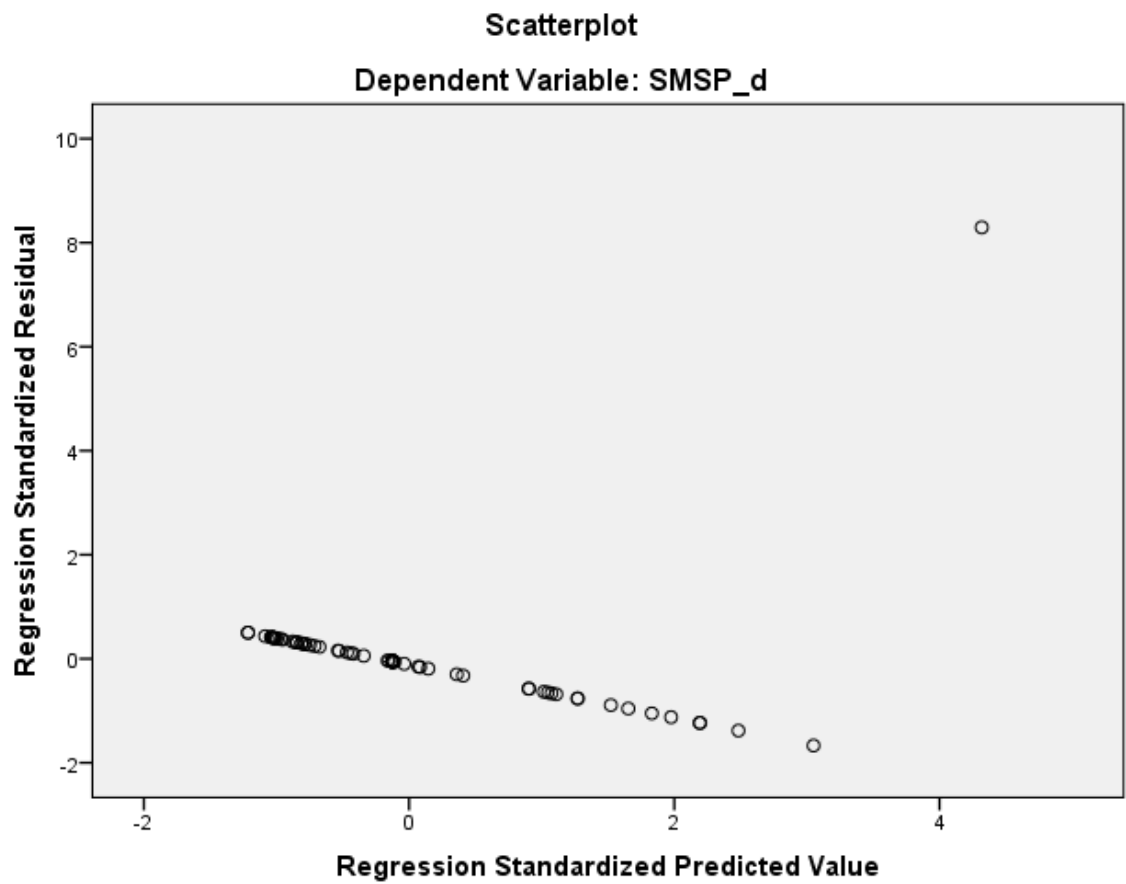
Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	-.05	.22	.01	.048	91
Std. Predicted Value	-1.215	4.319	.000	1.000	91
Standard Error of Predicted Value	.010	.044	.016	.006	91
Adjusted Predicted Value	-.05	.20	.01	.046	91
Residual	-.157	.782	.000	.093	91
Std. Residual	-1.669	8.294	.000	.989	91
Stud. Residual	-1.861	9.381	.007	1.099	91
Deleted Residual	-.195	1.000	.001	.115	91
Stud. Deleted Residual	-1.888	.515	-.098	.474	90
Mahal. Distance	.017	18.653	1.978	2.975	91

Cook's Distance	.000	8.189	.096	.858	91
Centered Leverage Value	.000	.207	.022	.033	91

a. Dependent Variable: SMSP_d

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT SMSP_d

/METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created	05-JUN-2015 14:47:27
Comments	
Input	Active Dataset DataSet5

Missing Value Handling	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	90
	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT SMSP_d /METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.07
	Memory Required	6320 bytes

	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_11	Cook's Distance

Warnings

The dependent variable SMSP_d is constant and has been deleted. Statistics cannot be computed.

REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT GD_d

/METHOD=STEPWISE PL_TpinN PL_TSpinN S_con R_con SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created		05-JUN-2015 14:42:03
Comments		
Input	Active Dataset	DataSet5
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT GD_d /METHOD=STEPWISE PL_TpinN PL_TSpinN S_con R_con SMSP_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.	
Resources	Processor Time		00:00:00.20
	Elapsed Time		00:00:00.22
	Memory Required	5920 bytes	
	Additional Memory Required for Residual Plots	0 bytes	
Variables Created or Modified	COO_1	Cook's Distance	

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
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1	PL_TSpinN		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
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a. Dependent Variable: GD_d

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.382 ^a	.146	.137	.00486208825 5119

a. Predictors: (Constant), PL_TSpinN

b. Dependent Variable: GD_d

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	15.239	.000 ^b
	Residual	.002	89	.000		

Total	.002	90			
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a. Dependent Variable: GD_d

b. Predictors: (Constant), PL_TSpinN

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.008	.001		8.639	.000
	PL_TSpinN	.274	.070	.382	3.904	.000

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	PL_TSpinN	1.000	1.000

a. Dependent Variable: GD_d

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpinN	.134 ^b	.682	.497	.073	.249	4.009
	S_con	.113 ^b	1.139	.258	.121	.972	1.029
	R_con	.171 ^b	1.717	.089	.180	.942	1.061
	SMSP_d	.135 ^b	1.384	.170	.146	1.000	1.000

Excluded Variables^a

Model		Collinearity Statistics	
		Minimum Tolerance	
1	PL_TpinN	.249	
	S_con	.972	
	R_con	.942	
	SMSP_d	1.000	

a. Dependent Variable: GD_d

b. Predictors in the Model: (Constant), PL_TSpinN

Collinearity Diagnostics^a

Model Dimension		Eigenvalue	Condition Index	Variance Proportions	
				(Constant)	PL_TSpinN

1	1	1.834	1.000	.08	.08
	2	.166	3.324	.92	.92

a. Dependent Variable: GD_d

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00798117835 0747	.01508451625 7048	.01098901098 9011	.00200071007 0589
Std. Predicted Value	-1.503	2.047	.000	1.000
Standard Error of Predicted Value	.001	.001	.001	.000
Adjusted Predicted Value	.00784459337 5921	.01565059646 9641	.01100271186 7351	.00201571446 3828
Residual	- .00927056279 0334	.01844208687 5439	.00000000000 0000	.00483500120 1713
Std. Residual	-1.907	3.793	.000	.994
Stud. Residual	-1.964	3.815	-.001	1.004
Deleted Residual	- .00983664300 2927	.01865383423 8648	- .00001370087 8340	.00493311059 9688
Stud. Deleted Residual	-1.997	4.147	.006	1.032
Mahal. Distance	.000	4.190	.989	1.135
Cook's Distance	.000	.125	.010	.021

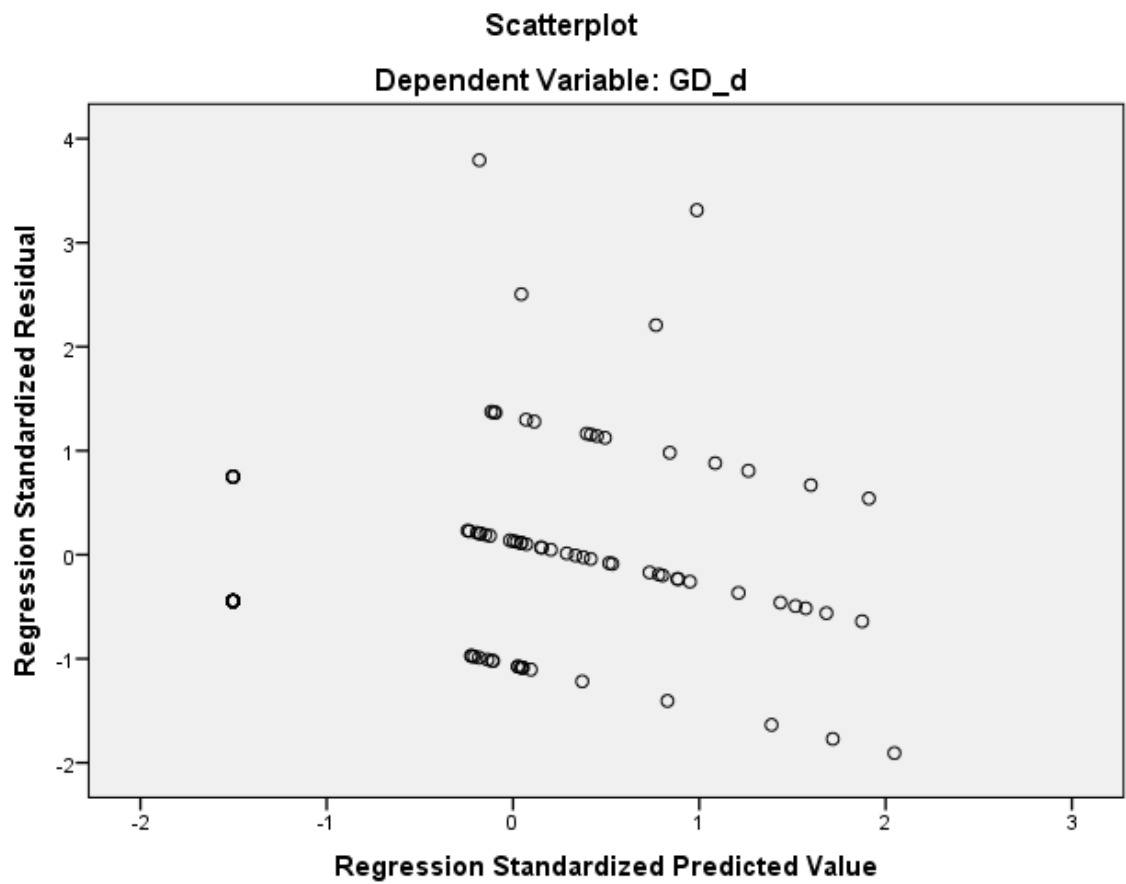
Centered Leverage Value	.000	.047	.011	.013
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Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: GD_d

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT Tpaths_d

/METHOD=STEPWISE PL_TpinN PL_TSpinN S_con R_con SMSP_d

/SCATTERPLOT=(*ZRESID,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created		05-JUN-2015 14:42:28
Comments		
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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION
		/MISSING LISTWISE
		/STATISTICS COEFF OUTS R ANOVA COLLIN TOL
		/CRITERIA=PIN(.05) POUT(.10)
		/NOORIGIN
		/DEPENDENT Tpaths_d
		/METHOD=STEPWISE PL_TpinN PL_TSpinN S_con R_con SMSP_d
		/SCATTERPLOT=(*ZRESID ,*ZPRED)
		/SAVE COOK.
Resources	Processor Time	00:00:00.16
	Elapsed Time	00:00:00.17
	Memory Required	5952 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_2	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
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1	R_con		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	SMSP_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
3	S_con		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: Tpaths_d

Model Summary^d

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
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1	.294 ^a	.086	.076	.00257505517 5058
2	.367 ^b	.134	.115	.00252058881 3697
3	.424 ^c	.180	.152	.00246712614 4795

a. Predictors: (Constant), R_con

b. Predictors: (Constant), R_con, SMSP_d

c. Predictors: (Constant), R_con, SMSP_d, S_con

d. Dependent Variable: Tpaths_d

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	8.400	.005 ^b
	Residual	.001	89	.000		
	Total	.001	90			
2	Regression	.000	2	.000	6.827	.002 ^c
	Residual	.001	88	.000		
	Total	.001	90			
3	Regression	.000	3	.000	6.369	.001 ^d
	Residual	.001	87	.000		

Total	.001	90			
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- a. Dependent Variable: Tpaths_d
- b. Predictors: (Constant), R_con
- c. Predictors: (Constant), R_con, SMSP_d
- d. Predictors: (Constant), R_con, SMSP_d, S_con

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.010	.000		23.037	.000
	R_con	.090	.031	.294	2.898	.005
2	(Constant)	.010	.000		23.619	.000
	R_con	.079	.031	.260	2.594	.011
	SMSP_d	.006	.003	.222	2.211	.030
3	(Constant)	.007	.001		4.979	.000
	R_con	.455	.173	1.489	2.630	.010
	SMSP_d	.007	.003	.270	2.684	.009
	S_con	-.104	.047	-1.255	-2.203	.030

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	R_con	1.000	1.000
2	(Constant)		
	R_con	.977	1.023
	SMSP_d	.977	1.023
3	(Constant)		
	R_con	.029	33.998
	SMSP_d	.931	1.074
	S_con	.029	34.415

a. Dependent Variable: Tpaths_d

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpinN	.025 ^b	.244	.808	.026	.993	1.007
	PL_TSpinN	-.025 ^b	-.238	.812	-.025	.942	1.061
	S_con	-.923 ^b	-1.604	.112	-.169	.030	32.790
	SMSP_d	.222 ^b	2.211	.030	.229	.977	1.023

2	PL_TpinN	.032 ^c	.322	.748	.035	.992	1.008
	PL_TSpinN	-.014 ^c	-.136	.892	-.015	.940	1.064
	S_con	-1.255 ^c	-2.203	.030	-.230	.029	34.415
3	PL_TpinN	-.069 ^d	-.643	.522	-.069	.820	1.220
	PL_TSpinN	-.125 ^d	-1.140	.257	-.122	.783	1.277

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	PL_TpinN	.993
	PL_TSpinN	.942
	S_con	.030
	SMSP_d	.977
2	PL_TpinN	.970
	PL_TSpinN	.919
	S_con	.029
3	PL_TpinN	.024
	PL_TSpinN	.024

a. Dependent Variable: Tpaths_d

b. Predictors in the Model: (Constant), R_con

c. Predictors in the Model: (Constant), R_con, SMSP_d

d. Predictors in the Model: (Constant), R_con, SMSP_d, S_con

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	R_con	SMSP_d
1	1	1.783	1.000	.11	.11	
	2	.217	2.869	.89	.89	
2	1	1.831	1.000	.10	.10	.03
	2	.956	1.384	.02	.01	.95
	3	.213	2.929	.88	.90	.02
3	1	2.376	1.000	.00	.00	.02
	2	.958	1.575	.00	.00	.87
	3	.660	1.898	.02	.00	.07
	4	.006	19.168	.97	1.00	.04

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions
		S_con
1	1	
	2	
2	1	
	2	

	3	
3	1	.00
	2	.00
	3	.02
	4	.98

a. Dependent Variable: Tpaths_d

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00955819245 4278	.01758608967 0658	.01098901098 9011	.00113679685 5061
Std. Predicted Value	-1.259	5.803	.000	1.000
Standard Error of Predicted Value	.000	.002	.000	.000
Adjusted Predicted Value	.00926572736 3527	.01481806952 5063	.01089528636 0587	.00097862397 8123
Residual	- .00313881598 4130	.01175587810 5760	.00000000000 0000	.00242565888 6540
Std. Residual	-1.272	4.765	.000	.983
Stud. Residual	-1.280	4.848	.004	1.012
Deleted Residual	- .00317785074 0030	.01217006053 7755	.00002042374 5251	.00256109565 1055

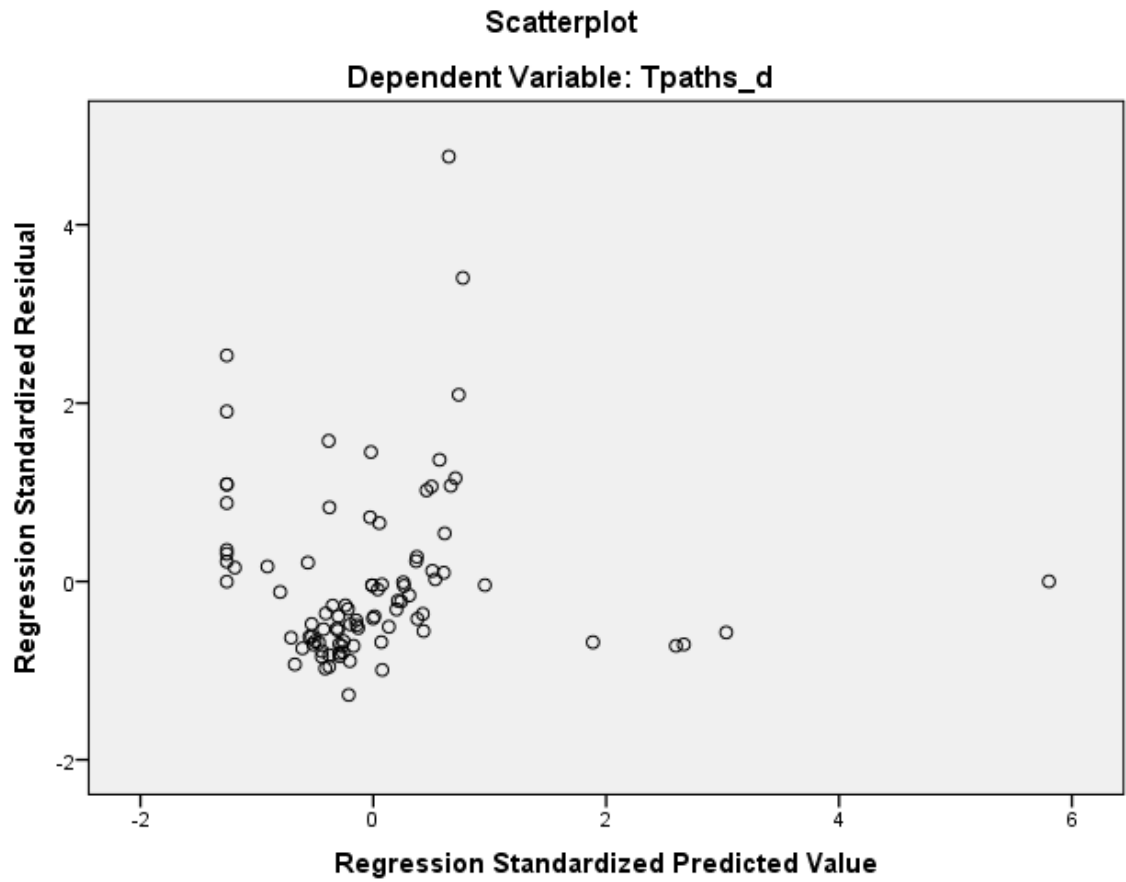
Stud. Deleted Residual	-1.285	5.642	.019	1.071
Mahal. Distance	.116	89.011	2.967	10.051
Cook's Distance	.000	.309	.013	.042
Centered Leverage Value	.001	.989	.033	.112

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	90
Residual	91
Std. Residual	91
Stud. Residual	90
Deleted Residual	90
Stud. Deleted Residual	90
Mahal. Distance	91
Cook's Distance	90
Centered Leverage Value	91

a. Dependent Variable: Tpaths_d

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN


```

/DEPENDENT TSpats_d

/METHOD=STEPWISE PL_TpinN PL_TSpinN S_con R_con SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

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Regression

Notes

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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.

		Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax			REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT TSpaths_d /METHOD=STEPWISE PL_TpinN PL_TSpinN S_con R_con SMSP_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time		00:00:00.17
	Elapsed Time		00:00:00.18
	Memory Required		6000 bytes
	Additional Memory Required for Residual Plots		0 bytes
Variables Created or Modified	COO_3		Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	R_con		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	SMSP_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: TSpats_d

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.311 ^a	.097	.087	.00231265470 1345
2	.368 ^b	.136	.116	.00227522986 7917

a. Predictors: (Constant), R_con

b. Predictors: (Constant), R_con, SMSP_d

c. Dependent Variable: TSpaths_d

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	9.546	.003 ^b
	Residual	.000	89	.000		
	Total	.001	90			
2	Regression	.000	2	.000	6.908	.002 ^c
	Residual	.000	88	.000		
	Total	.001	90			

a. Dependent Variable: TSpaths_d

b. Predictors: (Constant), R_con

c. Predictors: (Constant), R_con, SMSP_d

Coefficients^a

Model	Unstandardized Coefficients	Standardized Coefficients	t	Sig.
-------	-----------------------------	---------------------------	---	------

		B	Std. Error	Beta		
1	(Constant)	.010	.000		25.758	.000
	R_con	.086	.028	.311	3.090	.003
2	(Constant)	.010	.000		26.251	.000
	R_con	.078	.028	.281	2.805	.006
	SMSP_d	.005	.002	.199	1.988	.050

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	R_con	1.000	1.000
2	(Constant)		
	R_con	.977	1.023
	SMSP_d	.977	1.023

a. Dependent Variable: TSpats_d

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpinN	.036 ^b	.352	.726	.037	.993	1.007

	PL_TSpinN	-.030 ^b	-.287	.775	-.031	.942	1.061
	S_con	-.822 ^b	-1.434	.155	-.151	.030	32.790
	SMSP_d	.199 ^b	1.988	.050	.207	.977	1.023
2	PL_TpinN	.042 ^c	.423	.673	.045	.992	1.008
	PL_TSpinN	-.020 ^c	-.195	.846	-.021	.940	1.064
	S_con	-1.120 ^c	-1.957	.054	-.205	.029	34.415

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	PL_TpinN	.993
	PL_TSpinN	.942
	S_con	.030
	SMSP_d	.977
2	PL_TpinN	.970
	PL_TSpinN	.919
	S_con	.029

a. Dependent Variable: TSpats_d

b. Predictors in the Model: (Constant), R_con

c. Predictors in the Model: (Constant), R_con, SMSP_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	R_con	SMSP_d
1	1	1.783	1.000	.11	.11	
	2	.217	2.869	.89	.89	
2	1	1.831	1.000	.10	.10	.03
	2	.956	1.384	.02	.01	.95
	3	.213	2.929	.88	.90	.02

a. Dependent Variable: TSpaths_d

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.01051127538 0850	.01650656387 2099	.01098901098 9011	.00089141421 2177
Std. Predicted Value	-.536	6.190	.000	1.000
Standard Error of Predicted Value	.000	.002	.000	.000
Adjusted Predicted Value	.01042615529 1498	.01467567309 7372	.01093849425 3323	.00072778367 9929
Residual	- .00309054832 9055	.00845977570 8616	.00000000000 0000	.00224980750 7232
Std. Residual	-1.358	3.718	.000	.989

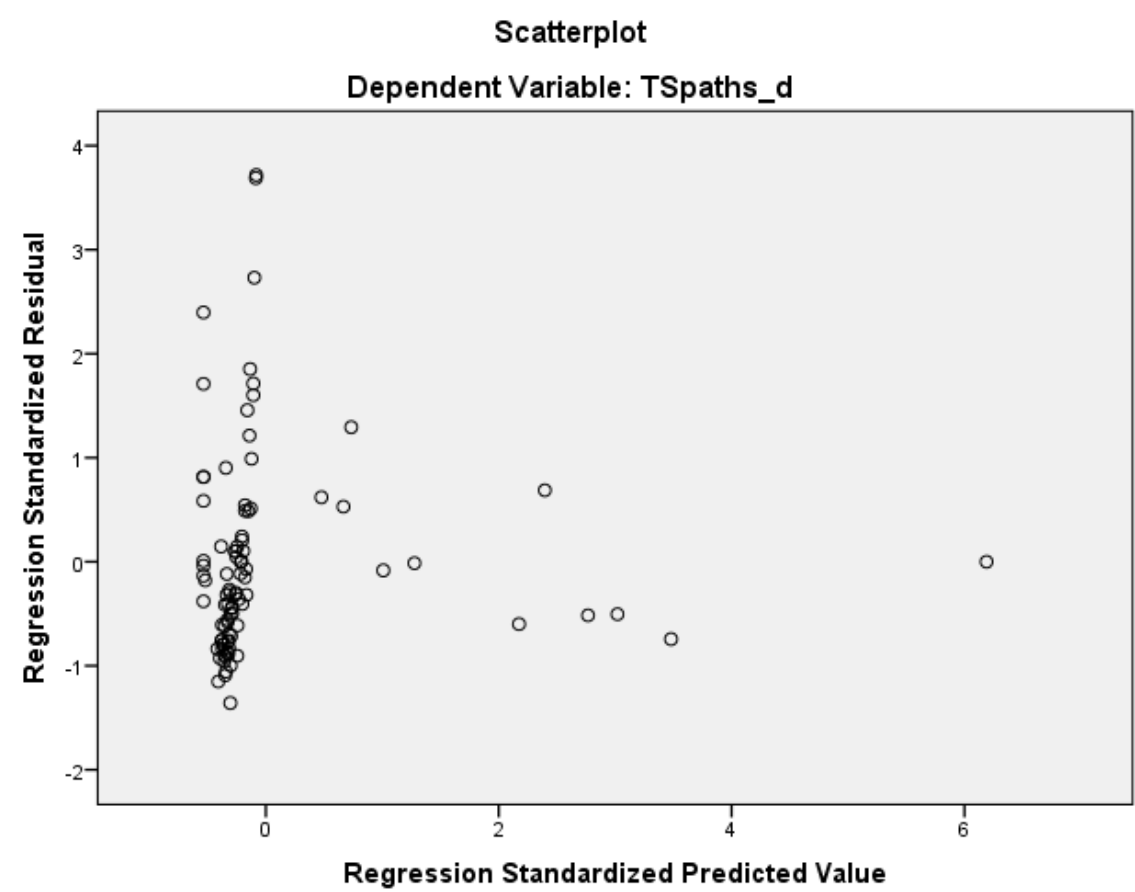
Stud. Residual	-1.367	3.739	-.002	1.003
Deleted Residual	-	.00855486281	-	.00230213491
	.00312872487	2161	.00001078939	0262
	1203		7631	
Stud. Deleted Residual	-1.374	4.054	.008	1.036
Mahal. Distance	.011	89.011	1.978	9.859
Cook's Distance	.000	.086	.006	.013
Centered Leverage Value	.000	.989	.022	.110

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	90
Residual	91
Std. Residual	91
Stud. Residual	90
Deleted Residual	90
Stud. Deleted Residual	90
Mahal. Distance	91
Cook's Distance	90
Centered Leverage Value	91

a. Dependent Variable: TSpaths_d

Charts



REGRESSION

```

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT AvgPL_d

/METHOD=STEPWISE PL_TpinN PL_TSpinN S_con R_con SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

```

Regression

Notes

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	Split File	<none>

	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT AvgPL_d /METHOD=STEPWISE PL_TpinN PL_TSpinN S_con R_con SMSP_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.20
	Elapsed Time	00:00:00.25
	Memory Required	6032 bytes
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Variables Created or Modified	COO_4	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	R_con		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	SMSP_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
3	S_con		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: AvgPL_d

Model Summary^d

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.419 ^a	.176	.167	.00377043944 1226
2	.490 ^b	.240	.223	.00364143532 9810
3	.572 ^c	.327	.304	.00344525028 2338

a. Predictors: (Constant), R_con

b. Predictors: (Constant), R_con, SMSP_d

c. Predictors: (Constant), R_con, SMSP_d, S_con

d. Dependent Variable: AvgPL_d

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	18.979	.000 ^b
	Residual	.001	89	.000		
	Total	.002	90			
2	Regression	.000	2	.000	13.883	.000 ^c
	Residual	.001	88	.000		
	Total	.002	90			

3	Regression	.001	3	.000	14.108	.000 ^d
	Residual	.001	87	.000		
	Total	.002	90			

a. Dependent Variable: AvgPL_d

b. Predictors: (Constant), R_con

c. Predictors: (Constant), R_con, SMSP_d

d. Predictors: (Constant), R_con, SMSP_d, S_con

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.009	.001		13.871	.000
	R_con	.197	.045	.419	4.357	.000
2	(Constant)	.009	.001		14.487	.000
	R_con	.179	.044	.381	4.049	.000
	SMSP_d	.010	.004	.256	2.724	.008
3	(Constant)	.003	.002		1.281	.203
	R_con	.979	.241	.2079	4.054	.000
	SMSP_d	.013	.004	.323	3.541	.001
	S_con	-.223	.066	-1.735	-3.363	.001

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	R_con	1.000	1.000
2	(Constant)		
	R_con	.977	1.023
	SMSP_d	.977	1.023
3	(Constant)		
	R_con	.029	33.998
	SMSP_d	.931	1.074
	S_con	.029	34.415

a. Dependent Variable: AvgPL_d

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpinN	.123 ^b	1.276	.205	.135	.993	1.007
	PL_TSpinN	.121 ^b	1.226	.223	.130	.942	1.061
	S_con	-1.338 ^b	-2.498	.014	-.257	.030	32.790

	SMSP_d	.256 ^b	2.724	.008	.279	.977	1.023
2	PL_TpinN	.131 ^c	1.416	.160	.150	.992	1.008
	PL_TSpinN	.134 ^c	1.409	.162	.149	.940	1.064
	S_con	-1.735 ^c	-3.363	.001	-.339	.029	34.415
3	PL_TpinN	.009 ^d	.096	.924	.010	.820	1.220
	PL_TSpinN	.012 ^d	.118	.906	.013	.783	1.277

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	PL_TpinN	.993
	PL_TSpinN	.942
	S_con	.030
	SMSP_d	.977
2	PL_TpinN	.970
	PL_TSpinN	.919
	S_con	.029
3	PL_TpinN	.024
	PL_TSpinN	.024

a. Dependent Variable: AvgPL_d

b. Predictors in the Model: (Constant), R_con

c. Predictors in the Model: (Constant), R_con, SMSP_d

d. Predictors in the Model: (Constant), R_con, SMSP_d, S_con

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	R_con	SMSP_d
1	1	1.783	1.000	.11	.11	
	2	.217	2.869	.89	.89	
2	1	1.831	1.000	.10	.10	.03
	2	.956	1.384	.02	.01	.95
	3	.213	2.929	.88	.90	.02
3	1	2.376	1.000	.00	.00	.02
	2	.958	1.575	.00	.00	.87
	3	.660	1.898	.02	.00	.07
	4	.006	19.168	.97	1.00	.04

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions
		S_con
1	1	
	2	
2	1	
	2	

	3	
3	1	.00
	2	.00
	3	.02
	4	.98

a. Dependent Variable: AvgPL_d

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00790745485 5740	.02320082858 2048	.01098901098 9011	.00236264071 3372
Std. Predicted Value	-1.304	5.169	.000	1.000
Standard Error of Predicted Value	.000	.003	.001	.000
Adjusted Predicted Value	.00787124410 2716	.01906132884 3236	.01083877388 6394	.00207618694 0537
Residual	- .00334660941 7349	.02348849549 8896	.00000000000 0000	.00338734279 2075
Std. Residual	-.971	6.818	.000	.983
Stud. Residual	-1.027	6.937	.002	1.011
Deleted Residual	- .00389309180 9005	.02431604079 9022	.00001455023 9274	.00357003654 7622

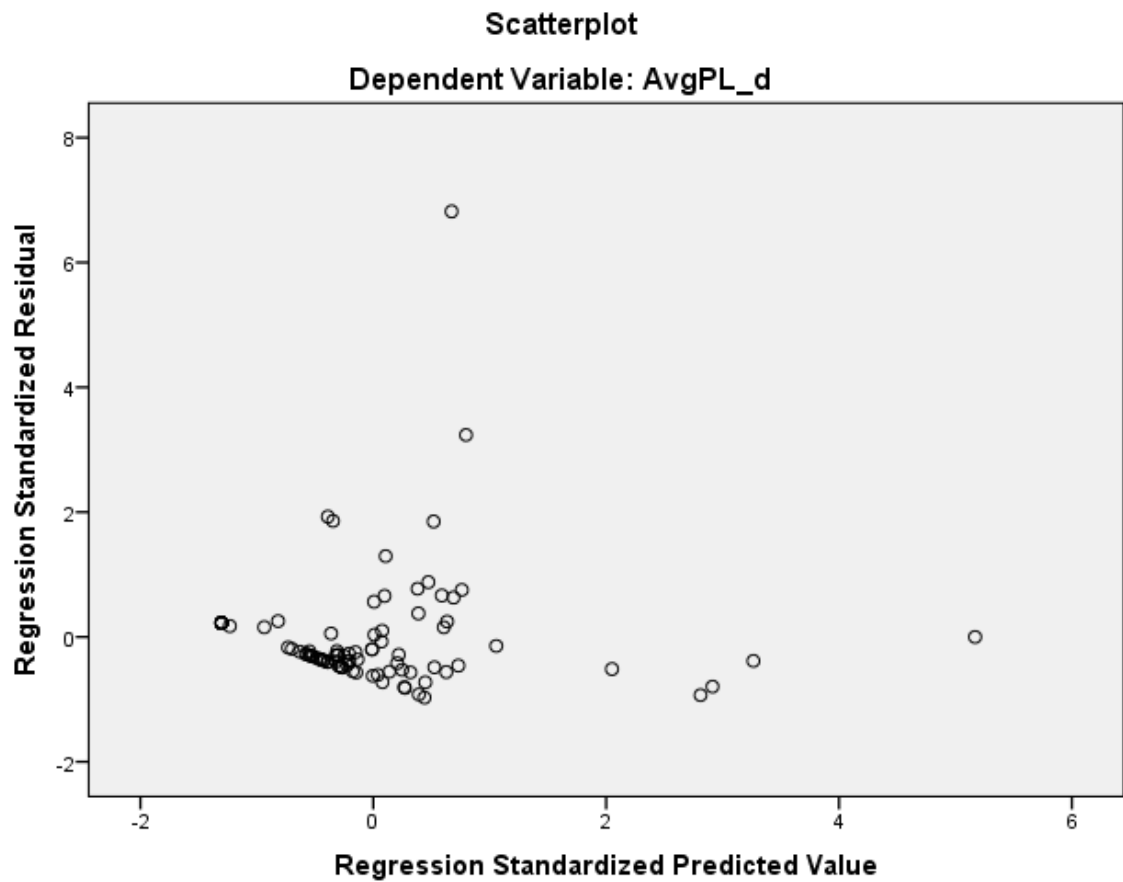
Stud. Deleted Residual	-1.027	10.316	.044	1.302
Mahal. Distance	.116	89.011	2.967	10.051
Cook's Distance	.000	.424	.013	.054
Centered Leverage Value	.001	.989	.033	.112

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	90
Residual	91
Std. Residual	91
Stud. Residual	90
Deleted Residual	90
Stud. Deleted Residual	90
Mahal. Distance	91
Cook's Distance	90
Centered Leverage Value	91

a. Dependent Variable: AvgPL_d

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT AvgGL_d

/METHOD=STEPWISE PL_TpinN PL_TSpinN S_con R_con SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

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	Weight	<none>
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	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.

		Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax			REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT AvgGL_d /METHOD=STEPWISE PL_TpinN PL_TSpinN S_con R_con SMSP_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time		00:00:00.17
	Elapsed Time		00:00:00.17
	Memory Required		6080 bytes
	Additional Memory Required for Residual Plots		0 bytes
Variables Created or Modified	COO_5		Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	R_con		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	SMSP_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
3	S_con		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: AvgGL_d

Model Summary^d

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.543 ^a	.295	.287	.002573194107383
2	.622 ^b	.387	.373	.002412213076798
3	.673 ^c	.453	.434	.002292691697768

a. Predictors: (Constant), R_con

b. Predictors: (Constant), R_con, SMSP_d

c. Predictors: (Constant), R_con, SMSP_d, S_con

d. Dependent Variable: AvgGL_d

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	37.197	.000 ^b
	Residual	.001	89	.000		
	Total	.001	90			
2	Regression	.000	2	.000	27.801	.000 ^c
	Residual	.001	88	.000		
	Total	.001	90			
3	Regression	.000	3	.000	23.988	.000 ^d

Residual	.000	87	.000		
Total	.001	90			

a. Dependent Variable: AvgGL_d

b. Predictors: (Constant), R_con

c. Predictors: (Constant), R_con, SMSP_d

d. Predictors: (Constant), R_con, SMSP_d, S_con

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.009	.000		20.548	.000
	R_con	.189	.031	.543	6.099	.000
2	(Constant)	.009	.000		22.082	.000
	R_con	.173	.029	.497	5.883	.000
	SMSP_d	.009	.002	.308	3.644	.000
3	(Constant)	.005	.001		3.737	.000
	R_con	.683	.161	1.966	4.252	.000
	SMSP_d	.011	.002	.365	4.443	.000
	S_con	-.142	.044	-1.502	-3.227	.002

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	R_con	1.000	1.000
2	(Constant)		
	R_con	.977	1.023
	SMSP_d	.977	1.023
3	(Constant)		
	R_con	.029	33.998
	SMSP_d	.931	1.074
	S_con	.029	34.415

a. Dependent Variable: AvgGL_d

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpinN	.194 ^b	2.220	.029	.230	.993	1.007
	PL_TSpinN	.154 ^b	1.698	.093	.178	.942	1.061
	S_con	-1.052 ^b	-2.104	.038	-.219	.030	32.790

	SMSP_d	.308 ^b	3.644	.000	.362	.977	1.023
2	PL_TpinN	.204 ^c	2.512	.014	.260	.992	1.008
	PL_TSpinN	.170 ^c	2.007	.048	.210	.940	1.064
	S_con	-1.502 ^c	-3.227	.002	-.327	.029	34.415
3	PL_TpinN	.118 ^d	1.351	.180	.144	.820	1.220
	PL_TSpinN	.074 ^d	.830	.409	.089	.783	1.277

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	PL_TpinN	.993
	PL_TSpinN	.942
	S_con	.030
	SMSP_d	.977
2	PL_TpinN	.970
	PL_TSpinN	.919
	S_con	.029
3	PL_TpinN	.024
	PL_TSpinN	.024

a. Dependent Variable: AvgGL_d

b. Predictors in the Model: (Constant), R_con

c. Predictors in the Model: (Constant), R_con, SMSP_d

d. Predictors in the Model: (Constant), R_con, SMSP_d, S_con

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	R_con	SMSP_d
1	1	1.783	1.000	.11	.11	
	2	.217	2.869	.89	.89	
2	1	1.831	1.000	.10	.10	.03
	2	.956	1.384	.02	.01	.95
	3	.213	2.929	.88	.90	.02
3	1	2.376	1.000	.00	.00	.02
	2	.958	1.575	.00	.00	.87
	3	.660	1.898	.02	.00	.07
	4	.006	19.168	.97	1.00	.04

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions
		S_con
1	1	
	2	
2	1	
	2	

	3	
3	1	.00
	2	.00
	3	.02
	4	.98

a. Dependent Variable: AvgGL_d

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00867402274 1616	.02198152989 1491	.01098901098 9011	.00205014917 2926
Std. Predicted Value	-1.129	5.362	.000	1.000
Standard Error of Predicted Value	.000	.002	.000	.000
Adjusted Predicted Value	.00865866802 6328	.01874090172 3504	.01085942690 8010	.00177271921 2437
Residual	- .00295162410 4753	.01131013967 0968	.00000000000 0000	.00225415631 9701
Std. Residual	-1.287	4.933	.000	.983
Stud. Residual	-1.452	5.019	.002	1.014
Deleted Residual	- .00375377084 1286	.01170861721 0388	.00000744497 9474	.00239042482 1114

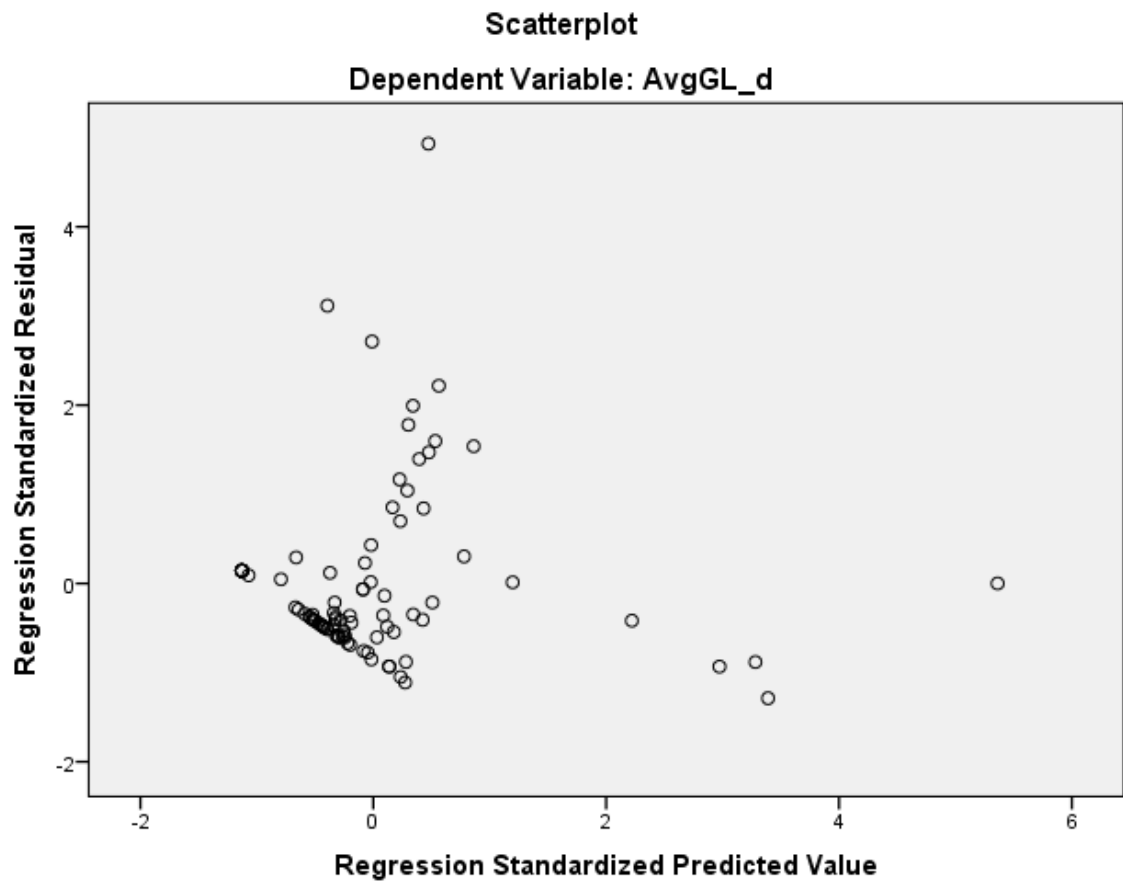
Stud. Deleted Residual	-1.461	5.921	.018	1.080
Mahal. Distance	.116	89.011	2.967	10.051
Cook's Distance	.000	.348	.015	.048
Centered Leverage Value	.001	.989	.033	.112

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	90
Residual	91
Std. Residual	91
Stud. Residual	90
Deleted Residual	90
Stud. Deleted Residual	90
Mahal. Distance	91
Cook's Distance	90
Centered Leverage Value	91

a. Dependent Variable: AvgGL_d

Charts



GET DATA /TYPE=XLSX

/FILE='C:\Users\Nitin\Desktop\Appendix\Normalized_Data\Ent_con.xlsx'

/SHEET=name 'Sheet1'

/CELLRANGE=full

/READNAMES=on

```
/ASSUMEDSTRWIDTH=32767.  
  
EXECUTE.  
  
DATASET NAME DataSet7 WINDOW=FRONT.  
  
REGRESSION  
  
/MISSING LISTWISE  
  
/STATISTICS COEFF OUTS R ANOVA COLLIN TOL  
  
/CRITERIA=PIN(.05) POUT(.10)  
  
/NOORIGIN  
  
/DEPENDENT ECin  
  
/METHOD=STEPWISE PL_TpinN PL_TSpinN S_con R_con SMSP_d  
  
/SCATTERPLOT=(*ZRESID ,*ZPRED)  
  
/SAVE COOK.
```

Regression

Notes

Output Created	05-JUN-2015 14:52:48
Comments	

Input	Active Dataset	DataSet7	
	Filter	<none>	
	Weight	<none>	
	Split File	<none>	
	N of Rows in Working Data File		91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.	
	Cases Used	Statistics are based on cases with no missing values for any variable used.	
Syntax		REGRESSION	
		/MISSING LISTWISE	
		/STATISTICS COEFF OUTS R ANOVA COLLIN TOL	
		/CRITERIA=PIN(.05) POUT(.10)	
		/NOORIGIN	
Resources		/DEPENDENT ECin	
		/METHOD=STEPWISE PL_TpinN PL_TSpinN S_con R_con SMSP_d	
		/SCATTERPLOT=(*ZRESID ,*ZPRED)	
		/SAVE COOK.	
Resources	Processor Time		00:00:00.02
	Elapsed Time		00:00:00.01
	Memory Required	5920 bytes	

	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_1	Cook's Distance

[DataSet7]

Warnings

No variables were entered into the equation.

REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT PL_EVCinN

/METHOD=STEPWISE PL_TpinN PL_TSpinN S_con R_con SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created		05-JUN-2015 14:53:00
Comments		
Input	Active Dataset	DataSet7
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT PL_EVCinN /METHOD=STEPWISE PL_TpinN PL_TSpinN S_con R_con SMSP_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.	
Resources	Processor Time	00:00:00.14	
	Elapsed Time	00:00:00.16	
	Memory Required	5952 bytes	
	Additional Memory Required for Residual Plots	0 bytes	
Variables Created or Modified	COO_2	Cook's Distance	

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
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1	PL_TpinN		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
---	----------	--	---

a. Dependent Variable: PL_EVCinN

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.237 ^a	.056	.046	.02108364895 1619

a. Predictors: (Constant), PL_TpinN

b. Dependent Variable: PL_EVCinN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.002	1	.002	5.312	.024 ^b
	Residual	.040	89	.000		

Total	.042	90			
-------	------	----	--	--	--

a. Dependent Variable: PL_EVCinN

b. Predictors: (Constant), PL_TpinN

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.003	.004		.749	.456
	PL_TpinN	.721	.313	.237	2.305	.024

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	PL_TpinN	1.000	1.000

a. Dependent Variable: PL_EVCinN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TSpinN	-.086 ^b	-.413	.681	-.044	.249	4.009
	S_con	-.095 ^b	-.923	.359	-.098	1.000	1.000
	R_con	-.060 ^b	-.575	.567	-.061	.993	1.007
	SMSP_d	-.049 ^b	-.476	.635	-.051	1.000	1.000

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	PL_TSpinN	.249
	S_con	1.000
	R_con	.993
	SMSP_d	1.000

a. Dependent Variable: PL_EVCinN

b. Predictors in the Model: (Constant), PL_TpinN

Collinearity Diagnostics^a

Model Dimension		Eigenvalue	Condition Index	Variance Proportions	
				(Constant)	PL_TpinN

1	1	1.841	1.000	.08	.08
	2	.159	3.406	.92	.92

a. Dependent Variable: PL_EVCinN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00306195858 8660	.02222040668 1299	.01098901098 9011	.00512224222 0888
Std. Predicted Value	-1.548	2.193	.000	1.000
Standard Error of Predicted Value	.002	.005	.003	.001
Adjusted Predicted Value	.00229778164 0664	.02316961251 1992	.01102138537 9604	.00516425094 0424
Residual	- .02177376300 0965	.07199212908 7448	.00000000000 0000	.02096619038 3367
Std. Residual	-1.033	3.415	.000	.994
Stud. Residual	-1.065	3.434	-.001	1.003
Deleted Residual	- .02316961251 1992	.07282111048 6984	- .00003237439 0593	.02132457030 8510
Stud. Deleted Residual	-1.066	3.666	.012	1.042
Mahal. Distance	.000	4.808	.989	1.206
Cook's Distance	.000	.119	.009	.020

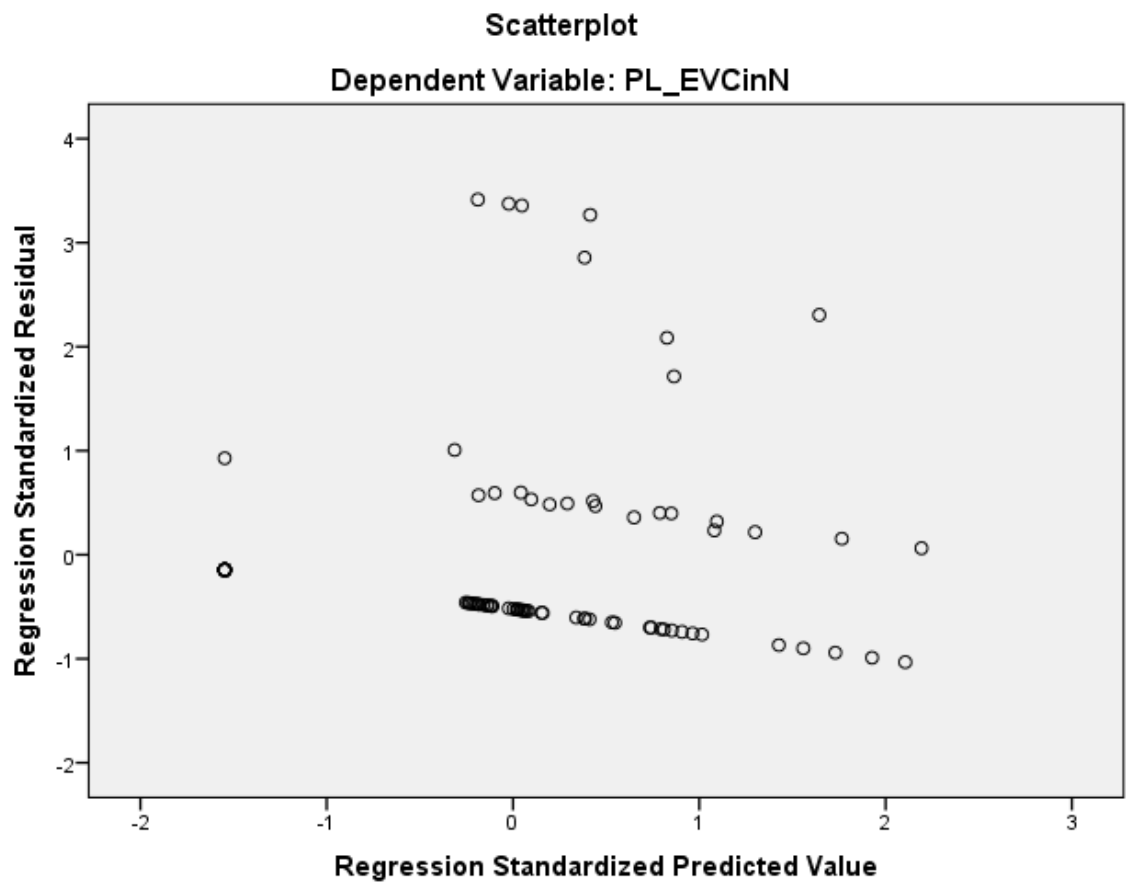
Centered Leverage Value	.000	.053	.011	.013
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Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: PL_EVCinN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT EVCin_TpinN

/METHOD=STEPWISE PL_TpinN PL_TSpinN S_con R_con SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created		05-JUN-2015 14:53:32
Comments		
Input	Active Dataset	DataSet7
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION
		/MISSING LISTWISE
		/STATISTICS COEFF OUTS R ANOVA COLLIN TOL
		/CRITERIA=PIN(.05) POUT(.10)
		/NOORIGIN
		/DEPENDENT EVCin_TpinN
		/METHOD=STEPWISE PL_TpinN PL_TSpinN S_con R_con SMSP_d
		/SCATTERPLOT=(*ZRESID ,*ZPRED)
		/SAVE COOK.
Resources	Processor Time	00:00:00.17
	Elapsed Time	00:00:00.22
	Memory Required	6000 bytes
	Additional Memory Required for Residual Plots	0 bytes
	Variables Created or Modified	COO_3 Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
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1	S_con		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
---	-------	--	---

a. Dependent Variable: EVCin_TpinN

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.257 ^a	.066	.055	.00706429961 7404

a. Predictors: (Constant), S_con

b. Dependent Variable: EVCin_TpinN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	6.278	.014 ^b
	Residual	.004	89	.000		

Total	.005	90			
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a. Dependent Variable: EVCin_TpinN

b. Predictors: (Constant), S_con

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.012	.001		14.848	.000
	S_con	-.058	.023	-.257	-2.506	.014

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	S_con	1.000	1.000

a. Dependent Variable: EVCin_TpinN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpinN	-.001 ^b	-.014	.988	-.002	1.000	1.000
	PL_TSpinN	.036 ^b	.345	.731	.037	.972	1.029
	R_con	.616 ^b	1.051	.296	.111	.030	32.790
	SMSP_d	.142 ^b	1.367	.175	.144	.965	1.036

Excluded Variables^a

Model		Collinearity Statistics	
		Minimum Tolerance	
1	PL_TpinN	1.000	
	PL_TSpinN	.972	
	R_con	.030	
	SMSP_d	.965	

a. Dependent Variable: EVCin_TpinN

b. Predictors in the Model: (Constant), S_con

Collinearity Diagnostics^a

Model Dimension		Eigenvalue	Condition Index	Variance Proportions	
				(Constant)	S_con

1	1	1.325	1.000	.34	.34
	2	.675	1.401	.66	.66

a. Dependent Variable: EVCin_TpinN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00246104202 2333	.01162625011 0567	.01098901098 9011	.00186575572 4624
Std. Predicted Value	-4.571	.342	.000	1.000
Standard Error of Predicted Value	.001	.003	.001	.000
Adjusted Predicted Value	.00148764846 3808	.01177085749 8050	.01099149976 1104	.00188101914 9432
Residual	- .01162625011 0567	.01276959665 1196	.00000000000 0000	.00702494388 1560
Std. Residual	-1.646	1.808	.000	.994
Stud. Residual	-1.656	1.979	.000	1.006
Deleted Residual	- .01177085749 8050	.01530717872 0832	- .00000248877 2093	.00719681338 2711
Stud. Deleted Residual	-1.673	2.013	-.004	1.012
Mahal. Distance	.001	20.892	.989	3.312
Cook's Distance	.000	.389	.013	.041

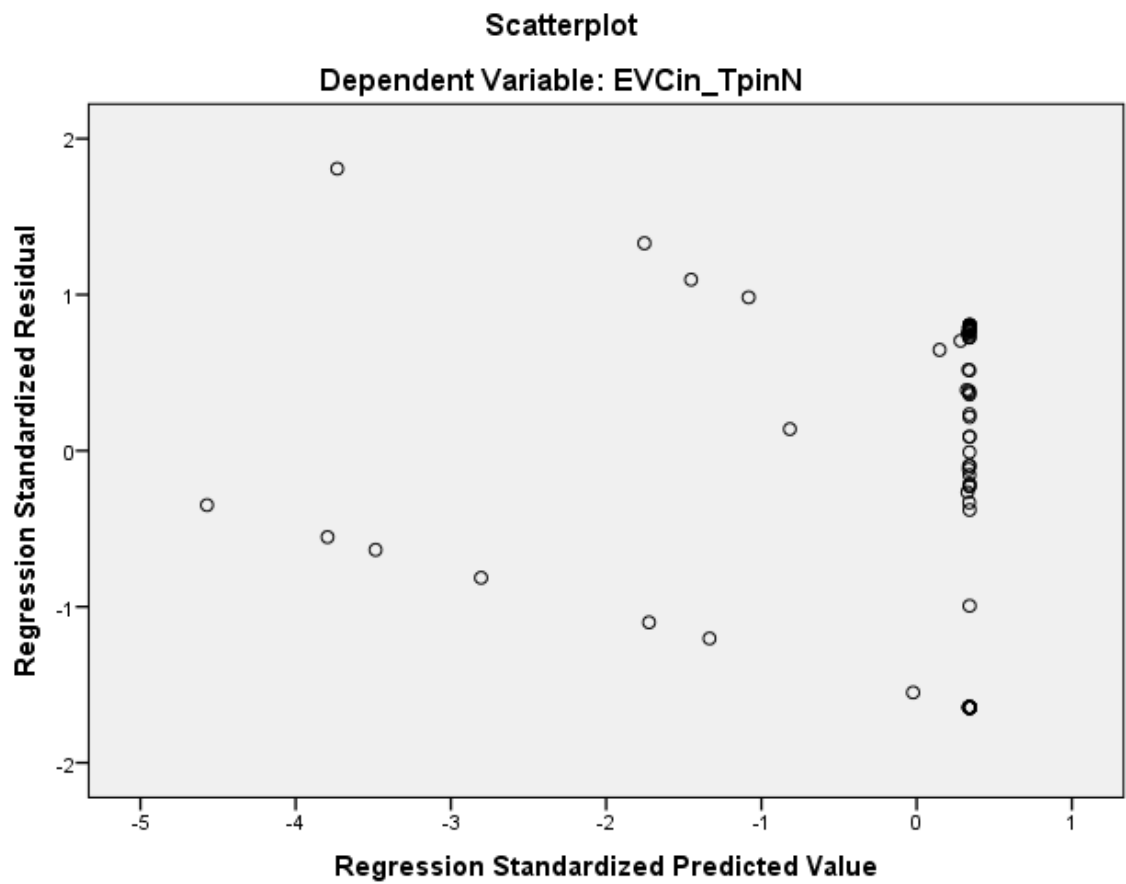
Centered Leverage Value	.000	.232	.011	.037
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Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: EVCin_TpinN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT EVCin_TspinN

/METHOD=STEPWISE PL_TpinN PL_TspinN S_con R_con SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created		05-JUN-2015 14:53:51
Comments		
Input	Active Dataset	DataSet7
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION
		/MISSING LISTWISE
		/STATISTICS COEFF OUTS R ANOVA COLLIN TOL
		/CRITERIA=PIN(.05) POUT(.10)
		/NOORIGIN
		/DEPENDENT EVCin_TSpinN
		/METHOD=STEPWISE PL_TpinN PL_TSpinN S_con R_con SMSP_d
		/SCATTERPLOT=(*ZRESID ,*ZPRED)
		/SAVE COOK.
Resources	Processor Time	00:00:00.17
	Elapsed Time	00:00:00.21
	Memory Required	6032 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_4	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
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1	S_con		Stepwise (Criteria: Probability-of- F-to-enter <= . .050, Probability-of- F-to-remove >= .100).
---	-------	--	--

a. Dependent Variable: EVCin_TSpinN

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.322 ^a	.104	.094	.00718294775 2123

a. Predictors: (Constant), S_con

b. Dependent Variable: EVCin_TSpinN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.001	1	.001	10.306	.002 ^b
	Residual	.005	89	.000		

Total	.005	90			
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a. Dependent Variable: EVCin_TSpinN

b. Predictors: (Constant), S_con

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.012	.001		14.845	.000
	S_con	-.076	.024	-.322	-3.210	.002

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	S_con	1.000	1.000

a. Dependent Variable: EVCin_TSpinN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpinN	-.009 ^b	-.089	.929	-.010	1.000	1.000
	PL_TSpinN	.030 ^b	.296	.768	.032	.972	1.029
	R_con	.748 ^b	1.307	.195	.138	.030	32.790
	SMSP_d	-.098 ^b	-.958	.341	-.102	.965	1.036

Excluded Variables^a

Model		Collinearity Statistics	
		Minimum Tolerance	
1	PL_TpinN	1.000	
	PL_TSpinN	.972	
	R_con	.030	
	SMSP_d	.965	

a. Dependent Variable: EVCin_TSpinN

b. Predictors in the Model: (Constant), S_con

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions	
				(Constant)	S_con

1	1	1.325	1.000	.34	.34
	2	.675	1.401	.66	.66

a. Dependent Variable: EVCin_TSpinN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	- .00012098233 1282	.01181918848 3059	.01098901098 9011	.00243065305 9015
Std. Predicted Value	-4.571	.342	.000	1.000
Standard Error of Predicted Value	.001	.004	.001	.000
Adjusted Predicted Value	- .00093291385 5650	.01196619495 7495	.01097699321 6886	.00251196162 2654
Residual	- .01181918848 3059	.01434029079 9737	.00000000000 0000	.00714293101 8743
Std. Residual	-1.645	1.996	.000	.994
Stud. Residual	-1.656	2.186	.001	1.006
Deleted Residual	- .01196619495 7495	.01719000190 4964	.00001201777 2125	.00730961475 9887
Stud. Deleted Residual	-1.672	2.234	-.003	1.012
Mahal. Distance	.001	20.892	.989	3.312

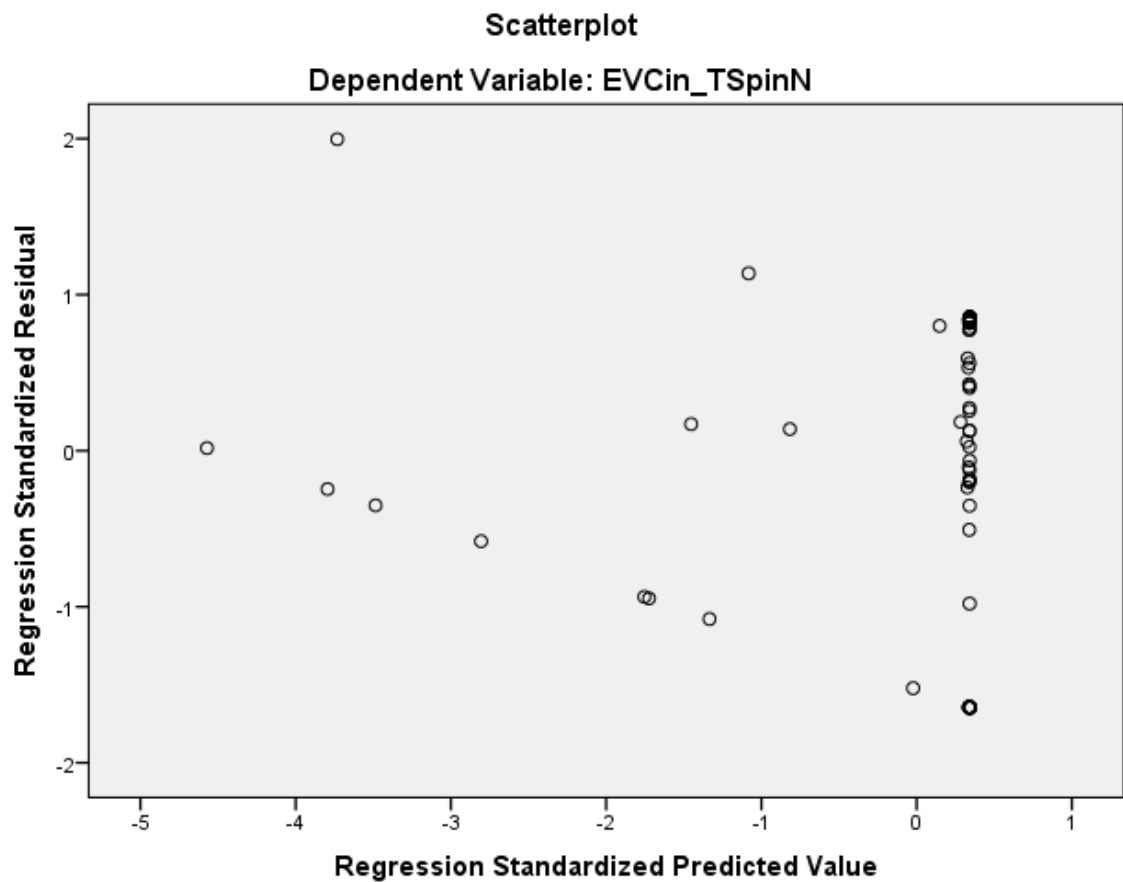
Cook's Distance	.000	.475	.012	.049
Centered Leverage Value	.000	.232	.011	.037

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: EVCin_TSpinN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT ECd

/METHOD=STEPWISE Nodes Edges_d Reciprocity Den_d CC_d GD_d Tpaths_d TSpdN_d
AvgPL_d AvgGL_d PL_TpdN PL_TSpdN S_d R_d SMSP_d

```
/SCATTERPLOT=(*ZRESID ,*ZPRED)
```

```
/SAVE COOK.
```

Regression

Notes

Output Created		05-JUN-2015 14:10:17
Comments		
Input	Active Dataset	DataSet4
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT ECd /METHOD=STEPWISE Nodes Edges_d Reciprocity Den_d CC_d GD_d Tpaths_d TSpdN AvgPL_d AvgGL_d PL_TpdN PL_TSpdN S_d R_d SMSP_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.22
	Elapsed Time	00:00:00.22
	Memory Required	17520 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_9	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	Tpaths_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	Reciprocity		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: ECd

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.555 ^a	.308	.300	.00127698794 3391
2	.613 ^b	.376	.362	.00121877997 8184

a. Predictors: (Constant), Tpaths_d

b. Predictors: (Constant), Tpaths_d, Reciprocity

c. Dependent Variable: ECd

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	39.522	.000 ^b
	Residual	.000	89	.000		
	Total	.000	90			
2	Regression	.000	2	.000	26.546	.000 ^c
	Residual	.000	88	.000		
	Total	.000	90			

a. Dependent Variable: ECd

b. Predictors: (Constant), Tpaths_d

c. Predictors: (Constant), Tpaths_d, Reciprocity

Coefficients^a

Model	Unstandardized Coefficients	Standardized Coefficients	t	Sig.
-------	-----------------------------	---------------------------	---	------

		B	Std. Error	Beta		
1	(Constant)	.014	.001		25.451	.000
	Tpaths_d	-.316	.050	-.555	-6.287	.000
2	(Constant)	.014	.001		25.874	.000
	Tpaths_d	-.277	.050	-.487	-5.603	.000
	Reciprocity	-.015	.005	-.271	-3.115	.002

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	Tpaths_d	1.000	1.000
2	(Constant)		
	Tpaths_d	.938	1.066
	Reciprocity	.938	1.066

a. Dependent Variable: ECd

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	Nodes	.165 ^b	1.442	.153	.152	.585	1.708

	Edges_d	.165 ^b	1.406	.163	.148	.562	1.781
	Reciprocity	-.271 ^b	-3.115	.002	-.315	.938	1.066
	Den_d	.038 ^b	.282	.778	.030	.429	2.332
	CC_d	-.127 ^b	-1.401	.165	-.148	.932	1.073
	GD_d	-.191 ^b	-1.636	.105	-.172	.560	1.784
	TSpaths_d	-.002 ^b	-.003	.998	.000	.024	41.244
	AvgPL_d	-.124 ^b	-.740	.461	-.079	.278	3.593
	AvgGL_d	-.215 ^b	-1.401	.165	-.148	.327	3.056
	PL_TpdN	-.193 ^b	-2.240	.028	-.232	.999	1.001
	PL_TSpdN	-.051 ^b	-.550	.584	-.058	.903	1.107
	S_d	-.184 ^b	-1.741	.085	-.183	.682	1.467
	R_d	-.151 ^b	-1.608	.111	-.169	.867	1.153
	SMSP_d	-.127 ^b	-1.401	.165	-.148	.932	1.073
2	Nodes	.083 ^c	.726	.470	.078	.547	1.828
	Edges_d	.081 ^c	.693	.490	.074	.525	1.904
	Den_d	.197 ^c	1.452	.150	.154	.379	2.637
	CC_d	-.043 ^c	-.460	.647	-.049	.831	1.203
	GD_d	-.154 ^c	-1.366	.176	-.145	.553	1.807
	TSpaths_d	-.729 ^c	-1.256	.212	-.133	.021	47.873
	AvgPL_d	.082 ^c	.469	.640	.050	.236	4.233
	AvgGL_d	-.094 ^c	-.612	.542	-.066	.302	3.314
	PL_TpdN	-.161 ^c	-1.923	.058	-.202	.981	1.020

PL_TSpdN	-.071 ^c	-.796	.428	-.085	.899	1.113
S_d	-.131 ^c	-1.272	.207	-.135	.660	1.515
R_d	-.104 ^c	-1.133	.260	-.121	.839	1.191
SMSP_d	-.043 ^c	-.460	.647	-.049	.831	1.203

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	Nodes	.585
	Edges_d	.562
	Reciprocity	.938
	Den_d	.429
	CC_d	.932
	GD_d	.560
	TSpaths_d	.024
	AvgPL_d	.278
	AvgGL_d	.327
	PL_TpdN	.999
	PL_TSpdN	.903
	S_d	.682
	R_d	.867
	SMSP_d	.932

2	Nodes	.513
	Edges_d	.493
	Den_d	.356
	CC_d	.831
	GD_d	.553
	TSpaths_d	.020
	AvgPL_d	.236
	AvgGL_d	.302
	PL_TpdN	.921
	PL_TSpdN	.860
	S_d	.619
	R_d	.791
	SMSP_d	.831

a. Dependent Variable: ECd

b. Predictors in the Model: (Constant), Tpaths_d

c. Predictors in the Model: (Constant), Tpaths_d, Reciprocity

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	Tpaths_d	Reciprocity

1	1	1.972	1.000	.01	.01	
	2	.028	8.369	.99	.99	
2	1	2.217	1.000	.01	.01	.06
	2	.756	1.712	.01	.00	.89
	3	.027	9.070	.98	.99	.04

a. Dependent Variable: ECd

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00644383346 6619	.01208700705 3196	.01098901098 9011	.00093608839 7734
Std. Predicted Value	-4.856	1.173	.000	1.000
Standard Error of Predicted Value	.000	.001	.000	.000
Adjusted Predicted Value	.00604349514 4695	.01207616087 0492	.01097530542 4513	.00098326841 6620
Residual	- .00499630859 1217	.00242602988 1462	.00000000000 0000	.00120516189 7375
Std. Residual	-4.099	1.991	.000	.989
Stud. Residual	-4.177	2.207	.005	1.016
Deleted Residual	- .00518702203 4079	.00298128090 7989	.00001370556 4498	.00127599480 2718

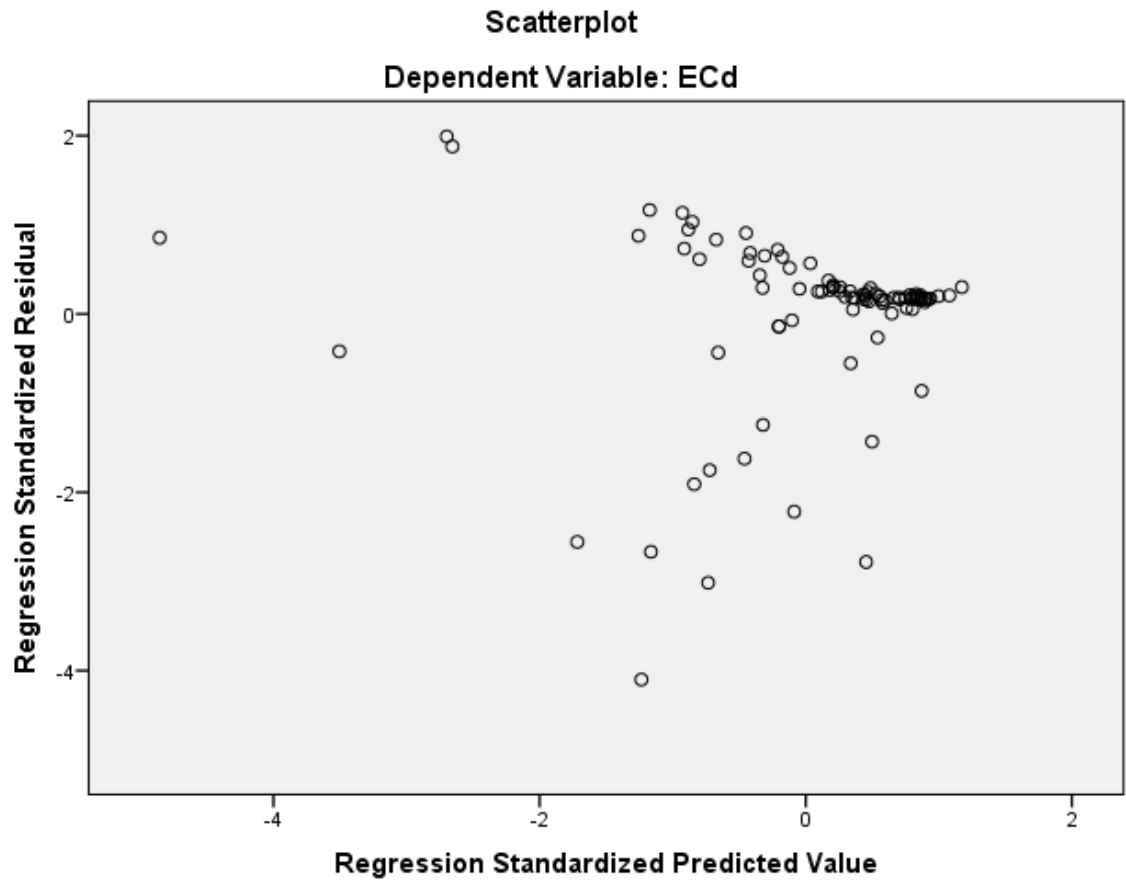
Stud. Deleted Residual	-4.638	2.257	-.006	1.058
Mahal. Distance	.151	23.987	1.978	4.288
Cook's Distance	.000	.371	.021	.060
Centered Leverage Value	.002	.267	.022	.048

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: ECd

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT PL_EVCdN

/METHOD=STEPWISE Nodes Edges_d Reciprocity Den_d CC_d GD_d Tpaths_d TSpaths_d
AvgPL_d AvgGL_d PL_TpdN PL_TSpdN S_d R_d SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

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	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.

Syntax	Cases Used	Statistics are based on cases with no missing values for any variable used.
		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT PL_EVCdN /METHOD=STEPWISE Nodes Edges_d Reciprocity Den_d CC_d GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d PL_TpdN PL_TSpdN S_d R_d SMSP_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.25
	Elapsed Time	00:00:00.23
	Memory Required	17552 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_10	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	Reciprocity		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	GD_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: PL_EVCdN

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.637 ^a	.406	.399	.01325152190 1502
2	.684 ^b	.468	.456	.01261298940 8197

a. Predictors: (Constant), Reciprocity

b. Predictors: (Constant), Reciprocity, GD_d

c. Dependent Variable: PL_EVCdN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.011	1	.011	60.827	.000 ^b
	Residual	.016	89	.000		
	Total	.026	90			
2	Regression	.012	2	.006	38.690	.000 ^c
	Residual	.014	88	.000		
	Total	.026	90			

a. Dependent Variable: PL_EVCdN

b. Predictors: (Constant), Reciprocity

c. Predictors: (Constant), Reciprocity, GD_d

Coefficients^a

Model	Unstandardized Coefficients	Standardized Coefficients	t	Sig.
-------	-----------------------------	---------------------------	---	------

		B	Std. Error	Beta		
1	(Constant)	.007	.001		4.531	.000
	Reciprocity	.385	.049	.637	7.799	.000
2	(Constant)	-.002	.003		-.660	.511
	Reciprocity	.347	.048	.574	7.154	.000
	GD_d	.839	.262	.257	3.200	.002

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	Reciprocity	1.000	1.000
2	(Constant)		
	Reciprocity	.939	1.064
	GD_d	.939	1.064

a. Dependent Variable: PL_EVCdN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	Nodes	.098 ^b	1.198	.234	.127	.999	1.001

	Edges_d	.107 ^b	1.317	.191	.139	1.000	1.000
	Den_d	-.183 ^b	-2.297	.024	-.238	.999	1.001
	CC_d	.090 ^b	1.028	.307	.109	.862	1.161
	GD_d	.257 ^b	3.200	.002	.323	.939	1.064
	Tpaths_d	.187 ^b	2.274	.025	.236	.938	1.066
	TSpaths_d	.183 ^b	2.248	.027	.233	.964	1.037
	AvgPL_d	.160 ^b	1.805	.074	.189	.832	1.203
	AvgGL_d	.150 ^b	1.729	.087	.181	.871	1.148
	PL_TpdN	.103 ^b	1.256	.213	.133	.985	1.015
	PL_TSpdN	.111 ^b	1.355	.179	.143	.980	1.020
	S_d	-.043 ^b	-.523	.602	-.056	1.000	1.000
	R_d	.063 ^b	.771	.443	.082	.995	1.005
	SMSP_d	.090 ^b	1.028	.307	.109	.862	1.161
2	Nodes	.049 ^c	.612	.542	.065	.957	1.044
	Edges_d	.054 ^c	.681	.498	.073	.950	1.053
	Den_d	-.083 ^c	-.940	.350	-.100	.770	1.298
	CC_d	.079 ^c	.941	.349	.100	.860	1.163
	Tpaths_d	.039 ^c	.368	.714	.039	.553	1.810
	TSpaths_d	.040 ^c	.396	.693	.042	.587	1.702
	AvgPL_d	-.093 ^c	-.735	.464	-.079	.376	2.659
	AvgGL_d	-.113 ^c	-.901	.370	-.096	.383	2.610
	PL_TpdN	.025 ^c	.305	.761	.033	.884	1.131

PL_TSpdN	.077 ^c	.968	.336	.103	.960	1.042
S_d	.005 ^c	.066	.948	.007	.963	1.039
R_d	.052 ^c	.659	.511	.071	.993	1.007
SMSP_d	.079 ^c	.941	.349	.100	.860	1.163

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	Nodes	.999
	Edges_d	1.000
	Den_d	.999
	CC_d	.862
	GD_d	.939
	Tpaths_d	.938
	TSpaths_d	.964
	AvgPL_d	.832
	AvgGL_d	.871
	PL_TpdN	.985
	PL_TSpdN	.980
	S_d	1.000
	R_d	.995
	SMSP_d	.862

2	Nodes	.900
	Edges_d	.893
	Den_d	.724
	CC_d	.822
	Tpaths_d	.553
	TSpaths_d	.573
	AvgPL_d	.376
	AvgGL_d	.383
	PL_TpdN	.843
	PL_TSpdN	.911
	S_d	.905
	R_d	.936
	SMSP_d	.822

a. Dependent Variable: PL_EVCdN

b. Predictors in the Model: (Constant), Reciprocity

c. Predictors in the Model: (Constant), Reciprocity, GD_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	Reciprocity	GD_d

1	1	1.364	1.000	.32	.32	
	2	.636	1.464	.68	.68	
2	1	2.171	1.000	.03	.07	.03
	2	.736	1.718	.03	.90	.02
	3	.093	4.819	.94	.03	.95

a. Dependent Variable: PL_EVCdN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00283596967 3470	.05532212182 8794	.01098901098 9011	.01169532689 5855
Std. Predicted Value	-.697	3.791	.000	1.000
Standard Error of Predicted Value	.001	.006	.002	.001
Adjusted Predicted Value	.00229668826 7961	.06061048433 1846	.01102407103 7110	.01182673909 3694
Residual	- .02885200642 0493	.05608216673 1358	.00000000000 0000	.01247205772 8910
Std. Residual	-2.287	4.446	.000	.989
Stud. Residual	-2.333	4.476	-.001	1.010
Deleted Residual	- .03001987002 7900	.05683385208 2491	- .00003506004 8099	.01302107160 1810

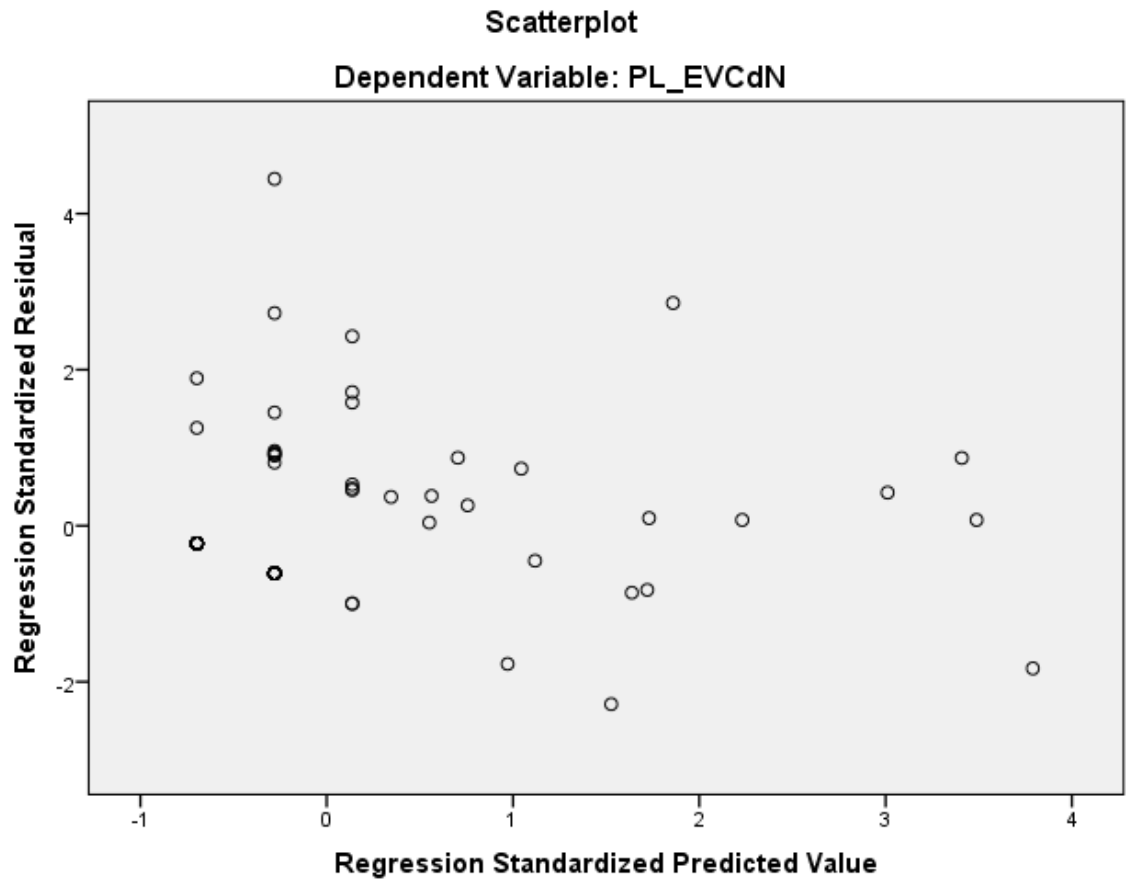
Stud. Deleted Residual	-2.395	5.064	.009	1.054
Mahal. Distance	.201	20.422	1.978	3.738
Cook's Distance	.000	.314	.015	.048
Centered Leverage Value	.002	.227	.022	.042

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: PL_EVCdN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT EVCd_TpdN

/METHOD=STEPWISE Nodes Edges_d Reciprocity Den_d CC_d GD_d Tpaths_d TSpaths_d
AvgPL_d AvgGL_d PL_TpdN PL_TSpdN S_d R_d SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

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	N of Rows in Working Data File	91
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Syntax	Cases Used	Statistics are based on cases with no missing values for any variable used.
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Resources	Processor Time	00:00:00.25
	Elapsed Time	00:00:00.25
	Memory Required	17600 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_11	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	GD_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	PL_TSpdN		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: EVCd_TpdN

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.381 ^a	.145	.135	.00533237147 1644
2	.506 ^b	.256	.239	.00500154995 0533

a. Predictors: (Constant), GD_d

b. Predictors: (Constant), GD_d, PL_TSpdN

c. Dependent Variable: EVCd_TpdN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	15.085	.000 ^b
	Residual	.003	89	.000		
	Total	.003	90			
2	Regression	.001	2	.000	15.155	.000 ^c
	Residual	.002	88	.000		
	Total	.003	90			

a. Dependent Variable: EVCd_TpdN

b. Predictors: (Constant), GD_d

c. Predictors: (Constant), GD_d, PL_TSpdN

Coefficients^a

Model	Unstandardized Coefficients	Standardized Coefficients	t	Sig.
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		B	Std. Error	Beta		
1	(Constant)	.016	.001		11.924	.000
	GD_d	-.417	.107	-.381	-3.884	.000
2	(Constant)	.019	.002		12.246	.000
	GD_d	-.380	.101	-.346	-3.747	.000
	PL_TSpdN	-.354	.098	-.335	-3.628	.000

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	GD_d	1.000	1.000
2	(Constant)		
	GD_d	.989	1.011
	PL_TSpdN	.989	1.011

a. Dependent Variable: EVCd_TpdN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	Nodes	.011 ^b	.112	.911	.012	.964	1.038

	Edges_d	.007 ^b	.066	.947	.007	.955	1.047
	Reciprocity	.079 ^b	.782	.436	.083	.939	1.064
	Den_d	-.064 ^b	-.581	.562	-.062	.791	1.264
	CC_d	.222 ^b	2.297	.024	.238	.983	1.017
	Tpaths_d	.131 ^b	1.004	.318	.106	.560	1.784
	TSpaths_d	.107 ^b	.834	.406	.089	.589	1.699
	AvgPL_d	.195 ^b	1.308	.194	.138	.430	2.327
	AvgGL_d	.237 ^b	1.570	.120	.165	.414	2.414
	PL_TpdN	-.260 ^b	-2.572	.012	-.264	.886	1.129
	PL_TSpdN	-.335 ^b	-3.628	.000	-.361	.989	1.011
	S_d	-.110 ^b	-1.108	.271	-.117	.965	1.036
	R_d	-.187 ^b	-1.931	.057	-.202	.996	1.004
	SMSP_d	.222 ^b	2.297	.024	.238	.983	1.017
	2						
	Nodes	-.109 ^c	-1.102	.273	-.117	.865	1.157
	Edges_d	-.112 ^c	-1.128	.262	-.120	.861	1.161
	Reciprocity	.020 ^c	.209	.835	.022	.911	1.097
	Den_d	.075 ^c	.683	.497	.073	.695	1.438
	CC_d	.152 ^c	1.610	.111	.170	.930	1.075
	Tpaths_d	-.129 ^c	-.903	.369	-.096	.415	2.410
	TSpaths_d	-.129 ^c	-.944	.348	-.101	.456	2.193
	AvgPL_d	-.027 ^c	-.174	.862	-.019	.352	2.844
	AvgGL_d	.050 ^c	.322	.748	.035	.356	2.809

PL_TpdN	.025 ^c	.162	.872	.017	.371	2.692
S_d	.125 ^c	1.096	.276	.117	.649	1.541
R_d	.061 ^c	.498	.620	.053	.559	1.788
SMSP_d	.152 ^c	1.610	.111	.170	.930	1.075

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	Nodes	.964
	Edges_d	.955
	Reciprocity	.939
	Den_d	.791
	CC_d	.983
	Tpaths_d	.560
	TSpaths_d	.589
	AvgPL_d	.430
	AvgGL_d	.414
	PL_TpdN	.886
	PL_TSpdN	.989
	S_d	.965
	R_d	.996
	SMSP_d	.983

2	Nodes	.865
	Edges_d	.861
	Reciprocity	.911
	Den_d	.695
	CC_d	.930
	Tpaths_d	.415
	TSpaths_d	.456
	AvgPL_d	.352
	AvgGL_d	.356
	PL_TpdN	.371
	S_d	.649
	R_d	.556
	SMSP_d	.930

a. Dependent Variable: EVCd_TpdN

b. Predictors in the Model: (Constant), GD_d

c. Predictors in the Model: (Constant), GD_d, PL_TSpdN

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	GD_d	PL_TSpdN

1	1	1.904	1.000	.05	.05	
	2	.096	4.448	.95	.95	
2	1	2.755	1.000	.01	.02	.02
	2	.169	4.032	.00	.51	.59
	3	.075	6.045	.99	.47	.38

a. Dependent Variable: EVCd_TpdN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00436890311 5392	.01684784702 9567	.01098901098 9011	.00290250367 9201
Std. Predicted Value	-2.281	2.019	.000	1.000
Standard Error of Predicted Value	.001	.002	.001	.000
Adjusted Predicted Value	.00368629512 3771	.01707216911 0179	.01098004286 2339	.00293618462 8421
Residual	- .01261048763 9904	.00957978703 0816	.00000000000 0000	.00494566495 6837
Std. Residual	-2.521	1.915	.000	.989
Stud. Residual	-2.550	1.989	.001	1.004
Deleted Residual	- .01290385425 0908	.01032836083 3228	.00000896812 6672	.00510297612 3583

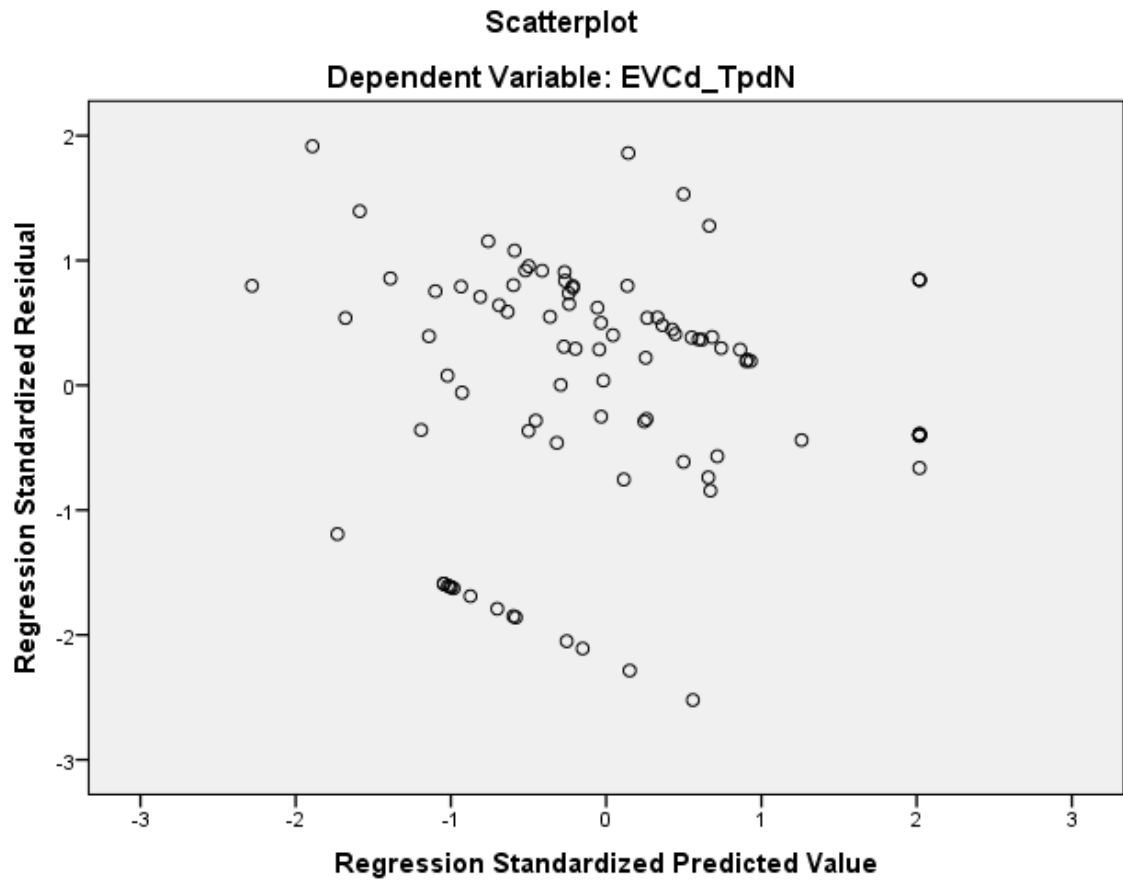
Stud. Deleted Residual	-2.635	2.023	-.003	1.015
Mahal. Distance	.018	17.665	1.978	2.640
Cook's Distance	.000	.103	.011	.017
Centered Leverage Value	.000	.196	.022	.029

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: EVCd_TpdN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT EVCd_TSpdN

/METHOD=STEPWISE Nodes Edges_d Reciprocity Den_d CC_d GD_d Tpaths_d TSpaths_d
AvgPL_d AvgGL_d PL_TpdN PL_TSpdN S_d R_d SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

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	Missing Value Handling	Definition of Missing
		User-defined missing values are treated as missing.

Syntax	Cases Used	Statistics are based on cases with no missing values for any variable used.
		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT EVCd_TSpdN /METHOD=STEPWISE Nodes Edges_d Reciprocity Den_d CC_d GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d PL_TpdN PL_TSpdN S_d R_d SMSP_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.25
	Elapsed Time	00:00:00.22
	Memory Required	17632 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_12	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	GD_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	PL_TSpdN		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: EVCd_TSpdN

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.381 ^a	.145	.135	.00517564256 5090
2	.502 ^b	.252	.235	.00486791176 0627

a. Predictors: (Constant), GD_d

b. Predictors: (Constant), GD_d, PL_TSpdN

c. Dependent Variable: EVCd_TSpdN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	15.093	.000 ^b
	Residual	.002	89	.000		
	Total	.003	90			
2	Regression	.001	2	.000	14.835	.000 ^c
	Residual	.002	88	.000		
	Total	.003	90			

a. Dependent Variable: EVCd_TSpdN

b. Predictors: (Constant), GD_d

c. Predictors: (Constant), GD_d, PL_TSpdN

Coefficients^a

Model	Unstandardized Coefficients	Standardized Coefficients	t	Sig.
-------	-----------------------------	---------------------------	---	------

		B	Std. Error	Beta		
1	(Constant)	.015	.001		12.180	.000
	GD_d	-.405	.104	-.381	-3.885	.000
2	(Constant)	.019	.002		12.385	.000
	GD_d	-.369	.099	-.347	-3.744	.000
	PL_TSpdN	-.338	.095	-.329	-3.551	.001

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	GD_d	1.000	1.000
2	(Constant)		
	GD_d	.989	1.011
	PL_TSpdN	.989	1.011

a. Dependent Variable: EVCd_TSpdN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	Nodes	-.006 ^b	-.056	.956	-.006	.964	1.038

	Edges_d	-.012 ^b	-.120	.905	-.013	.955	1.047
	Reciprocity	.030 ^b	.296	.768	.032	.939	1.064
	Den_d	-.059 ^b	-.529	.598	-.056	.791	1.264
	CC_d	.163 ^b	1.670	.098	.175	.983	1.017
	Tpaths_d	.046 ^b	.347	.729	.037	.560	1.784
	TSpaths_d	.041 ^b	.316	.753	.034	.589	1.699
	AvgPL_d	.056 ^b	.374	.709	.040	.430	2.327
	AvgGL_d	.115 ^b	.755	.452	.080	.414	2.414
	PL_TpdN	-.251 ^b	-2.483	.015	-.256	.886	1.129
	PL_TSpdN	-.329 ^b	-3.551	.001	-.354	.989	1.011
	S_d	-.126 ^b	-1.271	.207	-.134	.965	1.036
	R_d	-.203 ^b	-2.102	.038	-.219	.996	1.004
	SMSP_d	.163 ^b	1.670	.098	.175	.983	1.017
2	Nodes	-.125 ^c	-1.270	.208	-.135	.865	1.157
	Edges_d	-.130 ^c	-1.316	.192	-.140	.861	1.161
	Reciprocity	-.029 ^c	-.301	.764	-.032	.911	1.097
	Den_d	.079 ^c	.715	.477	.076	.695	1.438
	CC_d	.092 ^c	.963	.338	.103	.930	1.075
	Tpaths_d	-.239 ^c	-1.689	.095	-.178	.415	2.410
	TSpaths_d	-.209 ^c	-1.544	.126	-.163	.456	2.193
	AvgPL_d	-.192 ^c	-1.236	.220	-.131	.352	2.844
	AvgGL_d	-.088 ^c	-.565	.573	-.060	.356	2.809

PL_TpdN	.033 ^c	.214	.831	.023	.371	2.692
S_d	.096 ^c	.836	.405	.089	.649	1.541
R_d	.026 ^c	.209	.835	.022	.559	1.788
SMSP_d	.092 ^c	.963	.338	.103	.930	1.075

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	Nodes	.964
	Edges_d	.955
	Reciprocity	.939
	Den_d	.791
	CC_d	.983
	Tpaths_d	.560
	TSpaths_d	.589
	AvgPL_d	.430
	AvgGL_d	.414
	PL_TpdN	.886
	PL_TSpdN	.989
	S_d	.965
	R_d	.996
	SMSP_d	.983

2	Nodes	.865
	Edges_d	.861
	Reciprocity	.911
	Den_d	.695
	CC_d	.930
	Tpaths_d	.415
	TSpaths_d	.456
	AvgPL_d	.352
	AvgGL_d	.356
	PL_TpdN	.371
	S_d	.649
	R_d	.556
	SMSP_d	.930

a. Dependent Variable: EVCd_TSpdN

b. Predictors in the Model: (Constant), GD_d

c. Predictors in the Model: (Constant), GD_d, PL_TSpdN

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	GD_d	PL_TSpdN

1	1	1.904	1.000	.05	.05	
	2	.096	4.448	.95	.95	
2	1	2.755	1.000	.01	.02	.02
	2	.169	4.032	.00	.51	.59
	3	.075	6.045	.99	.47	.38

a. Dependent Variable: EVCd_TSpdN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00454487511 8881	.01660937815 9046	.01098901098 9011	.00279497256 2665
Std. Predicted Value	-2.306	2.011	.000	1.000
Standard Error of Predicted Value	.001	.002	.001	.000
Adjusted Predicted Value	.00390536081 9772	.01682584732 7709	.01098878901 1407	.00281554224 9237
Residual	- .01257309131 3243	.00906763598 3229	.00000000000 0000	.00481351997 7930
Std. Residual	-2.583	1.863	.000	.989
Stud. Residual	-2.613	1.875	.000	1.004
Deleted Residual	- .01286558806 8962	.00918299984 1869	.00000022197 7604	.00496308743 3869

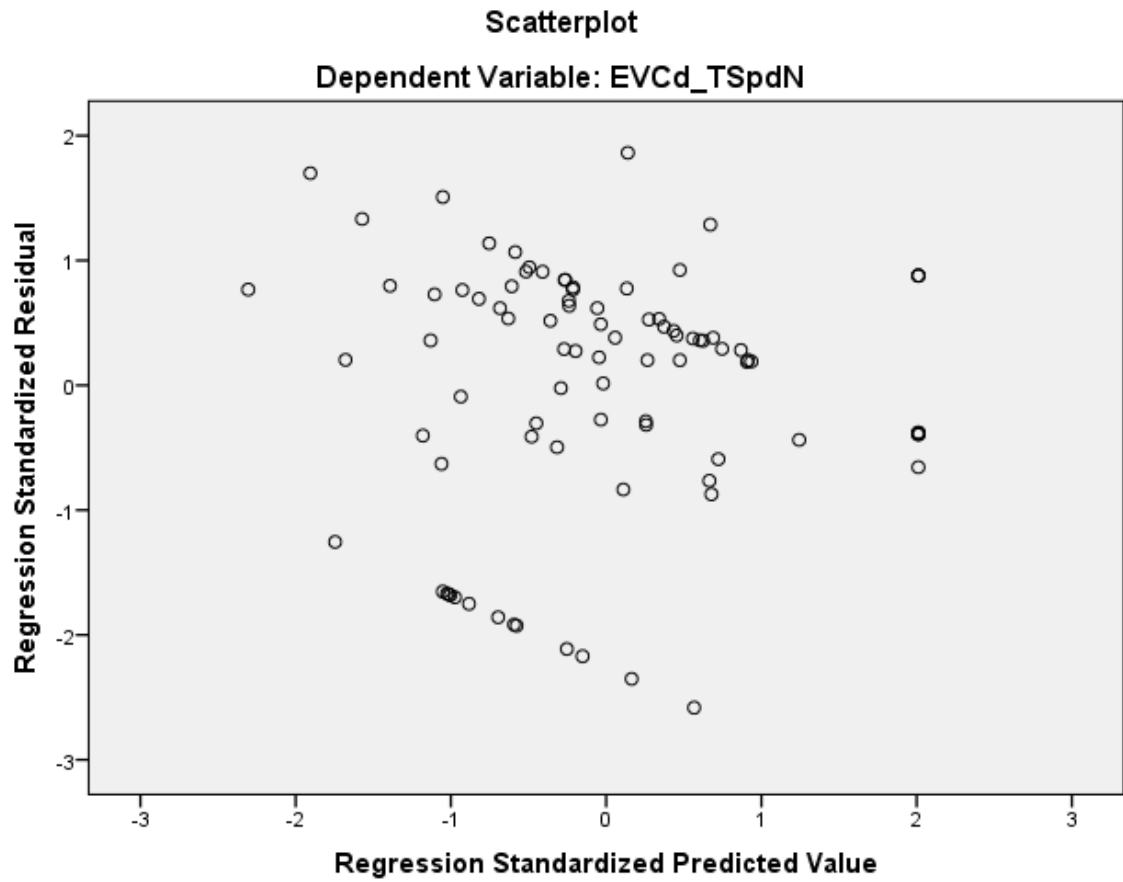
Stud. Deleted Residual	-2.705	1.902	-.005	1.016
Mahal. Distance	.018	17.665	1.978	2.640
Cook's Distance	.000	.081	.010	.015
Centered Leverage Value	.000	.196	.022	.029

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: EVCd_TSpdN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT ECd

/METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

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Syntax	Cases Used	Statistics are based on cases with no missing values for any variable used.	
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	Memory Required	5920 bytes	
	Additional Memory Required for Residual Plots	0 bytes	
Variables Created or Modified	COO_1	Cook's Distance	

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	Tpaths_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: ECd

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.555 ^a	.308	.300	.00127698794 3391

a. Predictors: (Constant), Tpaths_d

b. Dependent Variable: ECd

ANOVA^a

Model	Sum of Squares	df	Mean Square	F	Sig.
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1	Regression	.000	1	.000	39.522	.000 ^b
	Residual	.000	89	.000		
	Total	.000	90			

a. Dependent Variable: ECd

b. Predictors: (Constant), Tpaths_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.014	.001		25.451	.000
	Tpaths_d	-.316	.050	-.555	-6.287	.000

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	Tpaths_d	1.000	1.000

a. Dependent Variable: ECd

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	GD_d	-.191 ^b	-1.636	.105	-.172	.560	1.784
	TSpaths_d	-.002 ^b	-.003	.998	.000	.024	41.244
	AvgPL_d	-.124 ^b	-.740	.461	-.079	.278	3.593
	AvgGL_d	-.215 ^b	-1.401	.165	-.148	.327	3.056

Excluded Variables^a

Model		Collinearity Statistics	
		Minimum Tolerance	
1	GD_d	.560	
	TSpaths_d	.024	
	AvgPL_d	.278	
	AvgGL_d	.327	

a. Dependent Variable: ECd

b. Predictors in the Model: (Constant), Tpaths_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition	Variance Proportions
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		Index	(Constant)	Tpaths_d
1	1	1.972	1.000	.01
	2	.028	8.369	.99

a. Dependent Variable: ECd

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00704266270 6226	.01205641031 2653	.01098901098 9011	.00084622535 3357
Std. Predicted Value	-4.663	1.261	.000	1.000
Standard Error of Predicted Value	.000	.001	.000	.000
Adjusted Predicted Value	.00689276680 3503	.01204468682 4083	.01098557008 4750	.00086477244 2559
Residual	- .00488542672 2467	.00273230066 5230	.00000000000 0000	.00126987374 9076
Std. Residual	-3.826	2.140	.000	.994
Stud. Residual	-3.896	2.313	.001	1.011
Deleted Residual	- .00506742019 2063	.00319234235 2122	.00000344090 4261	.00131245666 1871
Stud. Deleted Residual	-4.254	2.372	-.010	1.046
Mahal. Distance	.000	21.748	.989	2.673

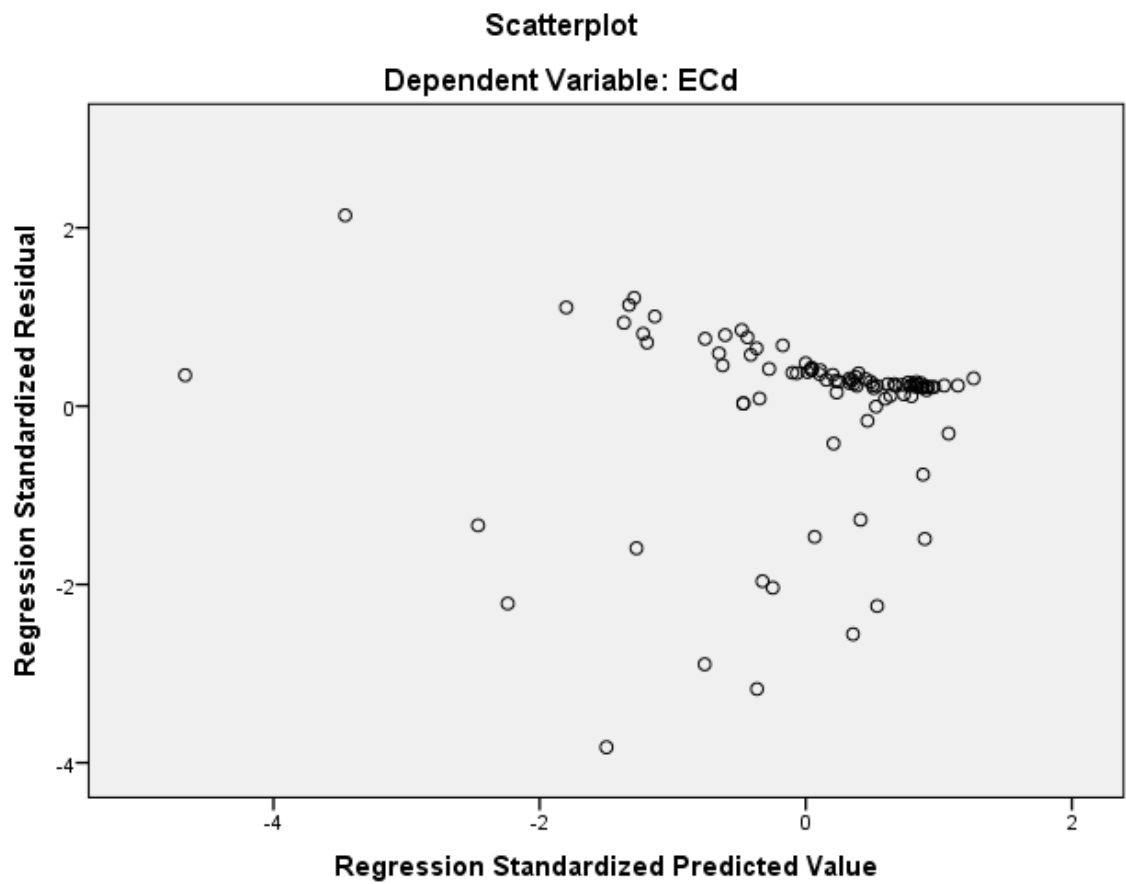
Cook's Distance	.000	.450	.017	.059
Centered Leverage Value	.000	.242	.011	.030

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: ECd

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT PL_EVCdN

/METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION
		/MISSING LISTWISE
		/STATISTICS COEFF OUTS R
		ANOVA COLLIN TOL
		/CRITERIA=PIN(.05) POUT(.10)
		/NOORIGIN
		/DEPENDENT PL_EVCdN
		/METHOD=STEPWISE GD_d
		Tpaths_d TSpaths_d AvgPL_d
		AvgGL_d
		/SCATTERPLOT=(*ZRESID
		,*ZPRED)
		/SAVE COOK.
Resources	Processor Time	00:00:00.20
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	Memory Required	5952 bytes
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	Required for Residual	0 bytes
Plots		
Variables Created or	COO_2	
Modified		Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
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1	GD_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
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a. Dependent Variable: PL_EVCdN

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.398 ^a	.158	.149	.01577307939 6560

a. Predictors: (Constant), GD_d

b. Dependent Variable: PL_EVCdN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.004	1	.004	16.752	.000 ^b
	Residual	.022	89	.000		

Total	.026	90			
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a. Dependent Variable: PL_EVCdN

b. Predictors: (Constant), GD_d

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
1 (Constant)	-.003	.004		-.855	.395
GD_d	1.300	.318	.398	4.093	.000

Coefficients^a

Model	Collinearity Statistics	
	Tolerance	VIF
1 (Constant)		
GD_d	1.000	1.000

a. Dependent Variable: PL_EVCdN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	Tpaths_d	.126 ^b	.971	.334	.103	.560	1.784
	TSpaths_d	.072 ^b	.563	.575	.060	.589	1.699
	AvgPL_d	.218 ^b	1.480	.142	.156	.430	2.327
	AvgGL_d	.132 ^b	.871	.386	.092	.414	2.414

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	Tpaths_d	.560
	TSpaths_d	.589
	AvgPL_d	.430
	AvgGL_d	.414

a. Dependent Variable: PL_EVCdN

b. Predictors in the Model: (Constant), GD_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions	
				(Constant)	GD_d

1	1	1.904	1.000	.05	.05
	2	.096	4.448	.95	.95

a. Dependent Variable: PL_EVCdN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00425890227 7797	.03450284898 2811	.01098901098 9011	.00680493903 3616
Std. Predicted Value	-.989	3.455	.000	1.000
Standard Error of Predicted Value	.002	.006	.002	.001
Adjusted Predicted Value	.00320192310 0278	.04029077664 0177	.01101178644 6690	.00693574516 1689
Residual	- .03450284898 2811	.05692255496 9788	.00000000000 0000	.01568520640 4219
Std. Residual	-2.187	3.609	.000	.994
Stud. Residual	-2.364	3.629	-.001	1.008
Deleted Residual	- .04029077664 0177	.05756466835 7372	- .00002277545 7679	.01613095769 4249
Stud. Deleted Residual	-2.428	3.910	.009	1.039
Mahal. Distance	.015	11.940	.989	1.890
Cook's Distance	.000	.469	.015	.053

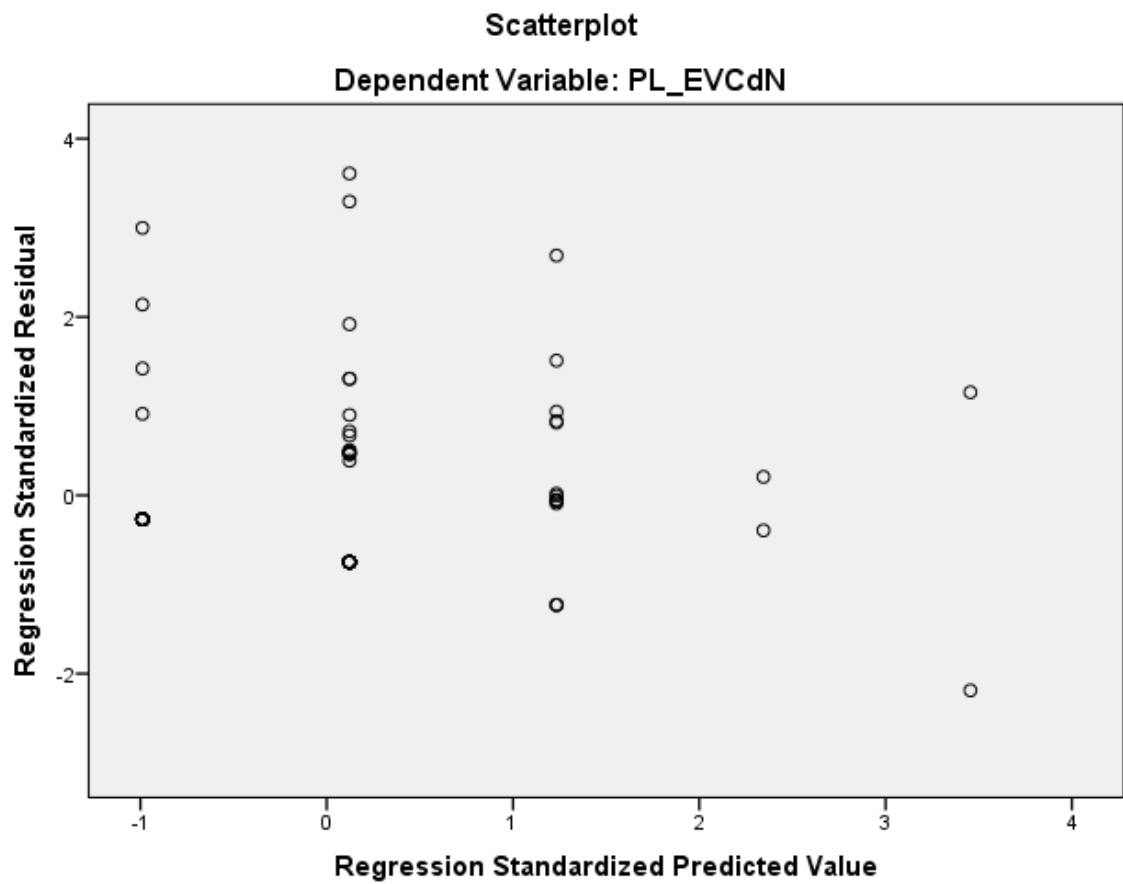
Centered Leverage Value	.000	.133	.011	.021
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Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: PL_EVCdN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT EVCd_TpdN

/METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION
		/MISSING LISTWISE
		/STATISTICS COEFF OUTS R
		ANOVA COLLIN TOL
		/CRITERIA=PIN(.05) POUT(.10)
		/NOORIGIN
		/DEPENDENT EVCd_TpdN
		/METHOD=STEPWISE GD_d
		Tpaths_d TSpaths_d AvgPL_d
		AvgGL_d
		/SCATTERPLOT=(*ZRESID
		,*ZPRED)
		/SAVE COOK.
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	Memory Required	6000 bytes
	Additional Memory	
	Required for Residual	0 bytes
Plots		
Variables Created or	COO_3	
Modified		Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
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1	GD_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
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a. Dependent Variable: EVCd_TpdN

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.381 ^a	.145	.135	.00533237147 1644

a. Predictors: (Constant), GD_d

b. Dependent Variable: EVCd_TpdN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	15.085	.000 ^b
	Residual	.003	89	.000		

Total	.003	90			
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a. Dependent Variable: EVCd_TpdN

b. Predictors: (Constant), GD_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.016	.001		11.924	.000
	GD_d	-.417	.107	-.381	-3.884	.000

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	GD_d	1.000	1.000

a. Dependent Variable: EVCd_TpdN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	Tpaths_d	.131 ^b	1.004	.318	.106	.560	1.784
	TSpaths_d	.107 ^b	.834	.406	.089	.589	1.699
	AvgPL_d	.195 ^b	1.308	.194	.138	.430	2.327
	AvgGL_d	.237 ^b	1.570	.120	.165	.414	2.414

Excluded Variables^a

Model		Collinearity Statistics	
		Minimum Tolerance	
1	Tpaths_d	.560	
	TSpaths_d	.589	
	AvgPL_d	.430	
	AvgGL_d	.414	

a. Dependent Variable: EVCd_TpdN

b. Predictors in the Model: (Constant), GD_d

Collinearity Diagnostics^a

Model Dimension		Eigenvalue	Condition Index	Variance Proportions	
				(Constant)	GD_d

1	1	1.904	1.000	.05	.05
	2	.096	4.448	.95	.95

a. Dependent Variable: EVCd_TpdN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00344554777 2571	.01314809452 7423	.01098901098 9011	.00218308940 6330
Std. Predicted Value	-3.455	.989	.000	1.000
Standard Error of Predicted Value	.001	.002	.001	.000
Adjusted Predicted Value	.00261280825 3616	.01344189513 4747	.01097195636 5632	.00224802330 5071
Residual	- .01314809452 7423	.01179444510 4897	.00000000000 0000	.00530266443 5643
Std. Residual	-2.466	2.212	.000	.994
Stud. Residual	-2.493	2.243	.002	1.007
Deleted Residual	- .01344189513 4747	.01213278807 6997	.00001705462 3378	.00543519709 0220
Stud. Deleted Residual	-2.570	2.297	-.003	1.020
Mahal. Distance	.015	11.940	.989	1.890
Cook's Distance	.000	.125	.013	.023

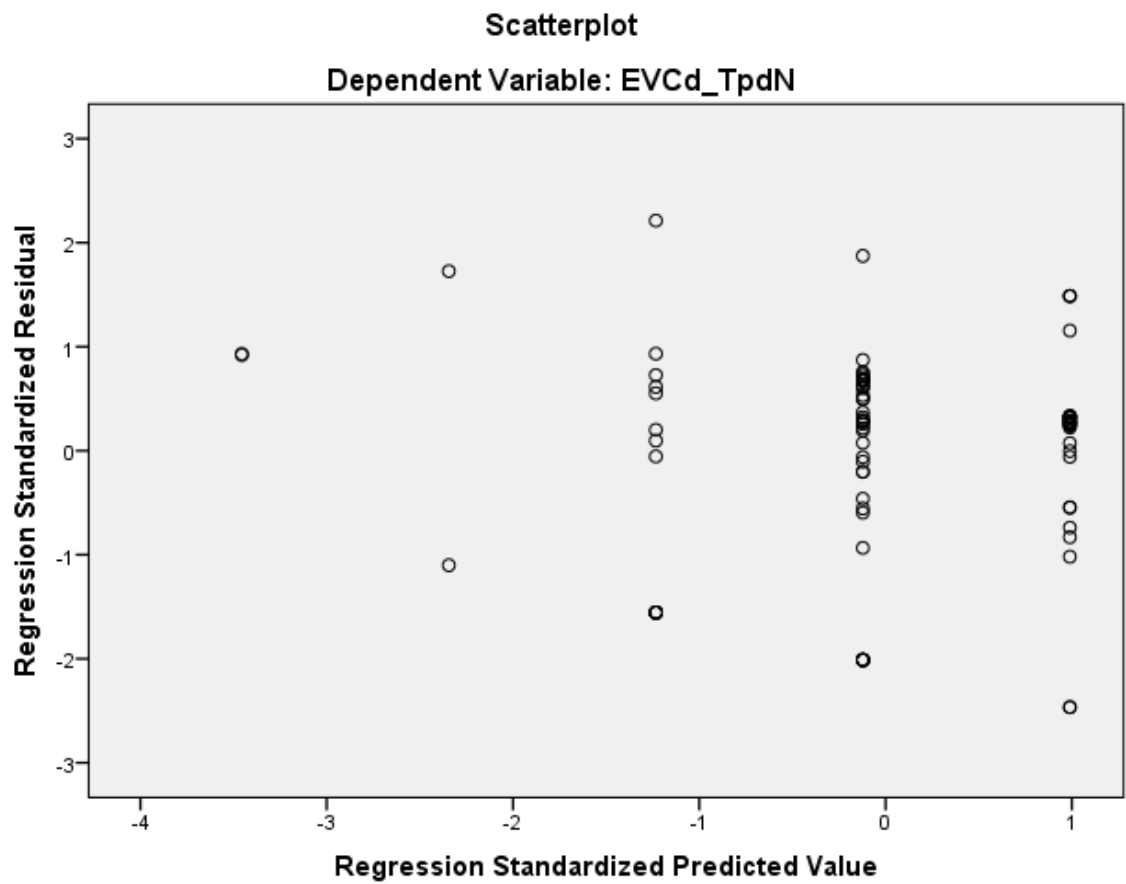
Centered Leverage Value	.000	.133	.011	.021
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Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: EVCd_TpdN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT EVCd_TSpdN

/METHOD=STEPWISE GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

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	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION
		/MISSING LISTWISE
		/STATISTICS COEFF OUTS R
		ANOVA COLLIN TOL
		/CRITERIA=PIN(.05) POUT(.10)
		/NOORIGIN
		/DEPENDENT EVCd_TSpdN
		/METHOD=STEPWISE GD_d
		Tpaths_d TSpaths_d AvgPL_d
		AvgGL_d
		/SCATTERPLOT=(*ZRESID
		,*ZPRED)
		/SAVE COOK.
Resources	Processor Time	00:00:00.22
	Elapsed Time	00:00:00.23
	Memory Required	6032 bytes
	Additional Memory	
	Required for Residual	0 bytes
Plots		
Variables Created or	COO_4	
Modified		Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
-------	----------------------	----------------------	--------

1	GD_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
---	------	--	---

a. Dependent Variable: EVCd_TSpdN

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.381 ^a	.145	.135	.00517564256 5090

a. Predictors: (Constant), GD_d

b. Dependent Variable: EVCd_TSpdN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	15.093	.000 ^b
	Residual	.002	89	.000		

Total	.003	90			
-------	------	----	--	--	--

a. Dependent Variable: EVCd_TSpdN

b. Predictors: (Constant), GD_d

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
1 (Constant)	.015	.001		12.180	.000
GD_d	-.405	.104	-.381	-3.885	.000

Coefficients^a

Model	Collinearity Statistics	
	Tolerance	VIF
1 (Constant)		
GD_d	1.000	1.000

a. Dependent Variable: EVCd_TSpdN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	Tpaths_d	.046 ^b	.347	.729	.037	.560	1.784
	TSpaths_d	.041 ^b	.316	.753	.034	.589	1.699
	AvgPL_d	.056 ^b	.374	.709	.040	.430	2.327
	AvgGL_d	.115 ^b	.755	.452	.080	.414	2.414

Excluded Variables^a

Model		Collinearity Statistics	
		Minimum Tolerance	
1	Tpaths_d	.560	
	TSpaths_d	.589	
	AvgPL_d	.430	
	AvgGL_d	.414	

a. Dependent Variable: EVCd_TSpdN

b. Predictors in the Model: (Constant), GD_d

Collinearity Diagnostics^a

Model Dimension		Eigenvalue	Condition Index	Variance Proportions	
				(Constant)	GD_d

1	1	1.904	1.000	.05	.05
	2	.096	4.448	.95	.95

a. Dependent Variable: EVCd_TSpdN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00366533501 0737	.01308518648 1476	.01098901098 9011	.00211948263 5453
Std. Predicted Value	-3.455	.989	.000	1.000
Standard Error of Predicted Value	.001	.002	.001	.000
Adjusted Predicted Value	.00289149791 9336	.01337758172 3034	.01097763337 5231	.00215987346 5971
Residual	- .01308518648 1476	.00971624813 9739	.00000000000 0000	.00514680867 7423
Std. Residual	-2.528	1.877	.000	.994
Stud. Residual	-2.556	1.888	.001	1.006
Deleted Residual	- .01337758172 3034	.00982585176 8255	.00001137761 3780	.00526483190 3191
Stud. Deleted Residual	-2.641	1.916	-.004	1.019
Mahal. Distance	.015	11.940	.989	1.890
Cook's Distance	.000	.098	.012	.020

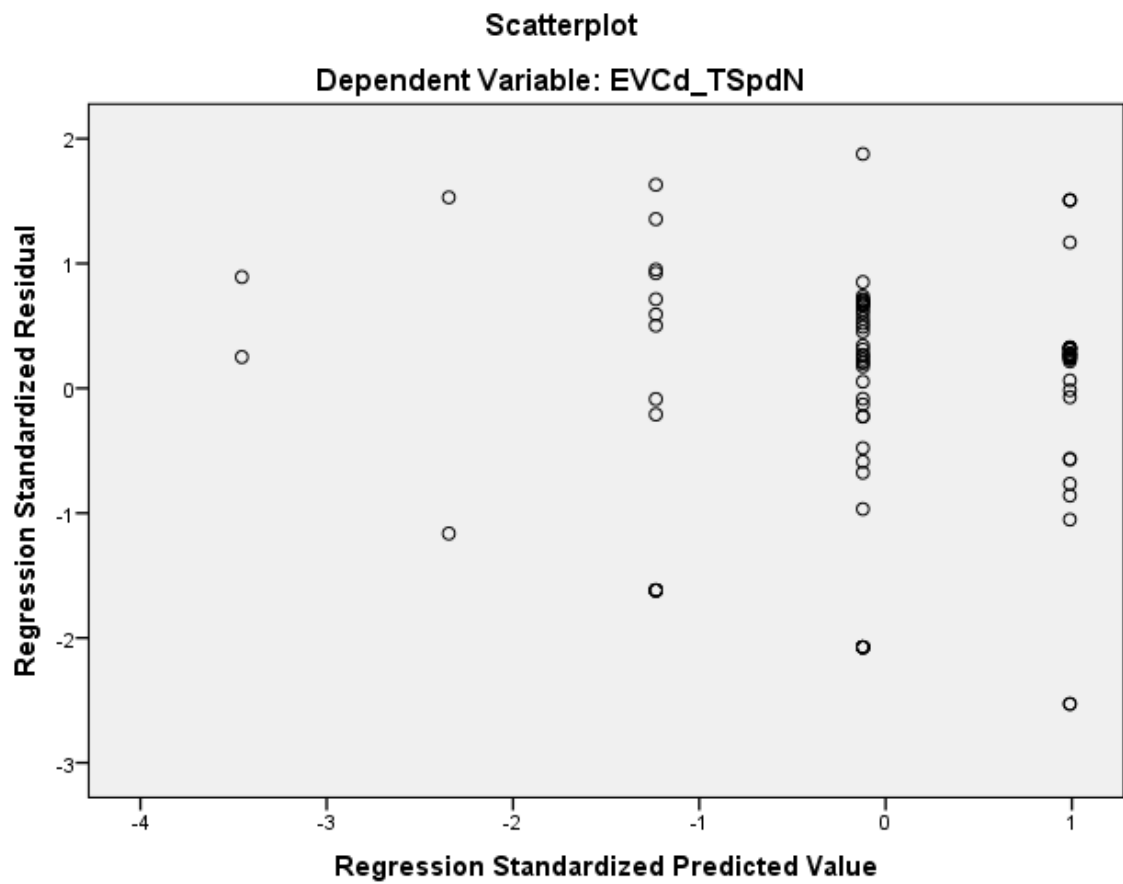
Centered Leverage Value	.000	.133	.011	.021
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Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: EVCd_TSpdN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT PL_TpdN

/METHOD=STEPWISE GD_d Tpaths_d TSpdN_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created		05-JUN-2015 13:56:34
Comments		
Input	Active Dataset	DataSet3
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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION
		/MISSING LISTWISE
		/STATISTICS COEFF OUTS R
		ANOVA COLLIN TOL
		/CRITERIA=PIN(.05) POUT(.10)
		/NOORIGIN
		/DEPENDENT PL_TpdN
		/METHOD=STEPWISE GD_d
		Tpaths_d TSpaths_d AvgPL_d
		AvgGL_d
		/SCATTERPLOT=(*ZRESID
		,*ZPRED)
		/SAVE COOK.
Resources	Processor Time	00:00:00.22
	Elapsed Time	00:00:00.20
	Memory Required	5920 bytes
	Additional Memory	
	Required for Residual	0 bytes
Variables Created or Modified	Plots	
	COO_1	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
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1	GD_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	TSpaths_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
3	Tpaths_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: PL_TpdN

Model Summary^d

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
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1	.338 ^a	.114	.104	.00478911607 5009
2	.520 ^b	.270	.253	.00437205994 7856
3	.551 ^c	.303	.279	.00429506381 8661

a. Predictors: (Constant), GD_d

b. Predictors: (Constant), GD_d, TSpaths_d

c. Predictors: (Constant), GD_d, TSpaths_d, Tpaths_d

d. Dependent Variable: PL_TpdN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	11.461	.001 ^b
	Residual	.002	89	.000		
	Total	.002	90			
2	Regression	.001	2	.000	16.271	.000 ^c
	Residual	.002	88	.000		
	Total	.002	90			
3	Regression	.001	3	.000	12.634	.000 ^d
	Residual	.002	87	.000		

Total	.002	90			
-------	------	----	--	--	--

a. Dependent Variable: PL_TpdN

b. Predictors: (Constant), GD_d

c. Predictors: (Constant), GD_d, TSpaths_d

d. Predictors: (Constant), GD_d, TSpaths_d, Tpaths_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.007	.001		6.308	.000
	GD_d	.327	.096	.338	3.385	.001
2	(Constant)	.016	.002		7.153	.000
	GD_d	.646	.115	.668	5.625	.000
	TSpaths_d	-1.076	.248	-.515	-4.335	.000
3	(Constant)	.018	.002		7.453	.000
	GD_d	.587	.116	.607	5.045	.000
	TSpaths_d	-3.499	1.210	-1.674	-2.893	.005
	Tpaths_d	2.291	1.120	1.213	2.045	.044

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	GD_d	1.000	1.000
2	(Constant)		
	GD_d	.589	1.699
	TSpaths_d	.589	1.699
3	(Constant)		
	GD_d	.553	1.809
	TSpaths_d	.024	41.808
	Tpaths_d	.023	43.912

a. Dependent Variable: PL_TpdN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	Tpaths_d	-.467 ^b	-3.755	.000	-.372	.560	1.784
	TSpaths_d	-.515 ^b	-4.335	.000	-.419	.589	1.699
	AvgPL_d	-.145 ^b	-.952	.344	-.101	.430	2.327
	AvgGL_d	-.260 ^b	-1.694	.094	-.178	.414	2.414

2	Tpaths_d	1.213 ^c	2.045	.044	.214	.023	43.912
	AvgPL_d	.334 ^c	1.959	.053	.206	.276	3.618
	AvgGL_d	.192 ^c	1.070	.288	.114	.256	3.903
3	AvgPL_d	.160 ^d	.588	.558	.063	.109	9.173
	AvgGL_d	.099 ^d	.535	.594	.058	.236	4.233

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	Tpaths_d	.560
	TSpaths_d	.589
	AvgPL_d	.430
	AvgGL_d	.414
2	Tpaths_d	.023
	AvgPL_d	.276
	AvgGL_d	.256
3	AvgPL_d	.009
	AvgGL_d	.021

a. Dependent Variable: PL_TpdN

b. Predictors in the Model: (Constant), GD_d

c. Predictors in the Model: (Constant), GD_d, TSpaths_d

d. Predictors in the Model: (Constant), GD_d, TSpaths_d, Tpaths_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	GD_d	TSpaths_d
1	1	1.904	1.000	.05	.05	
	2	.096	4.448	.95	.95	
2	1	2.882	1.000	.01	.01	.00
	2	.101	5.334	.14	.66	.01
	3	.017	13.057	.85	.32	.99
3	1	3.870	1.000	.00	.01	.00
	2	.103	6.131	.09	.67	.00
	3	.027	12.076	.63	.29	.01
	4	.001	80.990	.27	.03	.99

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions
		Tpaths_d
1	1	
	2	
2	1	
	2	

	3	
3	1	.00
	2	.00
	3	.01
	4	.99

a. Dependent Variable: PL_TpdN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00158106256 2764	.02087566256 5231	.01098901098 9011	.00278728265 3691
Std. Predicted Value	-3.375	3.547	.000	1.000
Standard Error of Predicted Value	.000	.004	.001	.000
Adjusted Predicted Value	.00189366098 4933	.02629130147 3975	.01108770075 2275	.00313065391 2526
Residual	- .01055120863 0204	.01133416499 9425	.00000000000 0000	.00422287273 0676
Std. Residual	-2.457	2.639	.000	.983
Stud. Residual	-2.508	2.666	-.008	1.007
Deleted Residual	- .01217918936 1632	.01160567160 6958	- .00009868976 3264	.00446984534 5403

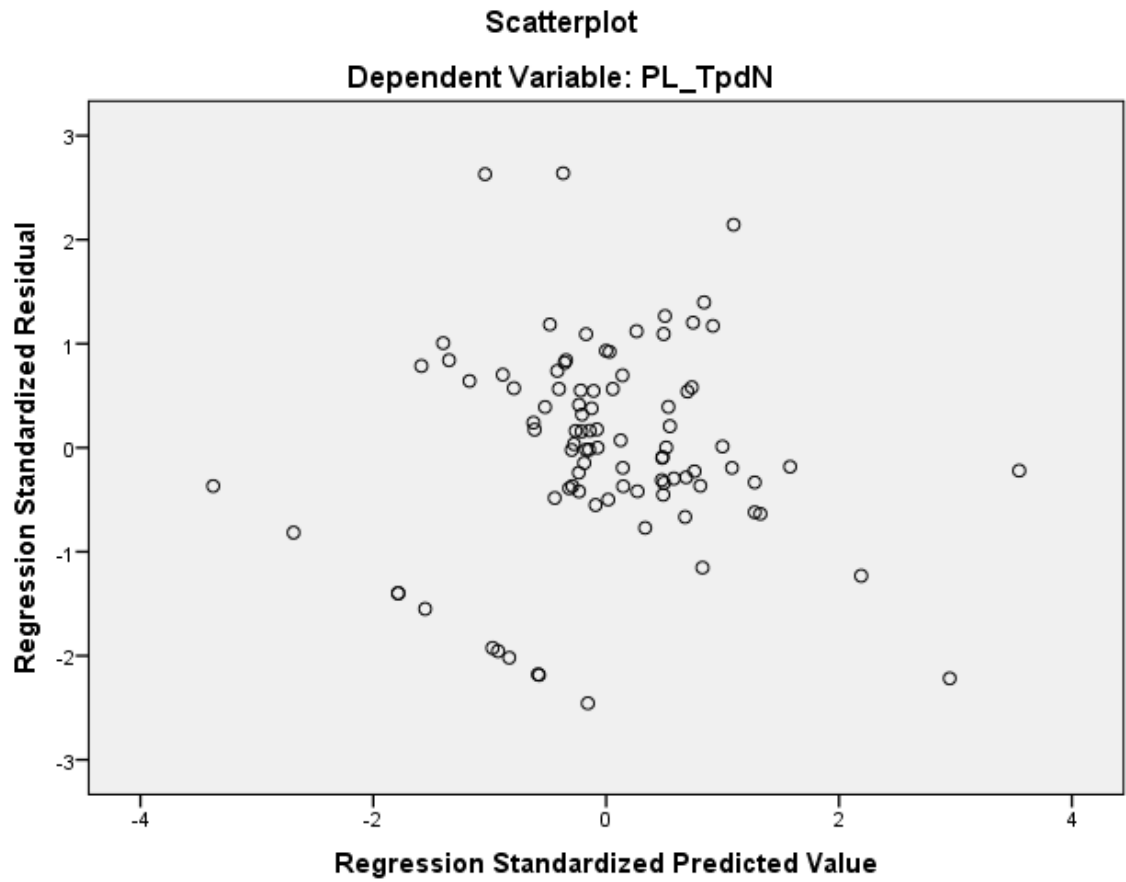
Stud. Deleted Residual	-2.588	2.766	-.010	1.024
Mahal. Distance	.068	75.607	2.967	8.263
Cook's Distance	.000	.467	.017	.067
Centered Leverage Value	.001	.840	.033	.092

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: PL_TpdN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT PL_TSpdN

/METHOD=STEPWISE GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created	05-JUN-2015 13:56:55	
Comments		
Input	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.

		Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax			REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT PL_TSpdN /METHOD=STEPWISE GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time		00:00:00.19
	Elapsed Time		00:00:00.20
	Memory Required		5952 bytes
	Additional Memory Required for Residual Plots		0 bytes
Variables Created or Modified	COO_2		Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	Tpaths_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	GD_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: PL_TSpdN

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.311 ^a	.097	.087	.00518448823 1329
2	.517 ^b	.267	.251	.00469615408 7111

a. Predictors: (Constant), Tpaths_d

b. Predictors: (Constant), Tpaths_d, GD_d

c. Dependent Variable: PL_TSpdN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	9.555	.003 ^b
	Residual	.002	89	.000		
	Total	.003	90			
2	Regression	.001	2	.000	16.058	.000 ^c
	Residual	.002	88	.000		
	Total	.003	90			

a. Dependent Variable: PL_TSpdN

b. Predictors: (Constant), Tpaths_d

c. Predictors: (Constant), Tpaths_d, GD_d

Coefficients^a

Model	Unstandardized Coefficients	Standardized Coefficients	t	Sig.
-------	-----------------------------	---------------------------	---	------

		B	Std. Error	Beta		
1	(Constant)	.018	.002		7.768	.000
	Tpaths_d	-.631	.204	-.311	-3.091	.003
2	(Constant)	.020	.002		9.286	.000
	Tpaths_d	-1.371	.247	-.677	-5.555	.000
	GD_d	.572	.126	.551	4.525	.000

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	Tpaths_d	1.000	1.000
2	(Constant)		
	Tpaths_d	.560	1.784
	GD_d	.560	1.784

a. Dependent Variable: PL_TSpdN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	GD_d	.551 ^b	4.525	.000	.434	.560	1.784

	TSpaths_d	.458 ^b	.706	.482	.075	.024	41.244
	AvgPL_d	.230 ^b	1.206	.231	.127	.278	3.593
	AvgGL_d	.287 ^b	1.647	.103	.173	.327	3.056
2	TSpaths_d	.777 ^c	1.322	.190	.140	.024	41.808
	AvgPL_d	-.197 ^c	-.997	.322	-.106	.213	4.704
	AvgGL_d	-.118 ^c	-.629	.531	-.067	.240	4.173

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	GD_d	.560
	TSpaths_d	.024
	AvgPL_d	.278
	AvgGL_d	.327
2	TSpaths_d	.023
	AvgPL_d	.213
	AvgGL_d	.240

a. Dependent Variable: PL_TSpdN

b. Predictors in the Model: (Constant), Tpaths_d

c. Predictors in the Model: (Constant), Tpaths_d, GD_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	Tpaths_d	GD_d
1	1	1.972	1.000	.01	.01	
	2	.028	8.369	.99	.99	
2	1	2.881	1.000	.01	.00	.01
	2	.099	5.388	.20	.01	.62
	3	.020	12.022	.79	.99	.36

a. Dependent Variable: PL_TSpdN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00142017961 4797	.01910321786 9997	.01098901098 9011	.00280535930 9929
Std. Predicted Value	-3.411	2.892	.000	1.000
Standard Error of Predicted Value	.000	.002	.001	.000
Adjusted Predicted Value	.00165403843 8573	.02130193449 5568	.01103237004 0926	.00286309819 0170
Residual	- .01188789773 7324	.01314446795 7318	.00000000000 0000	.00464368144 4800
Std. Residual	-2.531	2.799	.000	.989

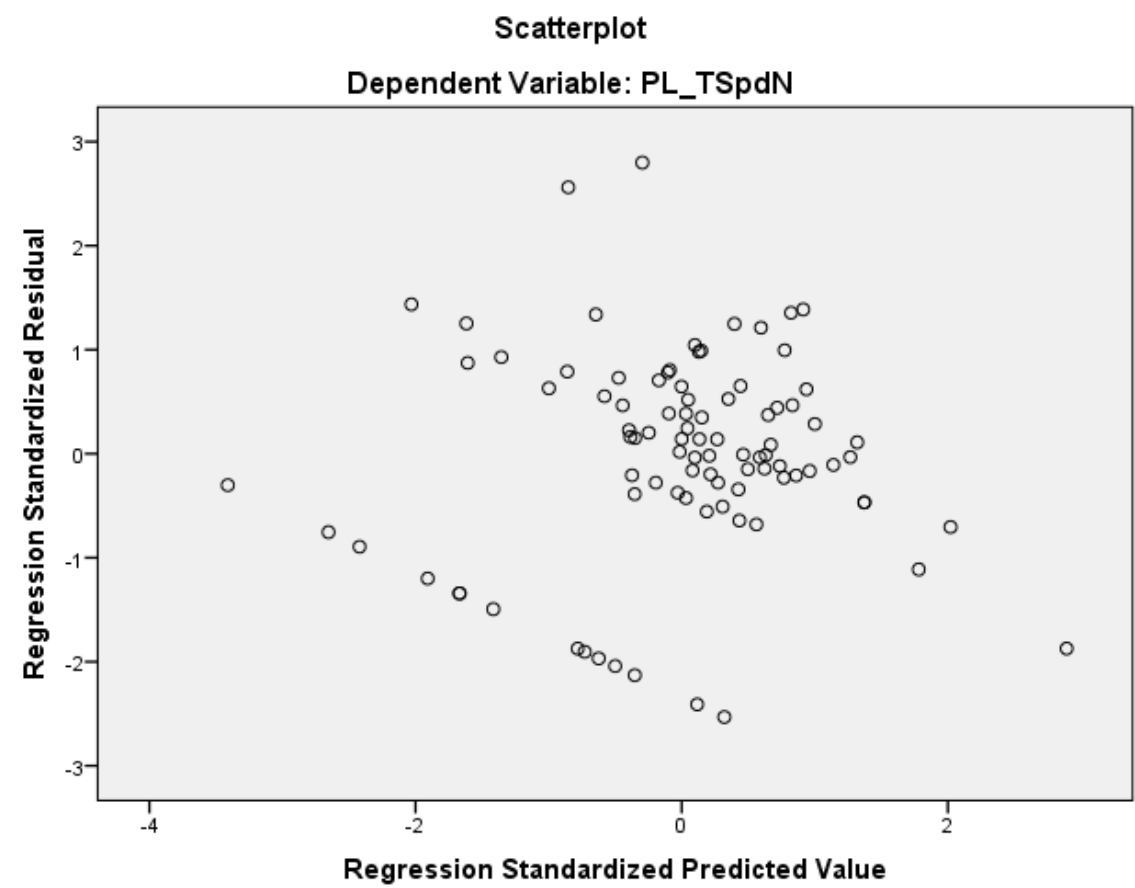
Stud. Residual	-2.568	2.816	-.004	1.010
Deleted Residual	-	.01330866664	-	.00485111170
	.01222975552	6481	.00004335905	5062
	0821		1915	
Stud. Deleted Residual	-2.654	2.936	-.006	1.026
Mahal. Distance	.015	21.984	1.978	3.390
Cook's Distance	.000	.365	.016	.044
Centered Leverage Value	.000	.244	.022	.038

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: PL_TSpdN

Charts



REGRESSION

```

/MISSING LISTWISE
/STATISTICS COEFF OUTS R ANOVA COLLIN TOL
/CRITERIA=PIN(.05) POUT(.10)
/NOORIGIN
/DEPENDENT S_d
/METHOD=STEPWISE GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d
/SCATTERPLOT=(*ZRESID ,*ZPRED)
/SAVE COOK.

```

Regression

Notes

Output Created		05-JUN-2015 13:57:25
Comments		
Input	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>

	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT S_d /METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.23
	Elapsed Time	00:00:00.23
	Memory Required	6000 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_3	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	TSpaths_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	AvgPL_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: S_d

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.599 ^a	.358	.351	.00506842227 8247

2	.654 ^b	.427	.414	.00481576833 3997
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a. Predictors: (Constant), TSpaths_d

b. Predictors: (Constant), TSpaths_d, AvgPL_d

c. Dependent Variable: S_d

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.001	1	.001	49.714	.000 ^b
	Residual	.002	89	.000		
	Total	.004	90			
2	Regression	.002	2	.001	32.825	.000 ^c
	Residual	.002	88	.000		
	Total	.004	90			

a. Dependent Variable: S_d

b. Predictors: (Constant), TSpaths_d

c. Predictors: (Constant), TSpaths_d, AvgPL_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.028	.002		11.312	.000
	TSpaths_d	-1.557	.221	-.599	-7.051	.000
2	(Constant)	.031	.002		12.334	.000
	TSpaths_d	-2.421	.338	-.931	-7.152	.000
	AvgPL_d	.645	.198	.423	3.253	.002

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	TSpaths_d	1.000	1.000
2	(Constant)		
	TSpaths_d	.384	2.603
	AvgPL_d	.384	2.603

a. Dependent Variable: S_d

Excluded Variables^a

Model	Beta In	t	Sig.	Partial	Collinearity Statistics
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					Correlation	Tolerance	VIF
1	GD_d	.336 ^b	3.191	.002	.322	.589	1.699
	Tpaths_d	1.123 ^b	2.098	.039	.218	.024	41.244
	AvgPL_d	.423 ^b	3.253	.002	.328	.384	2.603
	AvgGL_d	.388 ^b	2.876	.005	.293	.367	2.727
2	GD_d	.215 ^c	1.759	.082	.185	.424	2.361
	Tpaths_d	-.431 ^c	-.529	.598	-.057	.010	101.416
	AvgGL_d	.069 ^c	.269	.789	.029	.101	9.878

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	GD_d	.589
	Tpaths_d	.024
	AvgPL_d	.384
	AvgGL_d	.367
2	GD_d	.276
	Tpaths_d	.010
	AvgGL_d	.101

a. Dependent Variable: S_d

b. Predictors in the Model: (Constant), TSpats_d

c. Predictors in the Model: (Constant), TSpats_d, AvgPL_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	TSpaths_d	AvgPL_d
1	1	1.977	1.000	.01	.01	
	2	.023	9.240	.99	.99	
2	1	2.925	1.000	.00	.00	.01
	2	.063	6.795	.32	.00	.39
	3	.012	15.859	.68	1.00	.61

a. Dependent Variable: S_d

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	- .00254456419 4977	.01794289983 8090	.01098901098 9011	.00411303858 9445
Std. Predicted Value	-3.290	1.691	.000	1.000
Standard Error of Predicted Value	.001	.003	.001	.000
Adjusted Predicted Value	- .00322330766 3575	.01719803735 6138	.01098807018 0444	.00415757577 7066

Residual	- .00755076296 6275	.01599757000 8039	.00000000000 0000	.00476195917 7706
Std. Residual	-1.568	3.322	.000	.989
Stud. Residual	-1.580	3.398	.000	1.005
Deleted Residual	- .00767450826 2426	.01674243248 9991	.00000094080 8567	.00492768394 9341
Stud. Deleted Residual	-1.593	3.625	.006	1.024
Mahal. Distance	.013	41.271	1.978	4.919
Cook's Distance	.000	.179	.012	.031
Centered Leverage Value	.000	.459	.022	.055

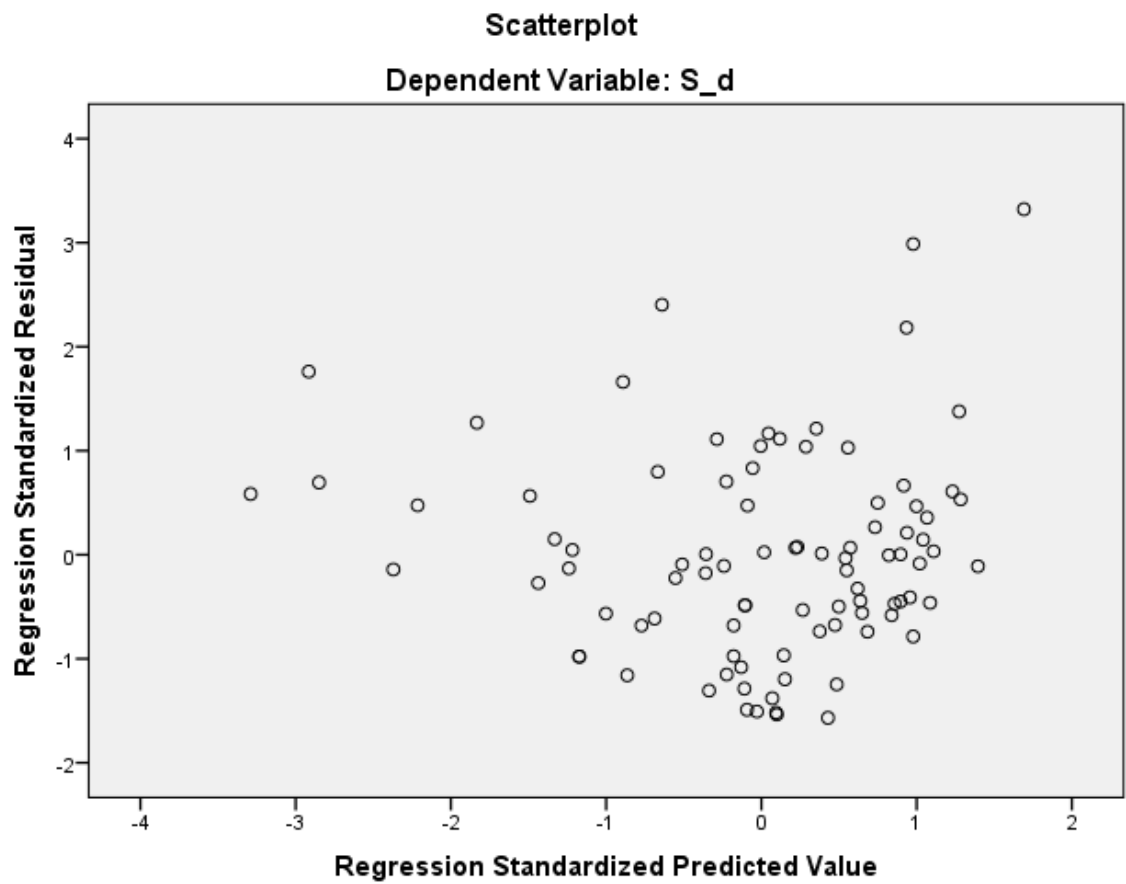
Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91

Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: S_d

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT R_d

/METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created	05-JUN-2015 14:00:06
Comments	
Input	Active Dataset DataSet3

	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
	Missing Value Handling	Definition of Missing User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT R_d /METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.22
	Elapsed Time	00:00:00.23
	Memory Required	6032 bytes

	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_4	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	TSpaths_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	GD_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: R_d

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.405 ^a	.164	.155	.00047892208 4100
2	.584 ^b	.341	.326	.00042758314 0697

a. Predictors: (Constant), TSpaths_d

b. Predictors: (Constant), TSpaths_d, GD_d

c. Dependent Variable: R_d

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	17.492	.000 ^b
	Residual	.000	89	.000		
	Total	.000	90			
2	Regression	.000	2	.000	22.800	.000 ^c
	Residual	.000	88	.000		
	Total	.000	90			

a. Dependent Variable: R_d

b. Predictors: (Constant), TSpaths_d

c. Predictors: (Constant), TSpaths_d, GD_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.012	.000		50.912	.000
	TSpaths_d	-.087	.021	-.405	-4.182	.000
2	(Constant)	.012	.000		56.681	.000
	TSpaths_d	-.163	.024	-.757	-6.714	.000
	GD_d	.055	.011	.548	4.864	.000

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	TSpaths_d	1.000	1.000
2	(Constant)		
	TSpaths_d	.589	1.699
	GD_d	.589	1.699

a. Dependent Variable: R_d

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	GD_d	.548 ^b	4.864	.000	.460	.589	1.699
	Tpaths_d	1.479 ^b	2.442	.017	.252	.024	41.244
	AvgPL_d	.462 ^b	3.091	.003	.313	.384	2.603
	AvgGL_d	.350 ^b	2.237	.028	.232	.367	2.727
2	Tpaths_d	.866 ^c	1.521	.132	.161	.023	43.912
	AvgPL_d	.142 ^c	.861	.392	.092	.276	3.618
	AvgGL_d	-.045 ^c	-.260	.796	-.028	.256	3.903

Excluded Variables^a

Model		Collinearity Statistics	
		Minimum Tolerance	
1	GD_d	.589	
	Tpaths_d	.024	
	AvgPL_d	.384	
	AvgGL_d	.367	
2	Tpaths_d	.023	

AvgPL_d	.276
AvgGL_d	.256

- a. Dependent Variable: R_d
- b. Predictors in the Model: (Constant), TSpats_d
- c. Predictors in the Model: (Constant), TSpats_d, GD_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	TSpats_d	GD_d
1	1	1.977	1.000	.01	.01	
	2	.023	9.240	.99	.99	
2	1	2.882	1.000	.01	.00	.01
	2	.101	5.334	.14	.01	.66
	3	.017	13.057	.85	.99	.32

- a. Dependent Variable: R_d

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
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Predicted Value	.00989547371 8643	.01169177796 6917	.01098901098 9011	.00030435464 1996
Std. Predicted Value	-3.593	2.309	.000	1.000
Standard Error of Predicted Value	.000	.000	.000	.000
Adjusted Predicted Value	.00989085156 4705	.01191112399 1013	.01098893836 2475	.00031445322 9231
Residual	- .00096095923 8000	.00101117265 8764	.00000000000 0000	.00042280552 5486
Std. Residual	-2.247	2.365	.000	.989
Stud. Residual	-2.491	2.393	.000	1.011
Deleted Residual	- .00118030537 8512	.00103563873 5630	.00000007262 6536	.00044249241 1253
Stud. Deleted Residual	-2.569	2.461	-.001	1.021
Mahal. Distance	.017	15.736	1.978	2.971
Cook's Distance	.000	.472	.016	.053
Centered Leverage Value	.000	.175	.022	.033

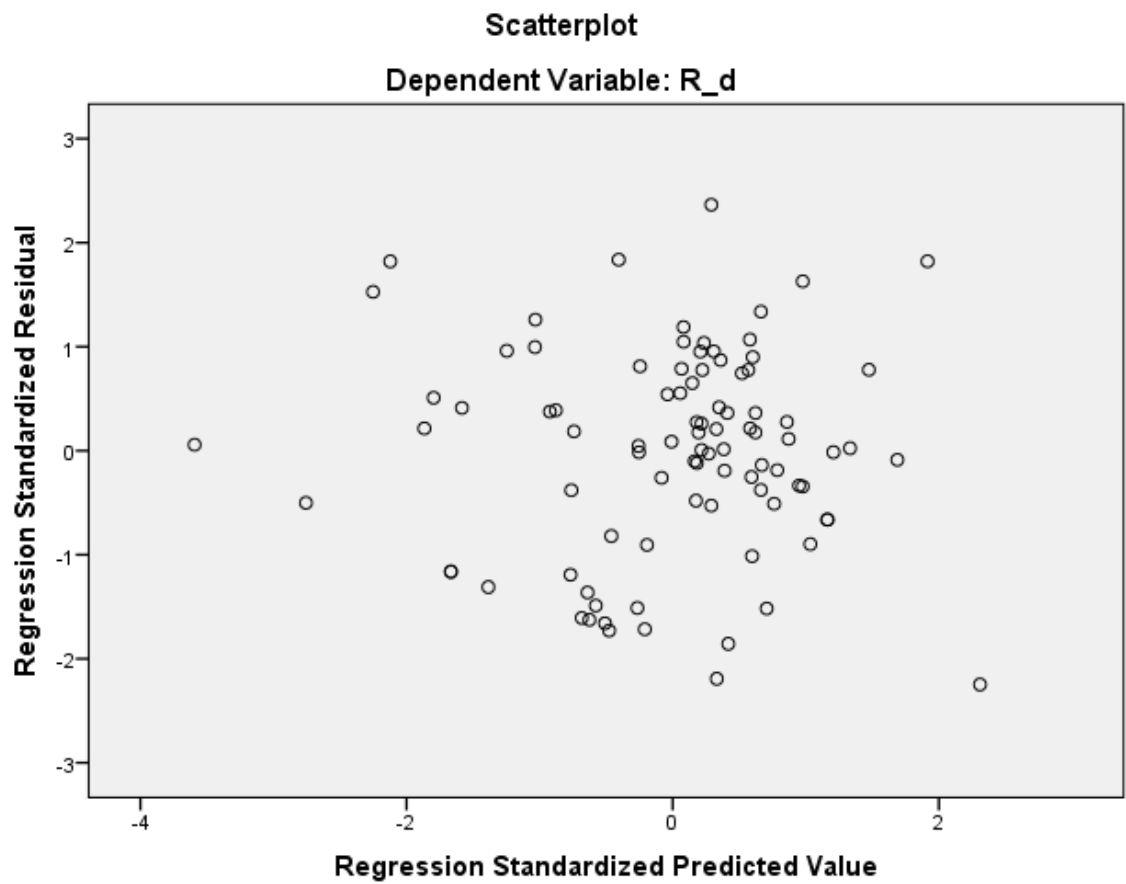
Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91

Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: R_d

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT SMSP_d

/METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created	05-JUN-2015 14:00:37	
Comments		
Input	Active Dataset	DataSet3
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT SMSP_d /METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.20
	Elapsed Time	00:00:00.21
	Memory Required	6080 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_5	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
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1	AvgGL_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	GD_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: SMSP_d

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.382 ^a	.146	.137	.097
2	.458 ^b	.210	.192	.094

a. Predictors: (Constant), AvgGL_d

b. Predictors: (Constant), AvgGL_d, GD_d

c. Dependent Variable: SMSP_d

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.145	1	.145	15.242	.000 ^b
	Residual	.844	89	.009		
	Total	.989	90			
2	Regression	.207	2	.104	11.665	.000 ^c
	Residual	.782	88	.009		
	Total	.989	90			

a. Dependent Variable: SMSP_d

b. Predictors: (Constant), AvgGL_d

c. Predictors: (Constant), AvgGL_d, GD_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-.134	.038		-3.478	.001
	AvgGL_d	13.155	3.370	.382	3.904	.000

2	(Constant)	-.161	.039		-4.168	.000
	AvgGL_d	23.453	5.067	.682	4.629	.000
	GD_d	-7.834	2.950	-.391	-2.655	.009

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	AvgGL_d	1.000	1.000
2	(Constant)		
	AvgGL_d	.414	2.414
	GD_d	.414	2.414

a. Dependent Variable: SMSP_d

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	GD_d	-.391 ^b	-2.655	.009	-.272	.414	2.414
	Tpaths_d	-.161 ^b	-.938	.351	-.100	.327	3.056
	TSpaths_d	-.171 ^b	-1.057	.293	-.112	.367	2.727
	AvgPL_d	-.435 ^b	-1.478	.143	-.156	.109	9.162

2	Tpaths_d	-.120 ^c	-.718	.475	-.077	.324	3.084
	TSpaths_d	-.137 ^c	-.873	.385	-.093	.364	2.746
	AvgPL_d	-.326 ^c	-1.123	.265	-.120	.107	9.385

Excluded Variables^a

Model		Collinearity Statistics	
		Minimum Tolerance	
1	GD_d	.414	
	Tpaths_d	.327	
	TSpaths_d	.367	
	AvgPL_d	.109	
2	Tpaths_d	.240	
	TSpaths_d	.256	
	AvgPL_d	.103	

a. Dependent Variable: SMSP_d

b. Predictors in the Model: (Constant), AvgGL_d

c. Predictors in the Model: (Constant), AvgGL_d, GD_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	AvgGL_d	GD_d

1	1	1.964	1.000	.02	.02	
	2	.036	7.388	.98	.98	
2	1	2.884	1.000	.01	.00	.01
	2	.096	5.471	.32	.00	.41
	3	.019	12.228	.67	1.00	.58

a. Dependent Variable: SMSP_d

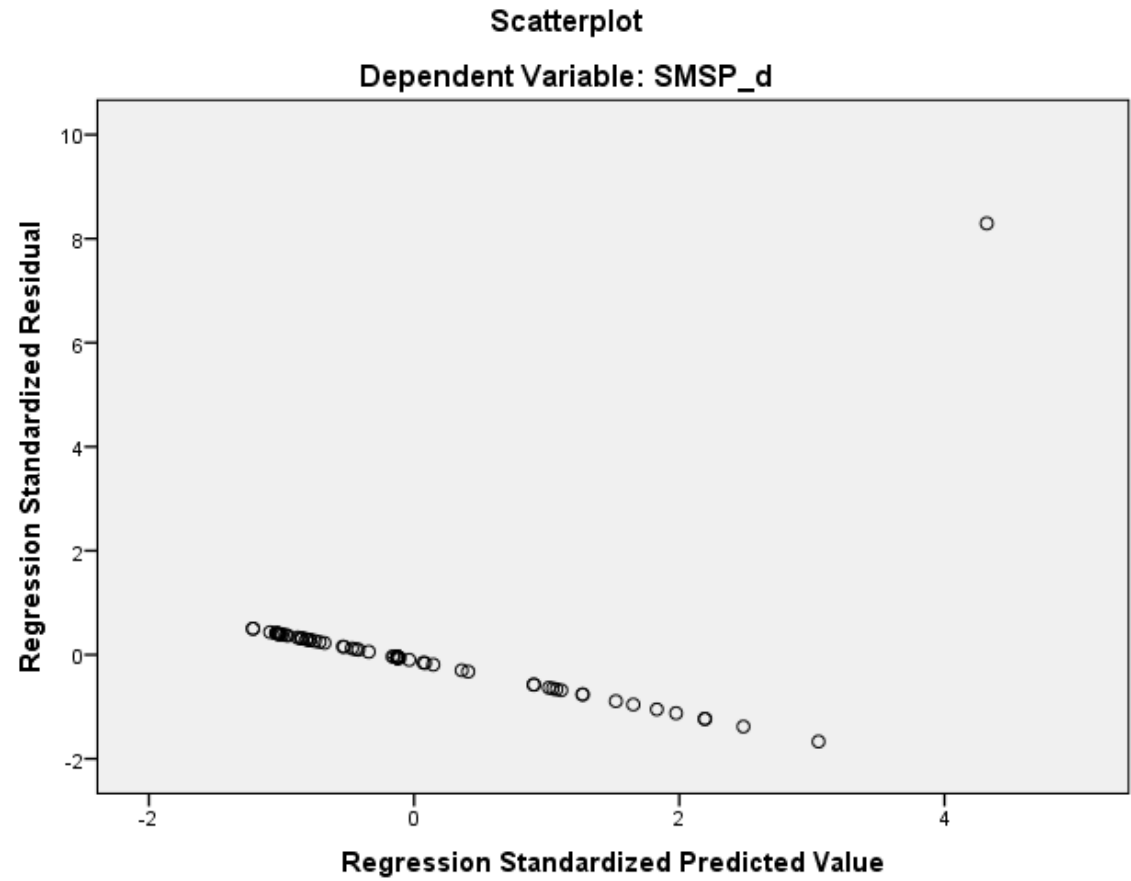
Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	-.05	.22	.01	.048	91
Std. Predicted Value	-1.215	4.319	.000	1.000	91
Standard Error of Predicted Value	.010	.044	.016	.006	91
Adjusted Predicted Value	-.05	.20	.01	.046	91
Residual	-.157	.782	.000	.093	91
Std. Residual	-1.669	8.294	.000	.989	91
Stud. Residual	-1.861	9.381	.007	1.099	91
Deleted Residual	-.195	1.000	.001	.115	91
Stud. Deleted Residual	-1.888	.515	-.098	.474	90
Mahal. Distance	.017	18.653	1.978	2.975	91
Cook's Distance	.000	8.189	.096	.858	91

Centered Leverage Value	.000	.207	.022	.033	91
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a. Dependent Variable: SMSP_d

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT SMSP_d

/METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created	05-JUN-2015 14:03:00	
Comments		
Input	Active Dataset	DataSet3
	Filter	<none>

	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	90
	Missing Value Handling	Definition of Missing User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT SMSP_d /METHOD=STEPWISE GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.02
	Memory Required	6112 bytes

	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_6	Cook's Distance

Warnings

The dependent variable SMSP_d is constant and has been deleted. Statistics cannot be computed.

REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT GD_d

/METHOD=STEPWISE PL_TpdN PL_TSpdN S_d R_d SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created		05-JUN-2015 13:46:20
Comments		
Input	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION
		/MISSING LISTWISE
		/STATISTICS COEFF OUTS R ANOVA COLLIN TOL
		/CRITERIA=PIN(.05) POUT(.10)
		/NOORIGIN
		/DEPENDENT GD_d
		/METHOD=STEPWISE PL_TpdN PL_TSpdN S_d R_d SMSP_d
		/SCATTERPLOT=(*ZRESID ,*ZPRED)
		/SAVE COOK.
Resources	Processor Time	00:00:00.28
	Elapsed Time	00:00:00.25
	Memory Required	5920 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_1	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
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1	PL_TpdN	Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	S_d	Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
3	R_d	Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
4	PL_TSpdN	Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: GD_d

Model Summary^e

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.338 ^a	.114	.104	.00495266731 6159
2	.518 ^b	.269	.252	.00452492106 1294
3	.633 ^c	.400	.380	.00412095126 0616
4	.668 ^d	.446	.420	.00398443733 2655

a. Predictors: (Constant), PL_TpdN

b. Predictors: (Constant), PL_TpdN, S_d

c. Predictors: (Constant), PL_TpdN, S_d, R_d

d. Predictors: (Constant), PL_TpdN, S_d, R_d, PL_TSpdN

e. Dependent Variable: GD_d

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	11.461	.001 ^b
	Residual	.002	89	.000		

	Total	.002	90			
2	Regression	.001	2	.000	16.176	.000 ^c
	Residual	.002	88	.000		
	Total	.002	90			
3	Regression	.001	3	.000	19.368	.000 ^d
	Residual	.001	87	.000		
	Total	.002	90			
4	Regression	.001	4	.000	17.305	.000 ^e
	Residual	.001	86	.000		
	Total	.002	90			

a. Dependent Variable: GD_d

b. Predictors: (Constant), PL_TpdN

c. Predictors: (Constant), PL_TpdN, S_d

d. Predictors: (Constant), PL_TpdN, S_d, R_d

e. Predictors: (Constant), PL_TpdN, S_d, R_d, PL_TSpdN

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
1 (Constant)	.007	.001		5.734	.000

	PL_TpdN	.349	.103	.338	3.385	.001
2	(Constant)	.009	.001		7.332	.000
	PL_TpdN	.568	.107	.550	5.309	.000
	S_d	-.372	.086	-.447	-4.315	.000
3	(Constant)	-.088	.022		-3.968	.000
	PL_TpdN	.345	.110	.334	3.135	.002
	S_d	-1.014	.167	-1.220	-6.086	.000
	R_d	9.706	2.221	.966	4.370	.000
4	(Constant)	-.104	.022		-4.662	.000
	PL_TpdN	.539	.129	.521	4.177	.000
	S_d	-1.051	.162	-1.264	-6.498	.000
	R_d	11.319	2.231	1.127	5.072	.000
	PL_TSpdN	-.340	.128	-.352	-2.658	.009

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	PL_TpdN	1.000	1.000
2	(Constant)		
	PL_TpdN	.775	1.290
	S_d	.775	1.290
3	(Constant)		

	PL_TpdN	.608	1.645
	S_d	.172	5.827
	R_d	.141	7.094
4	(Constant)		
	PL_TpdN	.414	2.418
	S_d	.170	5.870
	R_d	.131	7.661
	PL_TSpdN	.367	2.728

a. Dependent Variable: GD_d

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TSpdN	-.341 ^b	-2.322	.023	-.240	.440	2.271
	S_d	-.447 ^b	-4.315	.000	-.418	.775	1.290
	R_d	-.221 ^b	-1.790	.077	-.187	.637	1.571
	SMSP_d	.134 ^b	1.351	.180	.143	1.000	1.000
2	PL_TSpdN	-.169 ^c	-1.172	.244	-.125	.396	2.526
	R_d	.966 ^c	4.370	.000	.424	.141	7.094
	SMSP_d	.101 ^c	1.108	.271	.118	.993	1.007
3	PL_TSpdN	-.352 ^d	-2.658	.009	-.276	.367	2.728

	SMSP_d	.102 ^d	1.227	.223	.131	.993	1.007
4	SMSP_d	.039 ^e	.454	.651	.049	.895	1.117

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	PL_TSpdN	.440
	S_d	.775
	R_d	.637
	SMSP_d	1.000
2	PL_TSpdN	.396
	R_d	.141
	SMSP_d	.769
3	PL_TSpdN	.131
	SMSP_d	.141
4	SMSP_d	.130

a. Dependent Variable: GD_d

b. Predictors in the Model: (Constant), PL_TpdN

c. Predictors in the Model: (Constant), PL_TpdN, S_d

d. Predictors in the Model: (Constant), PL_TpdN, S_d, R_d

e. Predictors in the Model: (Constant), PL_TpdN, S_d, R_d, PL_TSpdN

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	PL_TpdN	S_d
1	1	1.909	1.000	.05	.05	
	2	.091	4.586	.95	.95	
2	1	2.777	1.000	.02	.02	.02
	2	.135	4.544	.37	.05	.89
	3	.088	5.616	.61	.93	.09
3	1	3.738	1.000	.00	.01	.00
	2	.162	4.801	.00	.01	.15
	3	.100	6.127	.00	.78	.07
	4	.000	148.123	1.00	.20	.77
4	1	4.654	1.000	.00	.00	.00
	2	.175	5.159	.00	.02	.06
	3	.125	6.090	.00	.14	.18
	4	.045	10.131	.00	.79	.01
	5	.000	171.571	1.00	.04	.75

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions	
		R_d	PL_TSpdN
1	1		

	2		
2	1		
	2		
	3		
3	1	.00	
	2	.00	
	3	.00	
	4	1.00	
4	1	.00	.00
	2	.00	.05
	3	.00	.11
	4	.00	.77
	5	1.00	.07

a. Dependent Variable: GD_d

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00431003794 0741	.02709056623 2800	.01098901098 9011	.00349427031 4648
Std. Predicted Value	-1.911	4.608	.000	1.000
Standard Error of Predicted Value	.000	.003	.001	.000

Adjusted Predicted Value	.00210965424 7761	.02566718310 1177	.01096142203 3867	.00352660381 1034
Residual	- .00625084200 8740	.01543751638 3827	.00000000000 0000	.00389488797 9812
Std. Residual	-1.569	3.874	.000	.978
Stud. Residual	-1.673	3.930	.003	1.003
Deleted Residual	- .00719457352 5339	.01588015072 0477	.00002758895 5144	.00411611562 7313
Stud. Deleted Residual	-1.691	4.313	.011	1.032
Mahal. Distance	.078	43.996	3.956	6.482
Cook's Distance	.000	.264	.012	.033
Centered Leverage Value	.001	.489	.044	.072

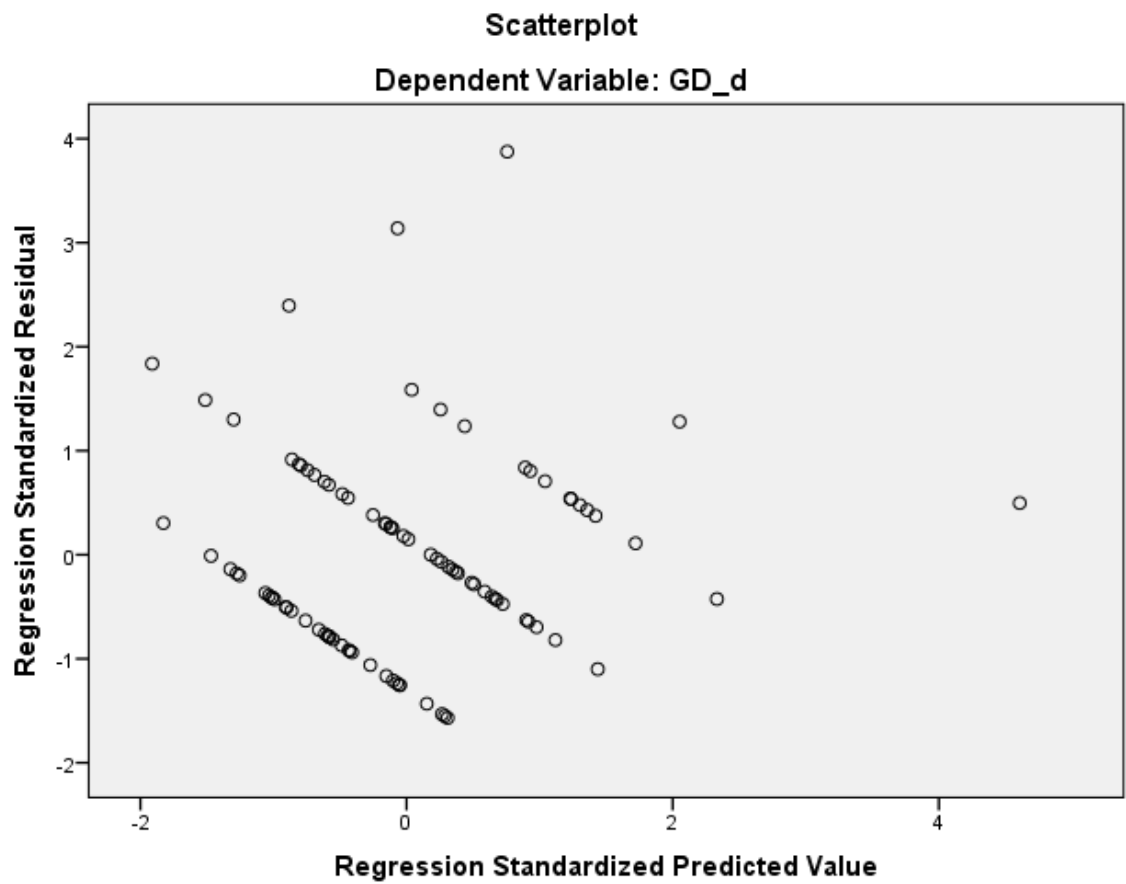
Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91

Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: GD_d

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT Tpaths_d

/METHOD=STEPWISE PL_TpdN PL_TSpdN S_d R_d SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

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	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT Tpaths_d /METHOD=STEPWISE PL_TpdN PL_TSpdN S_d R_d SMSP_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
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Variables Created or Modified	COO_2	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
-------	-------------------	-------------------	--------

1	S_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	R_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
3	SMSP_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
4	PL_TSpdN		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

5	PL_TpdN		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
6		SMSP_d	Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: Tpaths_d

Model Summary^a

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.564 ^a	.318	.311	.00222426405 5644
2	.662 ^b	.438	.425	.00203157882 4695
3	.695 ^c	.483	.465	.00195988249 5006
4	.712 ^d	.507	.484	.00192465790 9474

5	.753 ^e	.568	.542	.00181260856 9205
6	.745 ^f	.555	.534	.00182868610 8805

a. Predictors: (Constant), S_d

b. Predictors: (Constant), S_d, R_d

c. Predictors: (Constant), S_d, R_d, SMSP_d

d. Predictors: (Constant), S_d, R_d, SMSP_d, PL_TSpdN

e. Predictors: (Constant), S_d, R_d, SMSP_d, PL_TSpdN,
PL_TpdN

f. Predictors: (Constant), S_d, R_d, PL_TSpdN, PL_TpdN

g. Dependent Variable: Tpaths_d

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	41.545	.000 ^b
	Residual	.000	89	.000		
	Total	.001	90			
2	Regression	.000	2	.000	34.241	.000 ^c
	Residual	.000	88	.000		
	Total	.001	90			
3	Regression	.000	3	.000	27.047	.000 ^d

	Residual	.000	87	.000		
	Total	.001	90			
4	Regression	.000	4	.000	22.088	.000 ^e
	Residual	.000	86	.000		
	Total	.001	90			
5	Regression	.000	5	.000	22.315	.000 ^f
	Residual	.000	85	.000		
	Total	.001	90			
6	Regression	.000	4	.000	26.783	.000 ^g
	Residual	.000	86	.000		
	Total	.001	90			

- a. Dependent Variable: Tpaths_d
- b. Predictors: (Constant), S_d
- c. Predictors: (Constant), S_d, R_d
- d. Predictors: (Constant), S_d, R_d, SMSP_d
- e. Predictors: (Constant), S_d, R_d, SMSP_d, PL_TSpdN
- f. Predictors: (Constant), S_d, R_d, SMSP_d, PL_TSpdN, PL_TpdN
- g. Predictors: (Constant), S_d, R_d, PL_TSpdN, PL_TpdN

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.014	.000		28.923	.000
	S_d	-.240	.037	-.564	-6.446	.000
2	(Constant)	-.029	.010		-2.937	.004
	S_d	-.554	.080	-1.302	-6.906	.000
	R_d	4.192	.970	.815	4.322	.000
3	(Constant)	-.029	.010		-3.023	.003
	S_d	-.545	.078	-1.279	-7.025	.000
	R_d	4.158	.936	.809	4.444	.000
	SMSP_d	.005	.002	.213	2.749	.007
4	(Constant)	-.039	.011		-3.685	.000
	S_d	-.578	.078	-1.357	-7.424	.000
	R_d	5.252	1.062	1.021	4.944	.000
	SMSP_d	.004	.002	.174	2.220	.029
	PL_TSpdN	-.108	.052	-.218	-2.053	.043
5	(Constant)	-.033	.010		-3.243	.002
	S_d	-.550	.074	-1.292	-7.459	.000
	R_d	4.579	1.019	.890	4.493	.000
	SMSP_d	.003	.002	.120	1.591	.115
	PL_TSpdN	-.233	.061	-.471	-3.801	.000
	PL_TpdN	.208	.060	.392	3.458	.001

6	(Constant)	-.034	.010		-3.354	.001
	S_d	-.558	.074	-1.311	-7.520	.000
	R_d	4.720	1.024	.918	4.609	.000
	PL_TSpdN	-.263	.059	-.533	-4.486	.000
	PL_TpdN	.227	.059	.429	3.837	.000

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	S_d	1.000	1.000
2	(Constant)		
	S_d	.180	5.565
	R_d	.180	5.565
3	(Constant)		
	S_d	.179	5.577
	R_d	.180	5.566
	SMSP_d	.993	1.007
4	(Constant)		
	S_d	.172	5.828
	R_d	.134	7.439
	SMSP_d	.935	1.069
	PL_TSpdN	.507	1.970

5	(Constant)		
	S_d	.170	5.897
	R_d	.130	7.720
	SMSP_d	.895	1.117
	PL_TSpdN	.331	3.024
	PL_TpdN	.396	2.526
6	(Constant)		
	S_d	.170	5.870
	R_d	.131	7.661
	PL_TSpdN	.367	2.728
	PL_TpdN	.414	2.418

a. Dependent Variable: Tpaths_d

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpdN	.296 ^b	3.123	.002	.316	.775	1.290
	PL_TSpdN	-.009 ^b	-.086	.931	-.009	.708	1.413
	R_d	.815 ^b	4.322	.000	.418	.180	5.565
	SMSP_d	.217 ^b	2.549	.013	.262	.994	1.006
2	PL_TpdN	.145 ^c	1.427	.157	.151	.608	1.645

	PL_TSpdN	-.275 ^c	-2.610	.011	-.269	.539	1.855
	SMSP_d	.213 ^c	2.749	.007	.283	.993	1.007
3	PL_TpdN	.138 ^d	1.399	.165	.149	.608	1.646
	PL_TSpdN	-.218 ^d	-2.053	.043	-.216	.507	1.970
4	PL_TpdN	.392 ^e	3.458	.001	.351	.396	2.526
6	SMSP_d	.120 ^f	1.591	.115	.170	.895	1.117

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	PL_TpdN	.775
	PL_TSpdN	.708
	R_d	.180
	SMSP_d	.994
2	PL_TpdN	.141
	PL_TSpdN	.137
	SMSP_d	.179
3	PL_TpdN	.141
	PL_TSpdN	.134
4	PL_TpdN	.130
6	SMSP_d	.130

a. Dependent Variable: Tpaths_d

- b. Predictors in the Model: (Constant), S_d
- c. Predictors in the Model: (Constant), S_d, R_d
- d. Predictors in the Model: (Constant), S_d, R_d, SMSP_d
- e. Predictors in the Model: (Constant), S_d, R_d, SMSP_d, PL_TSpdN
- f. Predictors in the Model: (Constant), S_d, R_d, PL_TSpdN, PL_TpdN

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	S_d	R_d
1	1	1.869	1.000	.07	.07	
	2	.131	3.777	.93	.93	
2	1	2.839	1.000	.00	.00	.00
	2	.161	4.205	.00	.19	.00
	3	.000	115.175	1.00	.81	1.00
3	1	2.851	1.000	.00	.00	.00
	2	.990	1.697	.00	.00	.00
	3	.159	4.238	.00	.19	.00
	4	.000	115.427	1.00	.81	1.00
4	1	3.739	1.000	.00	.00	.00
	2	1.002	1.932	.00	.00	.00
	3	.165	4.755	.00	.12	.00
	4	.094	6.310	.00	.12	.00

	5	.000	151.701	1.00	.75	1.00
5	1	4.661	1.000	.00	.00	.00
	2	1.002	2.157	.00	.00	.00
	3	.170	5.232	.00	.07	.00
	4	.125	6.102	.00	.17	.00
	5	.041	10.599	.00	.01	.00
	6	.000	172.316	1.00	.75	1.00
6	1	4.654	1.000	.00	.00	.00
	2	.175	5.159	.00	.06	.00
	3	.125	6.090	.00	.18	.00
	4	.045	10.131	.00	.01	.00
	5	.000	171.571	1.00	.75	1.00

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions		
		SMSP_d	PL_TSpdN	PL_TpdN
1	1			
	2			
2	1			
	2			
	3			
3	1	.00		
	2	.98		

	3	.01		
	4	.00		
4	1	.00	.01	
	2	.91	.00	
	3	.03	.04	
	4	.04	.71	
	5	.02	.24	
5	1	.00	.00	.00
	2	.87	.00	.00
	3	.03	.04	.02
	4	.00	.10	.15
	5	.09	.78	.80
	6	.01	.08	.03
6	1		.00	.00
	2		.05	.02
	3		.11	.14
	4		.77	.79
	5		.07	.04

a. Dependent Variable: Tpaths_d

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00548768555 7455	.01988276094 1982	.01098901098 9011	.00199515953 9840
Std. Predicted Value	-2.757	4.458	.000	1.000
Standard Error of Predicted Value	.000	.001	.000	.000
Adjusted Predicted Value	.00484952563 4199	.02014220878 4819	.01097427803 9985	.00205231097 1685
Residual	- .00356004503 5556	.00540858972 8177	.00000000000 0000	.00178758679 0652
Std. Residual	-1.947	2.958	.000	.978
Stud. Residual	-2.753	3.162	.005	1.042
Deleted Residual	- .00711778970 4353	.00618711300 1943	.00001473294 9026	.00207586762 4815
Stud. Deleted Residual	-2.866	3.344	.010	1.060
Mahal. Distance	.078	43.996	3.956	6.482
Cook's Distance	.000	1.515	.040	.188
Centered Leverage Value	.001	.489	.044	.072

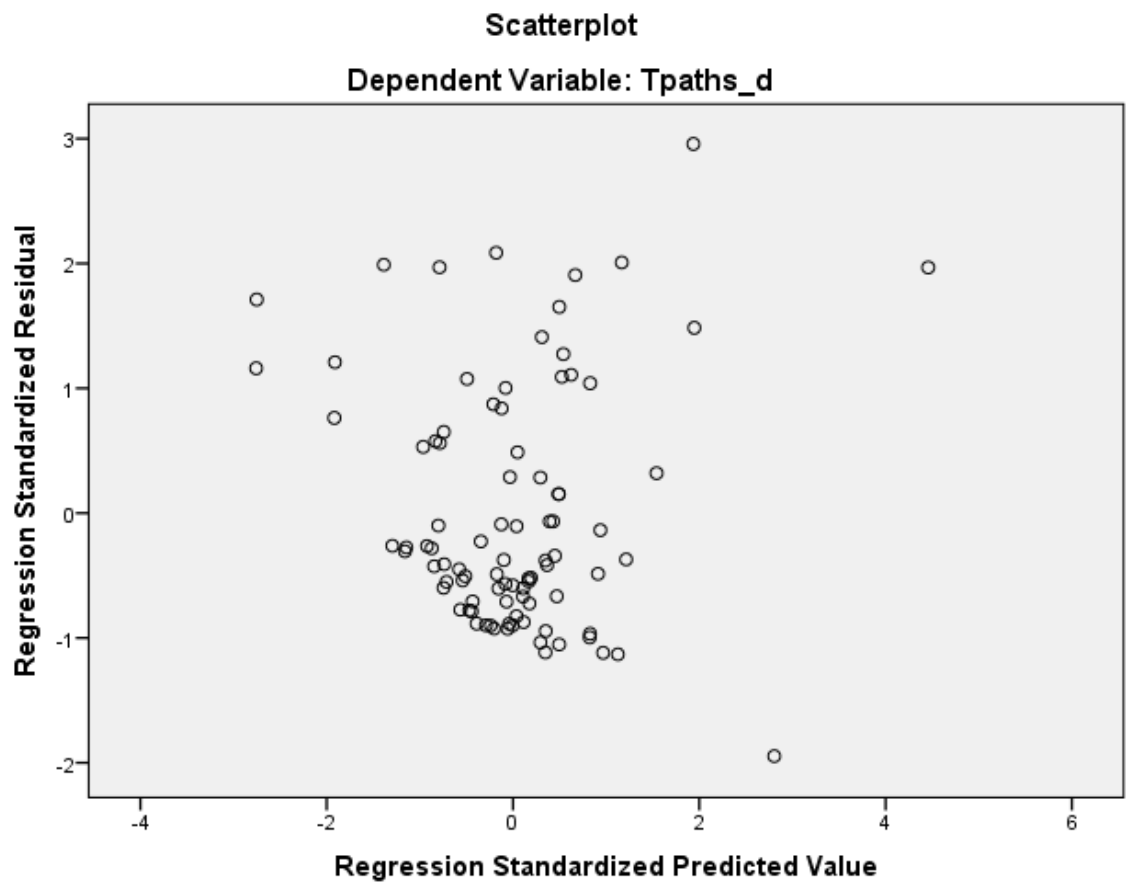
Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91

Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: Tpaths_d

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT TSpdN

/METHOD=STEPWISE PL_TpdN PL_TSpdN S_d R_d SMSP_d

/SCATTERPLOT=(*ZRESID,*ZPRED)

/SAVE COOK.

Regression

Notes

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	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT TSpaths_d /METHOD=STEPWISE PL_TpdN PL_TSpdN S_d R_d SMSP_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
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Variables Created or Modified	COO_3	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
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1	S_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	R_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
3	SMSP_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: TSpats_d

Model Summary^d

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
-------	---	----------	-------------------	----------------------------

1	.599 ^a	.358	.351	.00194926835 4087
2	.680 ^b	.463	.451	.00179383340 6910
3	.706 ^c	.499	.482	.00174239142 0320

a. Predictors: (Constant), S_d

b. Predictors: (Constant), S_d, R_d

c. Predictors: (Constant), S_d, R_d, SMSP_d

d. Dependent Variable: TSpats_d

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	49.714	.000 ^b
	Residual	.000	89	.000		
	Total	.001	90			
2	Regression	.000	2	.000	37.897	.000 ^c
	Residual	.000	88	.000		
	Total	.001	90			
3	Regression	.000	3	.000	28.869	.000 ^d
	Residual	.000	87	.000		

Total	.001	90			
-------	------	----	--	--	--

a. Dependent Variable: TSpats_d

b. Predictors: (Constant), S_d

c. Predictors: (Constant), S_d, R_d

d. Predictors: (Constant), S_d, R_d, SMSP_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.014	.000		32.739	.000
	S_d	-.230	.033	-.599	-7.051	.000
2	(Constant)	-.022	.009		-2.579	.012
	S_d	-.496	.071	-1.289	-6.992	.000
	R_d	3.540	.856	.762	4.134	.000
3	(Constant)	-.022	.008		-2.635	.010
	S_d	-.488	.069	-1.268	-7.076	.000
	R_d	3.513	.832	.756	4.223	.000
	SMSP_d	.004	.002	.191	2.505	.014

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	S_d	1.000	1.000
2	(Constant)		
	S_d	.180	5.565
	R_d	.180	5.565
3	(Constant)		
	S_d	.179	5.577
	R_d	.180	5.566
	SMSP_d	.993	1.007

a. Dependent Variable: TSpdhs_d

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpdN	.255 ^b	2.740	.007	.280	.775	1.290
	PL_TSpdN	.038 ^b	.379	.706	.040	.708	1.413
	R_d	.762 ^b	4.134	.000	.403	.180	5.565
	SMSP_d	.195 ^b	2.346	.021	.243	.994	1.006

2	PL_TpdN	.108 ^c	1.079	.284	.115	.608	1.645
	PL_TSpdN	-.196 ^c	-1.865	.065	-.196	.539	1.855
	SMSP_d	.191 ^c	2.505	.014	.259	.993	1.007
3	PL_TpdN	.101 ^d	1.038	.302	.111	.608	1.646
	PL_TSpdN	-.142 ^d	-1.334	.186	-.142	.507	1.970

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	PL_TpdN	.775
	PL_TSpdN	.708
	R_d	.180
	SMSP_d	.994
2	PL_TpdN	.141
	PL_TSpdN	.137
	SMSP_d	.179
3	PL_TpdN	.141
	PL_TSpdN	.134

a. Dependent Variable: TSpdN_d

b. Predictors in the Model: (Constant), S_d

c. Predictors in the Model: (Constant), S_d, R_d

d. Predictors in the Model: (Constant), S_d, R_d, SMSP_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	S_d	R_d
1	1	1.869	1.000	.07	.07	
	2	.131	3.777	.93	.93	
2	1	2.839	1.000	.00	.00	.00
	2	.161	4.205	.00	.19	.00
	3	.000	115.175	1.00	.81	1.00
3	1	2.851	1.000	.00	.00	.00
	2	.990	1.697	.00	.00	.00
	3	.159	4.238	.00	.19	.00
	4	.000	115.427	1.00	.81	1.00

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions
		SMSP_d
1	1	
	2	
2	1	
	2	

	3	
3	1	.00
	2	.98
	3	.01
	4	.00

a. Dependent Variable: TSpaths_d

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00452810013 6667	.01650656387 2099	.01098901098 9011	.00170924628 1567
Std. Predicted Value	-3.780	3.228	.000	1.000
Standard Error of Predicted Value	.000	.002	.000	.000
Adjusted Predicted Value	.00380715378 5601	.01435695961 1177	.01089951651 7158	.00163916176 2764
Residual	- .00197562086 3959	.00498540839 1804	.00000000000 0000	.00171310544 5155
Std. Residual	-1.134	2.861	.000	.983
Stud. Residual	-1.142	3.003	.008	1.016
Deleted Residual	- .00200413702 9871	.00549231376 4989	.00002818833 8535	.00182084740 5044

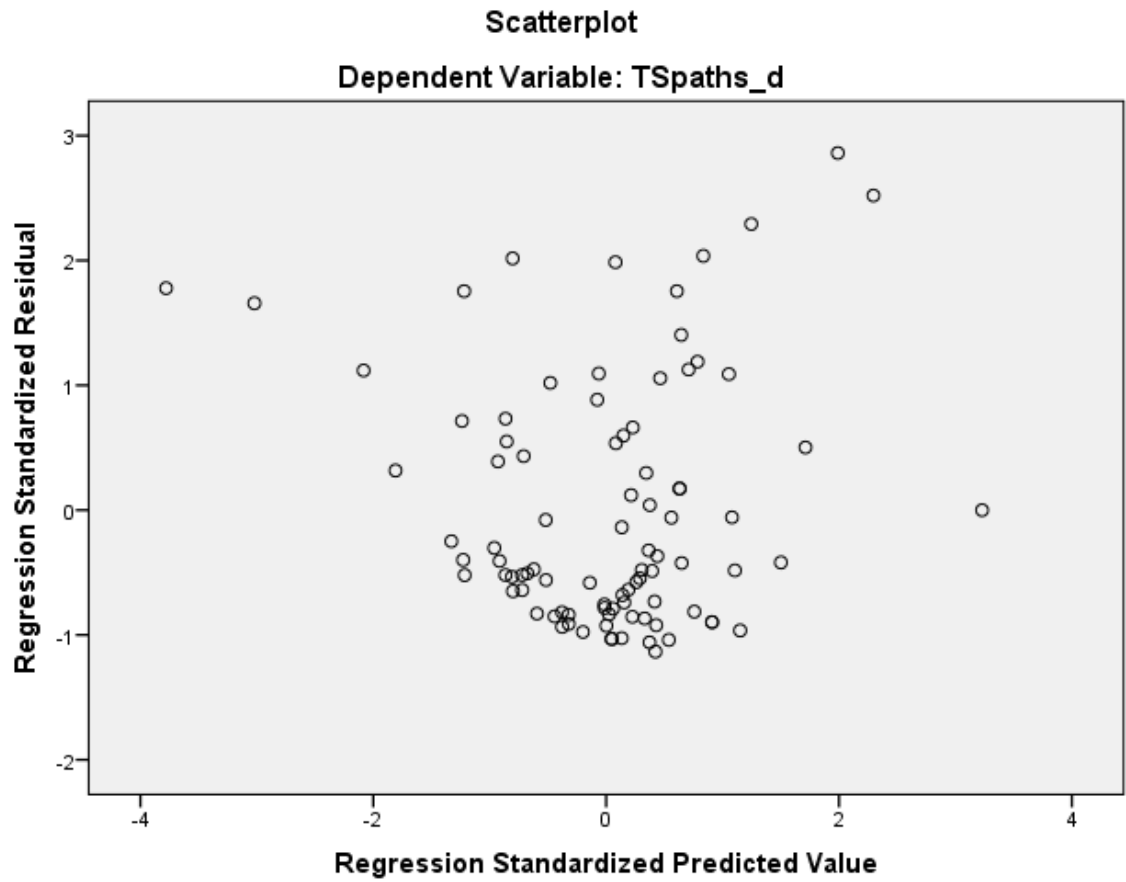
Stud. Deleted Residual	-1.144	3.154	.015	1.030
Mahal. Distance	.031	89.011	2.967	9.431
Cook's Distance	.000	.229	.015	.043
Centered Leverage Value	.000	.989	.033	.105

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	90
Residual	91
Std. Residual	91
Stud. Residual	90
Deleted Residual	90
Stud. Deleted Residual	90
Mahal. Distance	91
Cook's Distance	90
Centered Leverage Value	91

a. Dependent Variable: TSpats_d

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT AvgPL_d

/METHOD=STEPWISE PL_TpdN PL_TSpdN S_d R_d SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created	05-JUN-2015 13:48:43	
Comments		
Input	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.

Syntax	Cases Used	Statistics are based on cases with no missing values for any variable used.
		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT AvgPL_d /METHOD=STEPWISE PL_TpdN PL_TSpdN S_d R_d SMSP_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.19
	Elapsed Time	00:00:00.19
	Memory Required	6032 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_4	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	SMSP_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	S_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
3	PL_TpdN		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
4	PL_TSpdN		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

5	R_d	Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
---	-----	---

a. Dependent Variable: AvgPL_d

Model Summary^f

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.313 ^a	.098	.088	.003943803467076
2	.422 ^b	.178	.160	.003786007841719
3	.565 ^c	.319	.296	.003465689704934
4	.653 ^d	.427	.400	.003198932079359
5	.707 ^e	.499	.470	.003006815603176

a. Predictors: (Constant), SMSP_d

b. Predictors: (Constant), SMSP_d, S_d

c. Predictors: (Constant), SMSP_d, S_d, PL_TpdN

d. Predictors: (Constant), SMSP_d, S_d, PL_TpdN, PL_TSpdN

e. Predictors: (Constant), SMSP_d, S_d, PL_TpdN, PL_TSpdN, R_d

f. Dependent Variable: AvgPL_d

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	9.695	.002 ^b
	Residual	.001	89	.000		
	Total	.002	90			
2	Regression	.000	2	.000	9.546	.000 ^c
	Residual	.001	88	.000		
	Total	.002	90			
3	Regression	.000	3	.000	13.601	.000 ^d
	Residual	.001	87	.000		
	Total	.002	90			
4	Regression	.001	4	.000	16.002	.000 ^e
	Residual	.001	86	.000		
	Total	.002	90			
5	Regression	.001	5	.000	16.958	.000 ^f
	Residual	.001	85	.000		

Total	.002	90			
-------	------	----	--	--	--

- a. Dependent Variable: AvgPL_d
- b. Predictors: (Constant), SMSP_d
- c. Predictors: (Constant), SMSP_d, S_d
- d. Predictors: (Constant), SMSP_d, S_d, PL_TpdN
- e. Predictors: (Constant), SMSP_d, S_d, PL_TpdN, PL_TSpdN
- f. Predictors: (Constant), SMSP_d, S_d, PL_TpdN, PL_TSpdN, R_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.011	.000		26.108	.000
	SMSP_d	.012	.004	.313	3.114	.002
2	(Constant)	.013	.001		15.978	.000
	SMSP_d	.011	.004	.291	2.998	.004
	S_d	-.186	.064	-.284	-2.928	.004
3	(Constant)	.011	.001		11.415	.000
	SMSP_d	.011	.003	.279	3.139	.002
	S_d	-.320	.066	-.487	-4.831	.000
	PL_TpdN	.348	.082	.427	4.245	.000

4	(Constant)	.011	.001		12.874	.000
	SMSP_d	.007	.003	.175	2.032	.045
	S_d	-.240	.064	-.366	-3.744	.000
	PL_TpdN	.634	.104	.777	6.100	.000
	PL_TSpdN	-.416	.104	-.546	-4.014	.000
5	(Constant)	-.048	.017		-2.849	.006
	SMSP_d	.006	.003	.150	1.846	.068
	S_d	-.614	.122	-.936	-5.021	.000
	PL_TpdN	.567	.100	.695	5.700	.000
	PL_TSpdN	-.518	.102	-.680	-5.094	.000
	R_d	5.938	1.690	.749	3.513	.001

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	SMSP_d	1.000	1.000
2	(Constant)		
	SMSP_d	.994	1.006
	S_d	.994	1.006
3	(Constant)		
	SMSP_d	.993	1.007
	S_d	.769	1.300

	PL_TpdN	.774	1.292
4	(Constant)		
	SMSP_d	.902	1.108
	S_d	.696	1.436
	PL_TpdN	.411	2.434
	PL_TSpdN	.360	2.779
5	(Constant)		
	SMSP_d	.895	1.117
	S_d	.170	5.897
	PL_TpdN	.396	2.526
	PL_TSpdN	.331	3.024
	R_d	.130	7.720

a. Dependent Variable: AvgPL_d

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpdN	.196 ^b	1.979	.051	.206	1.000	1.000
	PL_TSpdN	-.140 ^b	-1.363	.176	-.144	.954	1.048
	S_d	-.284 ^b	-2.928	.004	-.298	.994	1.006
	R_d	-.120 ^b	-1.195	.235	-.126	.996	1.005

2	PL_TpdN	.427 ^c	4.245	.000	.414	.774	1.292
	PL_TSpdN	.022 ^c	.191	.849	.020	.678	1.475
	R_d	.756 ^c	3.525	.001	.354	.180	5.566
3	PL_TSpdN	-.546 ^d	-4.014	.000	-.397	.360	2.779
	R_d	.440 ^d	1.894	.062	.200	.141	7.094
4	R_d	.749 ^e	3.513	.001	.356	.130	7.720

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	PL_TpdN	1.000
	PL_TSpdN	.954
	S_d	.994
	R_d	.996
2	PL_TpdN	.769
	PL_TSpdN	.678
	R_d	.179
3	PL_TSpdN	.360
	R_d	.141
4	R_d	.130

a. Dependent Variable: AvgPL_d

b. Predictors in the Model: (Constant), SMSP_d

c. Predictors in the Model: (Constant), SMSP_d, S_d

d. Predictors in the Model: (Constant), SMSP_d, S_d, PL_TpdN

e. Predictors in the Model: (Constant), SMSP_d, S_d, PL_TpdN, PL_TSpdN

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	SMSP_d	S_d
1	1	1.105	1.000	.45	.45	
	2	.895	1.111	.55	.55	
2	1	1.883	1.000	.06	.01	.06
	2	.988	1.381	.00	.98	.00
	3	.129	3.815	.94	.01	.93
3	1	2.789	1.000	.02	.00	.02
	2	.990	1.678	.00	.98	.00
	3	.133	4.583	.37	.01	.89
	4	.088	5.628	.61	.00	.08
4	1	3.714	1.000	.01	.00	.01
	2	1.002	1.925	.00	.88	.00
	3	.134	5.265	.22	.01	.91
	4	.109	5.830	.76	.02	.05
	5	.041	9.467	.01	.09	.02
5	1	4.661	1.000	.00	.00	.00

2	1.002	2.157	.00	.87	.00
3	.170	5.232	.00	.03	.07
4	.125	6.102	.00	.00	.17
5	.041	10.599	.00	.09	.01
6	.000	172.316	1.00	.01	.75

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions		
		PL_TpdN	PL_TSpdN	R_d
1	1			
	2			
2	1			
	2			
	3			
3	1	.02		
	2	.00		
	3	.05		
	4	.93		
4	1	.00	.00	
	2	.00	.00	
	3	.04	.01	
	4	.13	.14	
	5	.83	.85	

5	1	.00	.00	.00
	2	.00	.00	.00
	3	.02	.04	.00
	4	.15	.10	.00
	5	.80	.78	.00
	6	.03	.08	1.00

a. Dependent Variable: AvgPL_d

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00585543643 6832	.02607489563 5247	.01098901098 9011	.00291847506 5581
Std. Predicted Value	-1.759	5.169	.000	1.000
Standard Error of Predicted Value	.000	.003	.001	.000
Adjusted Predicted Value	.00545400613 9189	.02917299605 9060	.01081021468 4971	.00267244053 7058
Residual	- .00547235412 5232	.00999167189 0020	.00000000000 0000	.00292209952 3132
Std. Residual	-1.820	3.323	.000	.972
Stud. Residual	-2.672	4.532	.007	1.075

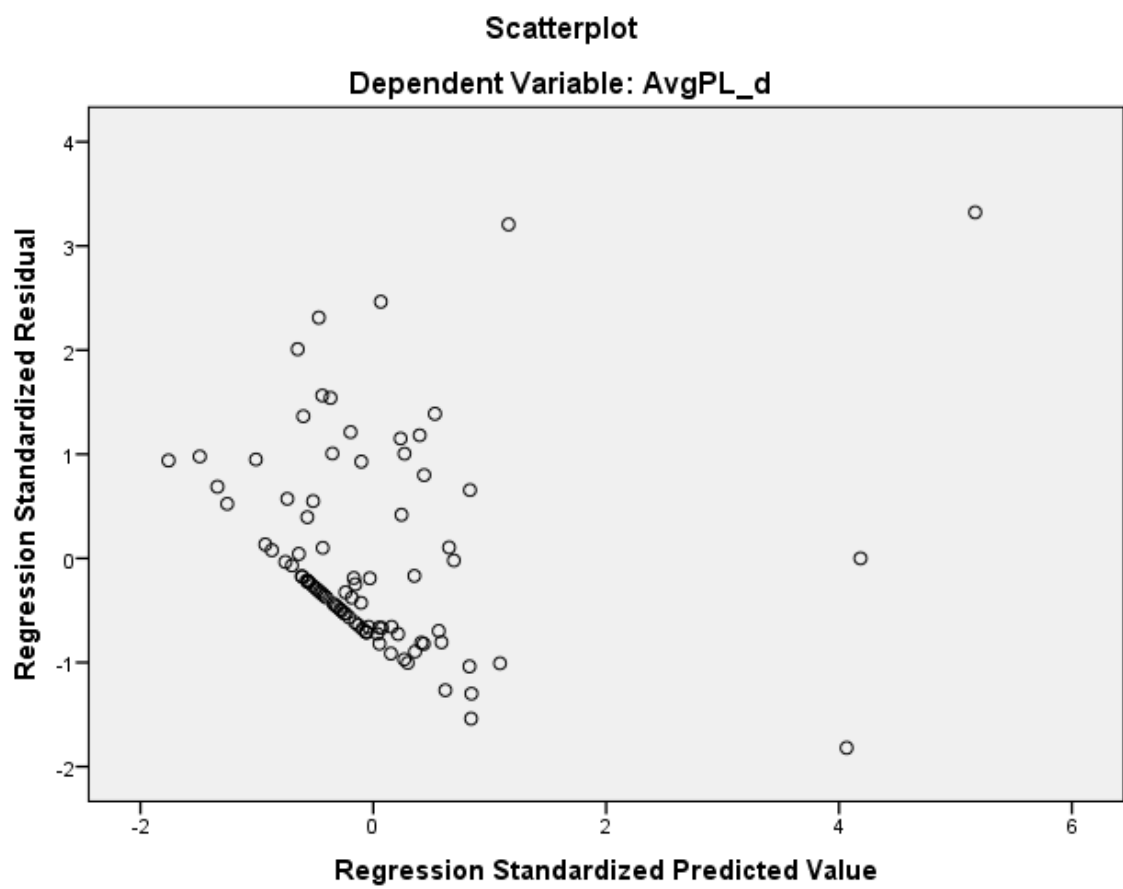
Deleted Residual	- .01179206091 9106	.01858250238 0013	.00004310944 0697	.00368300117 4870
Stud. Deleted Residual	-2.775	5.173	.019	1.123
Mahal. Distance	.081	89.011	4.945	11.287
Cook's Distance	.000	2.943	.057	.341
Centered Leverage Value	.001	.989	.055	.125

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	90
Residual	91
Std. Residual	91
Stud. Residual	90
Deleted Residual	90
Stud. Deleted Residual	90
Mahal. Distance	91
Cook's Distance	90
Centered Leverage Value	91

a. Dependent Variable: AvgPL_d

Charts



REGRESSION

/MISSING LISTWISE

```

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL
/CRITERIA=PIN(.05) POUT(.10)
/NOORIGIN
/DEPENDENT AvgGL_d
/METHOD=STEPWISE PL_TpdN PL_TSpdN S_d R_d SMSP_d
/SCATTERPLOT=(*ZRESID ,*ZPRED)
/SAVE COOK.

```

Regression

Notes

Output Created		05-JUN-2015 13:49:15
Comments		
Input	Active Dataset	DataSet2
	Filter	<none>
	Weight	<none>
	Split File	<none>

	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT AvgGL_d /METHOD=STEPWISE PL_TpdN PL_TSpdN S_d R_d SMSP_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.20
	Elapsed Time	00:00:00.23
	Memory Required	6080 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_5	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	SMSP_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	S_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
3	PL_TpdN		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

4			Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
5	PL_TSpdN		
	R_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: AvgGL_d

Model Summary^f

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.382 ^a	.146	.137	.00283122996 5859
2	.489 ^b	.239	.222	.00268810549 1860
3	.596 ^c	.355	.333	.00248925473 6172
4	.624 ^d	.389	.361	.00243586996 3172

5	.646 ^e	.417	.382	.00239463063 2548
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a. Predictors: (Constant), SMSP_d

b. Predictors: (Constant), SMSP_d, S_d

c. Predictors: (Constant), SMSP_d, S_d, PL_TpdN

d. Predictors: (Constant), SMSP_d, S_d, PL_TpdN, PL_TSpdN

e. Predictors: (Constant), SMSP_d, S_d, PL_TpdN, PL_TSpdN,
R_d

f. Dependent Variable: AvgGL_d

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	15.242	.000 ^b
	Residual	.001	89	.000		
	Total	.001	90			
2	Regression	.000	2	.000	13.819	.000 ^c
	Residual	.001	88	.000		
	Total	.001	90			
3	Regression	.000	3	.000	15.950	.000 ^d
	Residual	.001	87	.000		
	Total	.001	90			

4	Regression	.000	4	.000	13.707	.000 ^e
	Residual	.001	86	.000		
	Total	.001	90			
5	Regression	.000	5	.000	12.144	.000 ^f
	Residual	.000	85	.000		
	Total	.001	90			

a. Dependent Variable: AvgGL_d

b. Predictors: (Constant), SMSP_d

c. Predictors: (Constant), SMSP_d, S_d

d. Predictors: (Constant), SMSP_d, S_d, PL_TpdN

e. Predictors: (Constant), SMSP_d, S_d, PL_TpdN, PL_TSpdN

f. Predictors: (Constant), SMSP_d, S_d, PL_TpdN, PL_TSpdN, R_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.011	.000		36.413	.000
	SMSP_d	.011	.003	.382	3.904	.000
2	(Constant)	.013	.001		21.790	.000
	SMSP_d	.010	.003	.358	3.836	.000

	SMSP_d	.994	1.006
	S_d	.994	1.006
3	(Constant)		
	SMSP_d	.993	1.007
	S_d	.769	1.300
	PL_TpdN	.774	1.292
4	(Constant)		
	SMSP_d	.902	1.108
	S_d	.696	1.436
	PL_TpdN	.411	2.434
	PL_TSpdN	.360	2.779
5	(Constant)		
	SMSP_d	.895	1.117
	S_d	.170	5.897
	PL_TpdN	.396	2.526
	PL_TSpdN	.331	3.024
	R_d	.130	7.720

a. Dependent Variable: AvgGL_d

Excluded Variables^a

Model	Beta In	t	Sig.	Partial	Collinearity Statistics
-------	---------	---	------	---------	-------------------------

					Correlation	Tolerance	VIF
1	PL_TpdN	.155 ^b	1.594	.114	.168	1.000	1.000
	PL_TSpdN	-.083 ^b	-.827	.410	-.088	.954	1.048
	S_d	-.306 ^b	-3.276	.002	-.330	.994	1.006
	R_d	-.169 ^b	-1.744	.085	-.183	.996	1.005
2	PL_TpdN	.387 ^c	3.952	.000	.390	.774	1.292
	PL_TSpdN	.119 ^c	1.054	.295	.112	.678	1.475
	R_d	.594 ^c	2.809	.006	.288	.180	5.566
3	PL_TSpdN	-.310 ^d	-2.203	.030	-.231	.360	2.779
	R_d	.282 ^d	1.231	.222	.132	.141	7.094
4	R_d	.460 ^e	1.997	.049	.212	.130	7.720

Excluded Variables^a

Model		Collinearity Statistics	
		Minimum Tolerance	
1	PL_TpdN	1.000	
	PL_TSpdN	.954	
	S_d	.994	
	R_d	.996	
2	PL_TpdN	.769	
	PL_TSpdN	.678	
	R_d	.179	
3	PL_TSpdN	.360	

	R_d	.141
4	R_d	.130

- a. Dependent Variable: AvgGL_d
- b. Predictors in the Model: (Constant), SMSP_d
- c. Predictors in the Model: (Constant), SMSP_d, S_d
- d. Predictors in the Model: (Constant), SMSP_d, S_d, PL_TpdN
- e. Predictors in the Model: (Constant), SMSP_d, S_d, PL_TpdN, PL_TSpdN

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	SMSP_d	S_d
1	1	1.105	1.000	.45	.45	
	2	.895	1.111	.55	.55	
2	1	1.883	1.000	.06	.01	.06
	2	.988	1.381	.00	.98	.00
	3	.129	3.815	.94	.01	.93
3	1	2.789	1.000	.02	.00	.02
	2	.990	1.678	.00	.98	.00
	3	.133	4.583	.37	.01	.89
	4	.088	5.628	.61	.00	.08
4	1	3.714	1.000	.01	.00	.01

	2	1.002	1.925	.00	.88	.00
	3	.134	5.265	.22	.01	.91
	4	.109	5.830	.76	.02	.05
	5	.041	9.467	.01	.09	.02
5	1	4.661	1.000	.00	.00	.00
	2	1.002	2.157	.00	.87	.00
	3	.170	5.232	.00	.03	.07
	4	.125	6.102	.00	.00	.17
	5	.041	10.599	.00	.09	.01
	6	.000	172.316	1.00	.01	.75

Collinearity Diagnostics^a

Model Dimension		Variance Proportions		
		PL_TpdN	PL_TSpdN	R_d
1	1			
	2			
2	1			
	2			
	3			
3	1	.02		
	2	.00		
	3	.05		
	4	.93		

4	1	.00	.00	
	2	.00	.00	
	3	.04	.01	
	4	.13	.14	
	5	.83	.85	
5	1	.00	.00	.00
	2	.00	.00	.00
	3	.02	.04	.00
	4	.15	.10	.00
	5	.80	.78	.00
	6	.03	.08	1.00

a. Dependent Variable: AvgGL_d

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00720419827 8487	.02198152989 1491	.01098901098 9011	.00196688745 2020
Std. Predicted Value	-1.924	5.589	.000	1.000
Standard Error of Predicted Value	.000	.002	.001	.000
Adjusted Predicted Value	.00658946670 5918	.02062528394 1627	.01084659755 9825	.00163935745 9903

Residual	- .00319884438 0677	.00652486225 5901	.00000000000 0000	.00232716267 0718
Std. Residual	-1.336	2.725	.000	.972
Stud. Residual	-1.604	2.800	.004	1.025
Deleted Residual	- .00563815329 2239	.00824168696 9995	.00002027432 7659	.00261867428 9067
Stud. Deleted Residual	-1.619	2.922	.011	1.039
Mahal. Distance	.081	89.011	4.945	11.287
Cook's Distance	.000	.913	.024	.109
Centered Leverage Value	.001	.989	.055	.125

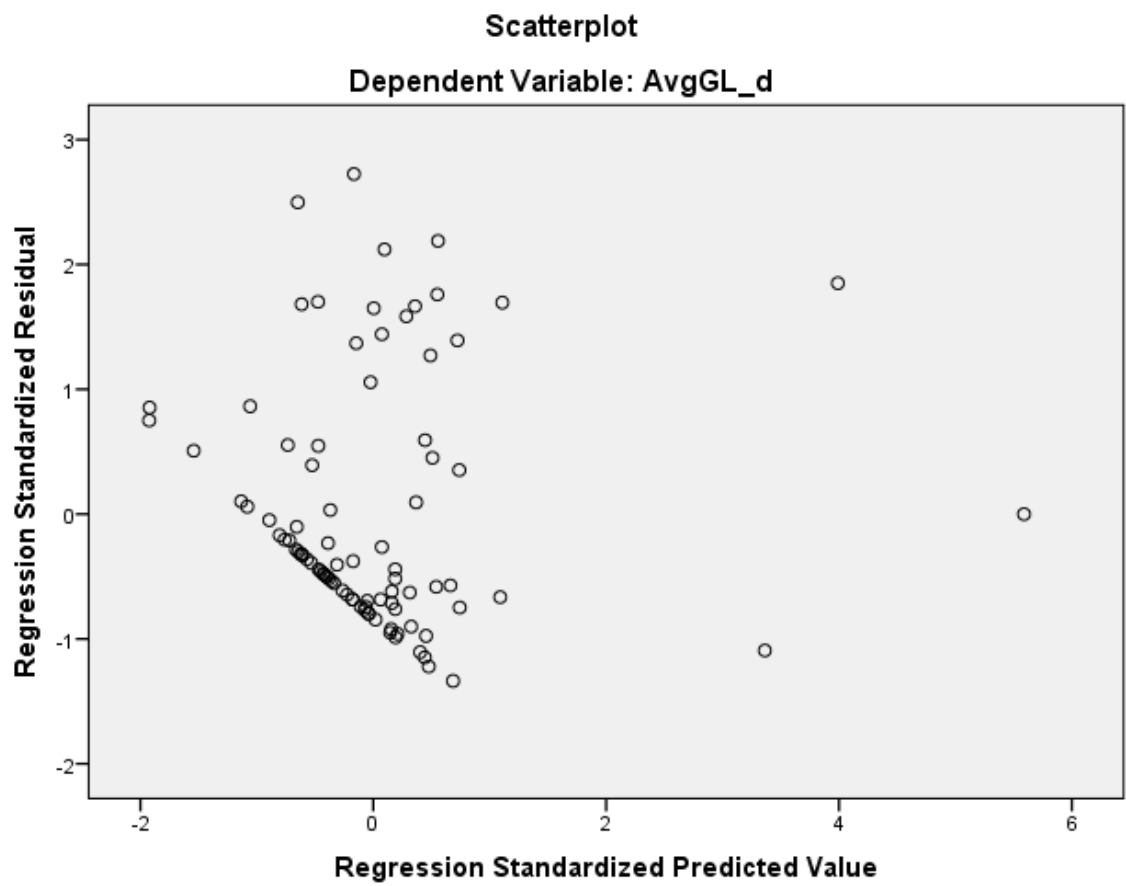
Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	90
Residual	91
Std. Residual	91
Stud. Residual	90
Deleted Residual	90
Stud. Deleted Residual	90
Mahal. Distance	91

Cook's Distance	90
Centered Leverage Value	91

a. Dependent Variable: AvgGL_d

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT Tpaths_d

/METHOD=STEPWISE PL_TpdN PL_TSpdN S_d R_d SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created	05-JUN-2015 13:51:23	
Comments		
Input	Active Dataset	DataSet2

	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	90
	Missing Value Handling	<p>Definition of Missing</p> <p>User-defined missing values are treated as missing.</p> <p>Cases Used</p> <p>Statistics are based on cases with no missing values for any variable used.</p>
Syntax		<p>REGRESSION</p> <p>/MISSING LISTWISE</p> <p>/STATISTICS COEFF OUTS R ANOVA COLLIN TOL</p> <p>/CRITERIA=PIN(.05) POUT(.10)</p> <p>/NOORIGIN</p> <p>/DEPENDENT Tpaths_d</p> <p>/METHOD=STEPWISE PL_TpdN PL_TSpdN S_d R_d SMSP_d</p> <p>/SCATTERPLOT=(*ZRESID ,*ZPRED)</p> <p>/SAVE COOK.</p>
Resources	Processor Time	00:00:00.23
	Elapsed Time	00:00:00.24
	Memory Required	6112 bytes

	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_6	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	S_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	R_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

3	SMSP_d	Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
---	--------	---

a. Dependent Variable: Tpaths_d

Model Summary^d

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.560 ^a	.314	.306	.00223650522 3770
2	.662 ^b	.439	.426	.00203464135 0175
3	.696 ^c	.485	.467	.00196116051 5174

a. Predictors: (Constant), S_d

b. Predictors: (Constant), S_d, R_d

c. Predictors: (Constant), S_d, R_d, SMSP_d

d. Dependent Variable: Tpaths_d

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	40.282	.000 ^b
	Residual	.000	88	.000		
	Total	.001	89			
2	Regression	.000	2	.000	34.000	.000 ^c
	Residual	.000	87	.000		
	Total	.001	89			
3	Regression	.000	3	.000	26.944	.000 ^d
	Residual	.000	86	.000		
	Total	.001	89			

a. Dependent Variable: Tpaths_d

b. Predictors: (Constant), S_d

c. Predictors: (Constant), S_d, R_d

d. Predictors: (Constant), S_d, R_d, SMSP_d

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		

1	(Constant)	.014	.000		28.401	.000
	S_d	-.239	.038	-.560	-6.347	.000
2	(Constant)	-.030	.010		-3.032	.003
	S_d	-.561	.081	-1.312	-6.945	.000
	R_d	4.321	.983	.831	4.396	.000
3	(Constant)	-.030	.010		-3.133	.002
	S_d	-.551	.078	-1.290	-7.076	.000
	R_d	4.294	.947	.826	4.533	.000
	SMSP_d	.005	.002	.215	2.764	.007

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	S_d	1.000	1.000
2	(Constant)		
	S_d	.181	5.534
	R_d	.181	5.534
3	(Constant)		
	S_d	.180	5.545
	R_d	.181	5.535
	SMSP_d	.993	1.007

a. Dependent Variable: Tpaths_d

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpdN	.323 ^b	3.276	.002	.331	.724	1.381
	PL_TSpdN	-.006 ^b	-.056	.955	-.006	.717	1.394
	R_d	.831 ^b	4.396	.000	.426	.181	5.534
	SMSP_d	.218 ^b	2.540	.013	.263	.993	1.007
2	PL_TpdN	.130 ^c	1.145	.255	.123	.495	2.019
	PL_TSpdN	-.262 ^c	-2.510	.014	-.261	.556	1.797
	SMSP_d	.215 ^c	2.764	.007	.286	.993	1.007
3	PL_TpdN	.117 ^d	1.067	.289	.115	.494	2.023
	PL_TSpdN	-.204 ^d	-1.937	.056	-.206	.523	1.913

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	PL_TpdN	.724
	PL_TSpdN	.717
	R_d	.181

	SMSP_d	.993
2	PL_TpdN	.124
	PL_TSpdN	.140
	SMSP_d	.180
3	PL_TpdN	.124
	PL_TSpdN	.138

- a. Dependent Variable: Tpaths_d
- b. Predictors in the Model: (Constant), S_d
- c. Predictors in the Model: (Constant), S_d, R_d
- d. Predictors in the Model: (Constant), S_d, R_d, SMSP_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	S_d	R_d
1	1	1.871	1.000	.06	.06	
	2	.129	3.804	.94	.94	
2	1	2.841	1.000	.00	.00	.00
	2	.158	4.234	.00	.19	.00
	3	.000	116.060	1.00	.81	1.00
3	1	2.854	1.000	.00	.00	.00
	2	.990	1.698	.00	.00	.00

3	.157	4.269	.00	.19	.00
4	.000	116.313	1.00	.81	1.00

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions
		SMSP_d
1	1	
	2	
2	1	
	2	
	3	
3	1	.00
	2	.98
	3	.01
	4	.00

a. Dependent Variable: Tpaths_d

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00410365080 4609	.01758608967 0658	.01096639534 2515	.00186900701 8303

Std. Predicted Value	-3.672	3.542	.000	1.000
Standard Error of Predicted Value	.000	.002	.000	.000
Adjusted Predicted Value	.00328738009 5571	.01476792804 8968	.01085846064 5873	.00176294758 7713
Residual	- .00211886758 9161	.00866582896 5604	.00000000000 0000	.00192782391 3528
Std. Residual	-1.080	4.419	.000	.983
Stud. Residual	-1.094	4.639	.008	1.020
Deleted Residual	- .00220415601 5068	.00954932719 4691	.00003355609 9652	.00206755693 8347
Stud. Deleted Residual	-1.096	5.326	.020	1.064
Mahal. Distance	.034	88.011	2.967	9.380
Cook's Distance	.000	.548	.017	.067
Centered Leverage Value	.000	.989	.033	.105

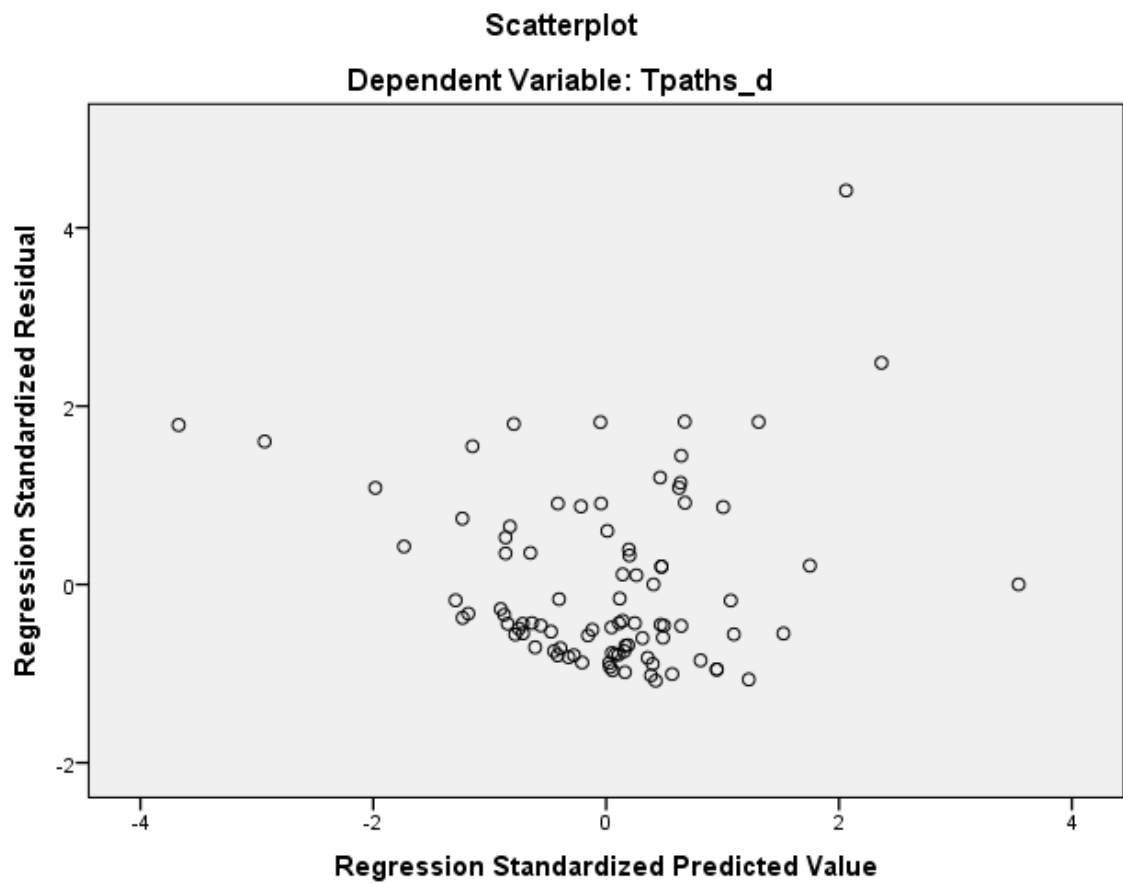
Residuals Statistics^a

	N
Predicted Value	90
Std. Predicted Value	90
Standard Error of Predicted Value	90
Adjusted Predicted Value	89
Residual	90
Std. Residual	90

Stud. Residual	89
Deleted Residual	89
Stud. Deleted Residual	89
Mahal. Distance	90
Cook's Distance	89
Centered Leverage Value	90

a. Dependent Variable: Tpaths_d

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT AvgPL_d

/METHOD=STEPWISE PL_TpdN PL_TSpdN S_d R_d SMSP_d

/SCATTERPLOT=(*ZRESID,*ZPRED)

/SAVE COOK.

Regression

Notes

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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT AvgPL_d /METHOD=STEPWISE PL_TpdN PL_TSpdN S_d R_d SMSP_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.22
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	Memory Required	6160 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_7	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
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1	SMSP_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	S_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
3	R_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: AvgPL_d

Model Summary^d

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
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1	.432 ^a	.187	.178	.00282538400 0915
2	.501 ^b	.251	.234	.00272688927 1619
3	.561 ^c	.315	.291	.00262342533 7487

a. Predictors: (Constant), SMSP_d

b. Predictors: (Constant), SMSP_d, S_d

c. Predictors: (Constant), SMSP_d, S_d, R_d

d. Dependent Variable: AvgPL_d

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	20.003	.000 ^b
	Residual	.001	87	.000		
	Total	.001	88			
2	Regression	.000	2	.000	14.436	.000 ^c
	Residual	.001	86	.000		
	Total	.001	88			
3	Regression	.000	3	.000	13.037	.000 ^d
	Residual	.001	85	.000		

Total	.001	88			
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a. Dependent Variable: AvgPL_d

b. Predictors: (Constant), SMSP_d

c. Predictors: (Constant), SMSP_d, S_d

d. Predictors: (Constant), SMSP_d, S_d, R_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.010	.000		34.838	.000
	SMSP_d	.013	.003	.432	4.473	.000
2	(Constant)	.012	.001		19.974	.000
	SMSP_d	.012	.003	.411	4.390	.000
	S_d	-.126	.046	-.255	-2.720	.008
3	(Constant)	-.026	.013		-1.919	.058
	SMSP_d	.012	.003	.407	4.516	.000
	S_d	-.405	.109	-.817	-3.727	.000
	R_d	3.696	1.314	.616	2.814	.006

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	SMSP_d	1.000	1.000
2	(Constant)		
	SMSP_d	.993	1.007
	S_d	.993	1.007
3	(Constant)		
	SMSP_d	.993	1.007
	S_d	.168	5.959
	R_d	.168	5.946

a. Dependent Variable: AvgPL_d

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpdN	.042 ^b	.432	.667	.047	1.000	1.000
	PL_TSpdN	.068 ^b	.680	.499	.073	.947	1.056
	S_d	-.255 ^b	-2.720	.008	-.281	.993	1.007
	R_d	-.128 ^b	-1.325	.189	-.141	.995	1.005

2	PL_TpdN	.272 ^c	2.477	.015	.259	.681	1.468
	PL_TSpdN	.277 ^c	2.553	.012	.267	.692	1.444
	R_d	.616 ^c	2.814	.006	.292	.168	5.946
3	PL_TpdN	.154 ^d	1.207	.231	.131	.494	2.026
	PL_TSpdN	.155 ^d	1.180	.241	.128	.467	2.141

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	PL_TpdN	1.000
	PL_TSpdN	.947
	S_d	.993
	R_d	.995
2	PL_TpdN	.676
	PL_TSpdN	.692
	R_d	.168
3	PL_TpdN	.122
	PL_TSpdN	.113

a. Dependent Variable: AvgPL_d

b. Predictors in the Model: (Constant), SMSP_d

c. Predictors in the Model: (Constant), SMSP_d, S_d

d. Predictors in the Model: (Constant), SMSP_d, S_d, R_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	SMSP_d	S_d
1	1	1.106	1.000	.45	.45	
	2	.894	1.112	.55	.55	
2	1	1.887	1.000	.06	.01	.06
	2	.988	1.382	.00	.98	.00
	3	.126	3.872	.94	.02	.94
3	1	2.856	1.000	.00	.00	.00
	2	.990	1.699	.00	.98	.00
	3	.154	4.304	.00	.01	.18
	4	.000	119.840	1.00	.00	.82

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions
		R_d
1	1	
	2	
2	1	
	2	

	3	
3	1	.00
	2	.00
	3	.00
	4	1.00

a. Dependent Variable: AvgPL_d

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00625747069 7165	.02320082858 2048	.01063542132 0419	.00174898074 7527
Std. Predicted Value	-2.503	7.184	.000	1.000
Standard Error of Predicted Value	.000	.003	.000	.000
Adjusted Predicted Value	.00555410515 5170	.01305712014 4367	.01046823511 6473	.00114178605 7333
Residual	- .00356390327 2152	.01021515857 4283	.00000000000 0000	.00257832010 7198
Std. Residual	-1.358	3.894	.000	.983
Stud. Residual	-1.399	4.160	.004	1.016
Deleted Residual	- .00377845927 1416	.01165952626 6158	.00002439748 3838	.00274181671 3673

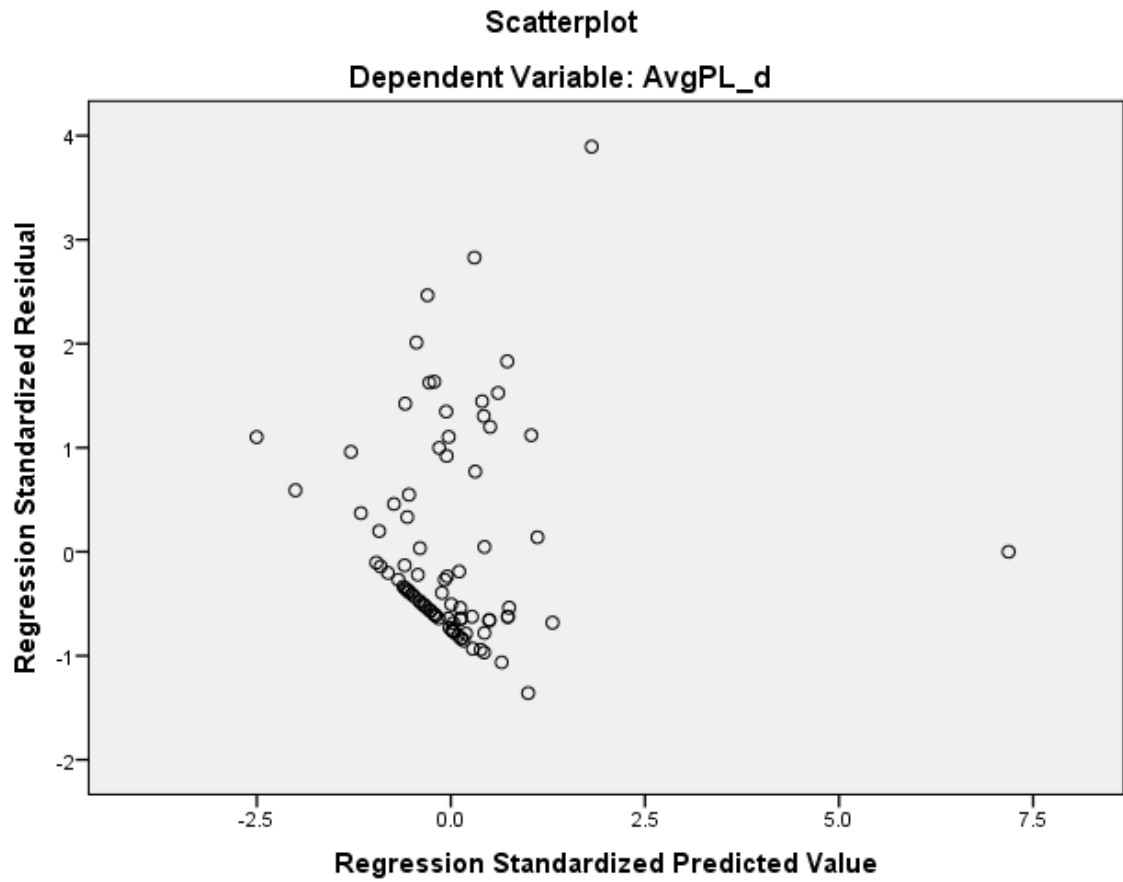
Stud. Deleted Residual	-1.407	4.634	.015	1.048
Mahal. Distance	.037	87.011	2.966	9.332
Cook's Distance	.000	.612	.015	.066
Centered Leverage Value	.000	.989	.034	.106

Residuals Statistics^a

	N
Predicted Value	89
Std. Predicted Value	89
Standard Error of Predicted Value	89
Adjusted Predicted Value	88
Residual	89
Std. Residual	89
Stud. Residual	88
Deleted Residual	88
Stud. Deleted Residual	88
Mahal. Distance	89
Cook's Distance	88
Centered Leverage Value	89

a. Dependent Variable: AvgPL_d

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT ECd

/METHOD=STEPWISE PL_TpdN PL_TSpdN S_d R_d SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.

Cases Used		Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT ECd /METHOD=STEPWISE PL_TpdN PL_TSpdN S_d R_d SMSP_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.22
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	Memory Required	6080 bytes
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Variables Created or Modified	COO_5	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	SMSP_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: ECd

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.263 ^a	.069	.059	.00148037265 5404

a. Predictors: (Constant), SMSP_d

b. Dependent Variable: ECd

ANOVA^a

Model	Sum of Squares	df	Mean Square	F	Sig.
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1	Regression	.000	1	.000	6.633	.012 ^b
	Residual	.000	89	.000		
	Total	.000	90			

a. Dependent Variable: ECd

b. Predictors: (Constant), SMSP_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.011	.000		70.692	.000
	SMSP_d	-.004	.001	-.263	-2.576	.012

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	SMSP_d	1.000	1.000

a. Dependent Variable: ECd

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpdN	-.175 ^b	-1.729	.087	-.181	1.000	1.000
	PL_TSpdN	.073 ^b	.697	.487	.074	.954	1.048
	S_d	.167 ^b	1.647	.103	.173	.994	1.006
	R_d	.054 ^b	.523	.603	.056	.996	1.005

Excluded Variables^a

Model		Collinearity Statistics	
		Minimum Tolerance	
1	PL_TpdN	1.000	
	PL_TSpdN	.954	
	S_d	.994	
	R_d	.996	

a. Dependent Variable: ECd

b. Predictors in the Model: (Constant), SMSP_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition	Variance Proportions
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		Index	(Constant)	SMSP_d
1	1	1.105	1.000	.45
	2	.895	1.111	.55

a. Dependent Variable: ECd

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00719726085 6628	.01103114150 4645	.01098901098 9011	.00040189989 2923
Std. Predicted Value	-9.435	.105	.000	1.000
Standard Error of Predicted Value	.000	.001	.000	.000
Adjusted Predicted Value	.01101515814 6620	.01110074855 3872	.01103114154 5374	.00001663340 0623
Residual	- .00619500083 8488	.00142249092 4597	.00000000000 0000	.00147212538 9810
Std. Residual	-4.185	.961	.000	.994
Stud. Residual	-4.208	.966	.000	1.006
Deleted Residual	- .00626460742 2054	.00143847404 9792	.00000000000 0000	.00149700605 6026
Stud. Deleted Residual	-4.675	.966	-.014	1.049
Mahal. Distance	.011	89.011	.989	9.330

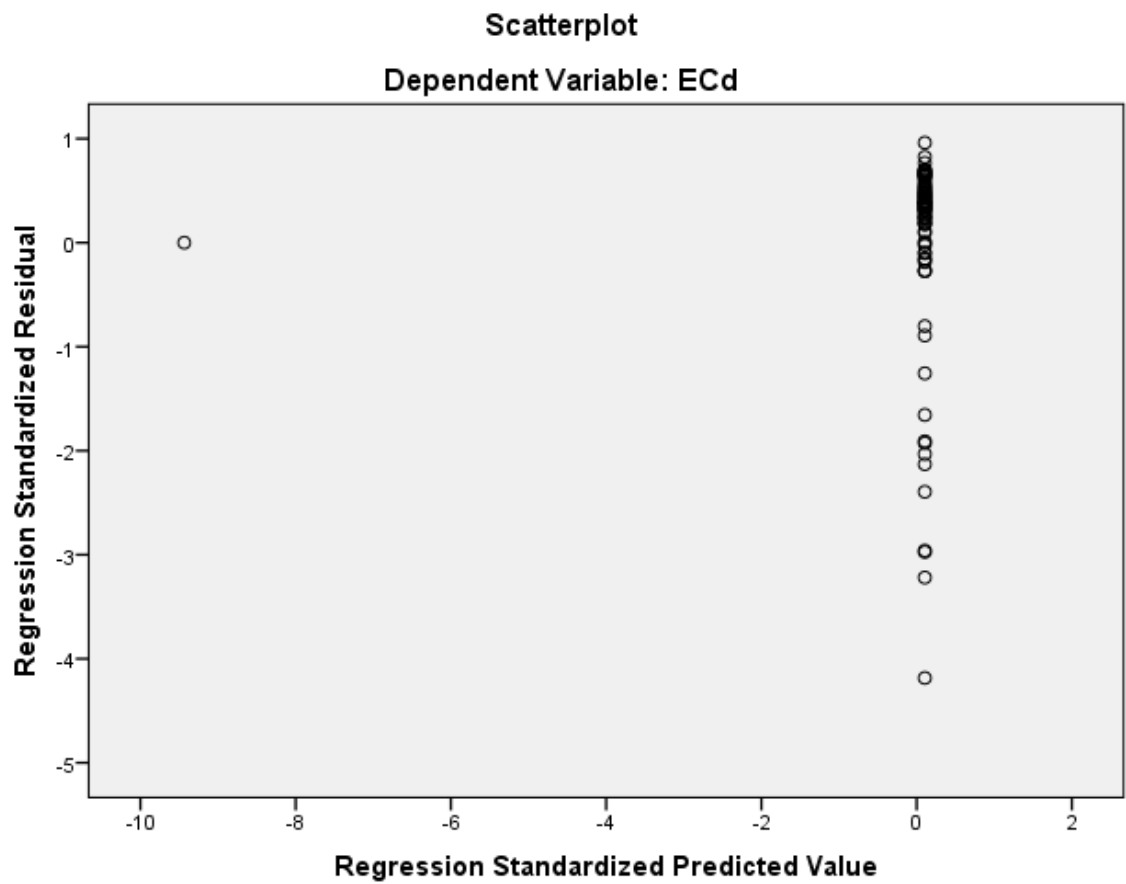
Cook's Distance	.000	.099	.006	.015
Centered Leverage Value	.000	.989	.011	.104

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	90
Residual	91
Std. Residual	91
Stud. Residual	90
Deleted Residual	90
Stud. Deleted Residual	90
Mahal. Distance	91
Cook's Distance	90
Centered Leverage Value	91

a. Dependent Variable: ECd

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT PL_EVCdN

/METHOD=STEPWISE PL_TpdN PL_TSpdN S_d R_d SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

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	Weight	<none>
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	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION
		/MISSING LISTWISE
		/STATISTICS COEFF OUTS R ANOVA COLLIN TOL
		/CRITERIA=PIN(.05) POUT(.10)
		/NOORIGIN
		/DEPENDENT PL_EVCdN
		/METHOD=STEPWISE PL_TpdN PL_TSpdN S_d R_d SMSP_d
		/SCATTERPLOT=(*ZRESID ,*ZPRED)
		/SAVE COOK.
Resources	Processor Time	00:00:00.20
	Elapsed Time	00:00:00.20
	Memory Required	6112 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_6	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
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1	SMSP_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
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a. Dependent Variable: PL_EVCdN

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.315 ^a	.099	.089	.01631811834 6357

a. Predictors: (Constant), SMSP_d

b. Dependent Variable: PL_EVCdN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.003	1	.003	9.805	.002 ^b
	Residual	.024	89	.000		

Total	.026	90			
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a. Dependent Variable: PL_EVCdN

b. Predictors: (Constant), SMSP_d

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
1	(Constant)	.010	.002	6.060	.000
	SMSP_d	.051	.016	.315	.002

Coefficients^a

Model	Collinearity Statistics	
	Tolerance	VIF
1	(Constant)	
	SMSP_d	1.000

a. Dependent Variable: PL_EVCdN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpdN	.182 ^b	1.828	.071	.191	1.000	1.000
	PL_TSpdN	.091 ^b	.878	.382	.093	.954	1.048
	S_d	-.016 ^b	-.159	.874	-.017	.994	1.006
	R_d	.129 ^b	1.288	.201	.136	.996	1.005

Excluded Variables^a

Model		Collinearity Statistics	
		Minimum Tolerance	
1	PL_TpdN	1.000	
	PL_TSpdN	.954	
	S_d	.994	
	R_d	.996	

a. Dependent Variable: PL_EVCdN

b. Predictors in the Model: (Constant), SMSP_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions	
				(Constant)	SMSP_d

1	1	1.105	1.000	.45	.45
	2	.895	1.111	.55	.55

a. Dependent Variable: PL_EVCdN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.01042438950 3896	.06180496141 3145	.01098901098 9011	.00538614764 5094
Std. Predicted Value	-.105	9.435	.000	1.000
Standard Error of Predicted Value	.002	.016	.002	.002
Adjusted Predicted Value	.00976913049 8171	.01054151728 7493	.01042438929 8541	.00018334964 4342
Residual	- .01042438950 3896	.05831805616 6172	.00000000000 0000	.01622720890 1701
Std. Residual	-.639	3.574	.000	.994
Stud. Residual	-.642	3.594	.000	1.006
Deleted Residual	- .01054151728 7493	.05897331610 3220	.00000000000 0000	.01650146799 0698
Stud. Deleted Residual	-.640	3.865	.010	1.031
Mahal. Distance	.011	89.011	.989	9.330
Cook's Distance	.001	.073	.006	.011

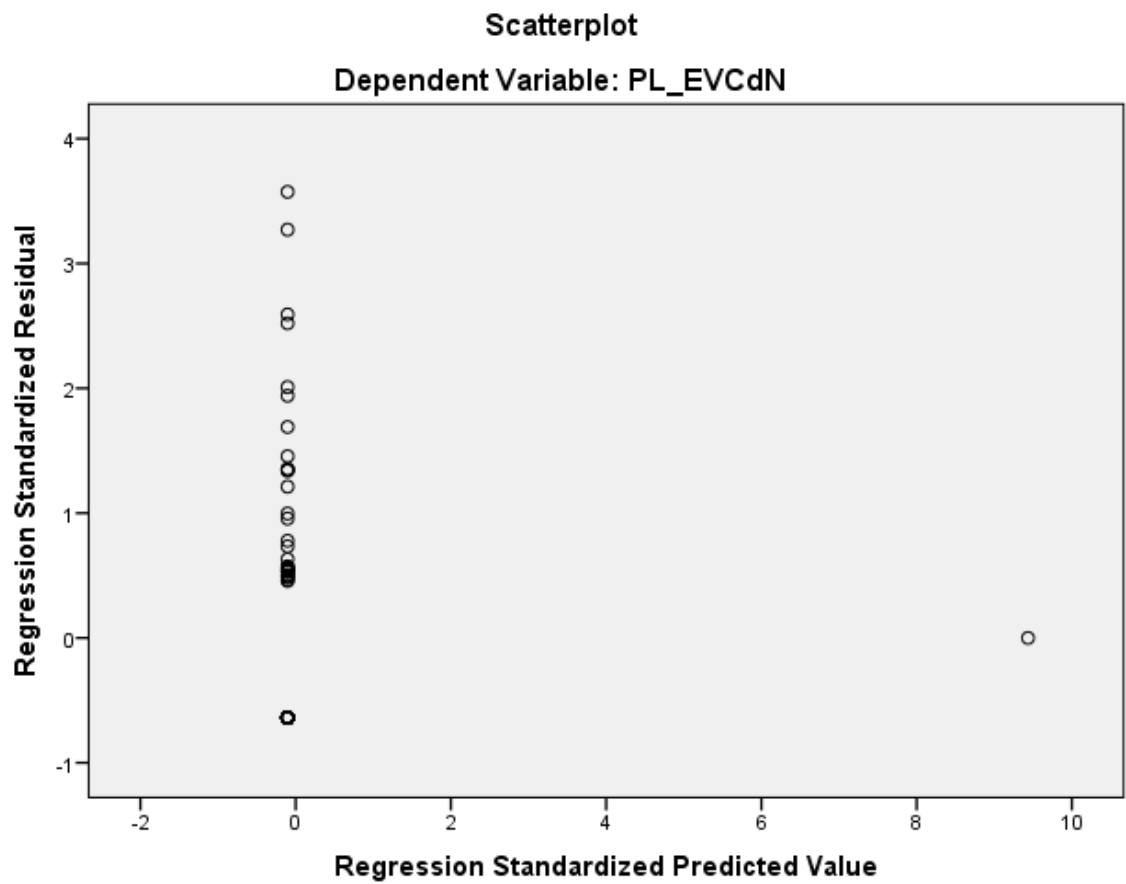
Centered Leverage Value	.000	.989	.011	.104
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Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	90
Residual	91
Std. Residual	91
Stud. Residual	90
Deleted Residual	90
Stud. Deleted Residual	90
Mahal. Distance	91
Cook's Distance	90
Centered Leverage Value	91

a. Dependent Variable: PL_EVCdN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT EVCd_TpdN

/METHOD=STEPWISE PL_TpdN PL_TSpdN S_d R_d SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created		05-JUN-2015 14:08:36
Comments		
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	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION
		/MISSING LISTWISE
		/STATISTICS COEFF OUTS R ANOVA COLLIN TOL
		/CRITERIA=PIN(.05) POUT(.10)
		/NOORIGIN
		/DEPENDENT EVCd_TpdN
		/METHOD=STEPWISE PL_TpdN PL_TSpdN S_d R_d SMSP_d
		/SCATTERPLOT=(*ZRESID ,*ZPRED)
		/SAVE COOK.
Resources	Processor Time	00:00:00.25
	Elapsed Time	00:00:00.27
	Memory Required	6160 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_7	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
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1	PL_TSpdN		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	S_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
3	R_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: EVCd_TpdN

Model Summary^d

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
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1	.371 ^a	.138	.128	.00535538454 2360
2	.419 ^b	.176	.157	.00526463480 7761
3	.486 ^c	.237	.210	.00509621378 9530

a. Predictors: (Constant), PL_TSpdN

b. Predictors: (Constant), PL_TSpdN, S_d

c. Predictors: (Constant), PL_TSpdN, S_d, R_d

d. Dependent Variable: EVCd_TpdN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	14.192	.000 ^b
	Residual	.003	89	.000		
	Total	.003	90			
2	Regression	.001	2	.000	9.390	.000 ^c
	Residual	.002	88	.000		
	Total	.003	90			
3	Regression	.001	3	.000	8.985	.000 ^d
	Residual	.002	87	.000		

Total	.003	90			
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a. Dependent Variable: EVCd_TpdN

b. Predictors: (Constant), PL_TSpdN

c. Predictors: (Constant), PL_TSpdN, S_d

d. Predictors: (Constant), PL_TSpdN, S_d, R_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.015	.001		12.009	.000
	PL_TSpdN	-.392	.104	-.371	-3.767	.000
2	(Constant)	.014	.001		10.898	.000
	PL_TSpdN	-.525	.122	-.497	-4.318	.000
	S_d	.212	.105	.233	2.024	.046
3	(Constant)	.088	.028		3.142	.002
	PL_TSpdN	-.352	.135	-.333	-2.609	.011
	S_d	.681	.205	.747	3.319	.001
	R_d	-7.329	2.788	-.666	-2.629	.010

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	PL_TSpdN	1.000	1.000
2	(Constant)		
	PL_TSpdN	.708	1.413
	S_d	.708	1.413
3	(Constant)		
	PL_TSpdN	.539	1.855
	S_d	.173	5.776
	R_d	.137	7.308

a. Dependent Variable: EVCd_TpdN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpdN	-.185 ^b	-1.248	.215	-.132	.440	2.271
	S_d	.233 ^b	2.024	.046	.211	.708	1.413
	R_d	.065 ^b	.489	.626	.052	.559	1.788
	SMSP_d	.093 ^b	.921	.360	.098	.954	1.048

2	PL_TpdN	-.225 ^c	-1.543	.127	-.163	.433	2.307
	R_d	-.666 ^c	-2.629	.010	-.271	.137	7.308
	SMSP_d	.084 ^c	.849	.398	.091	.952	1.050
3	PL_TpdN	-.152 ^d	-1.042	.300	-.112	.414	2.418
	SMSP_d	.120 ^d	1.240	.218	.133	.935	1.069

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	PL_TpdN	.440
	S_d	.708
	R_d	.559
	SMSP_d	.954
2	PL_TpdN	.396
	R_d	.137
	SMSP_d	.678
3	PL_TpdN	.131
	SMSP_d	.134

a. Dependent Variable: EVCd_TpdN

b. Predictors in the Model: (Constant), PL_TSpdN

c. Predictors in the Model: (Constant), PL_TSpdN, S_d

d. Predictors in the Model: (Constant), PL_TSpdN, S_d, R_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	PL_TSpdN	S_d
1	1	1.898	1.000	.05	.05	
	2	.102	4.306	.95	.95	
2	1	2.776	1.000	.02	.02	.02
	2	.131	4.603	.67	.00	.66
	3	.093	5.478	.31	.98	.32
3	1	3.732	1.000	.00	.01	.00
	2	.170	4.685	.00	.06	.11
	3	.097	6.188	.00	.70	.14
	4	.000	150.331	1.00	.23	.75

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions
		R_d
1	1	
	2	
2	1	
	2	

	3	
3	1	.00
	2	.00
	3	.00
	4	1.00

a. Dependent Variable: EVCd_TpdN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00515539152 5477	.01685681007 8025	.01098901098 9011	.00278898685 0228
Std. Predicted Value	-2.092	2.104	.000	1.000
Standard Error of Predicted Value	.001	.002	.001	.000
Adjusted Predicted Value	.00580765726 0448	.01753115467 7272	.01102617149 3007	.00281208862 7919
Residual	- .01195866614 5802	.00826606433 8386	.00000000000 0000	.00501055703 7128
Std. Residual	-2.347	1.622	.000	.983
Stud. Residual	-2.402	1.659	-.004	1.004
Deleted Residual	- .01252950914 2041	.00864792801 4398	- .00003716050 3996	.00522521202 7759

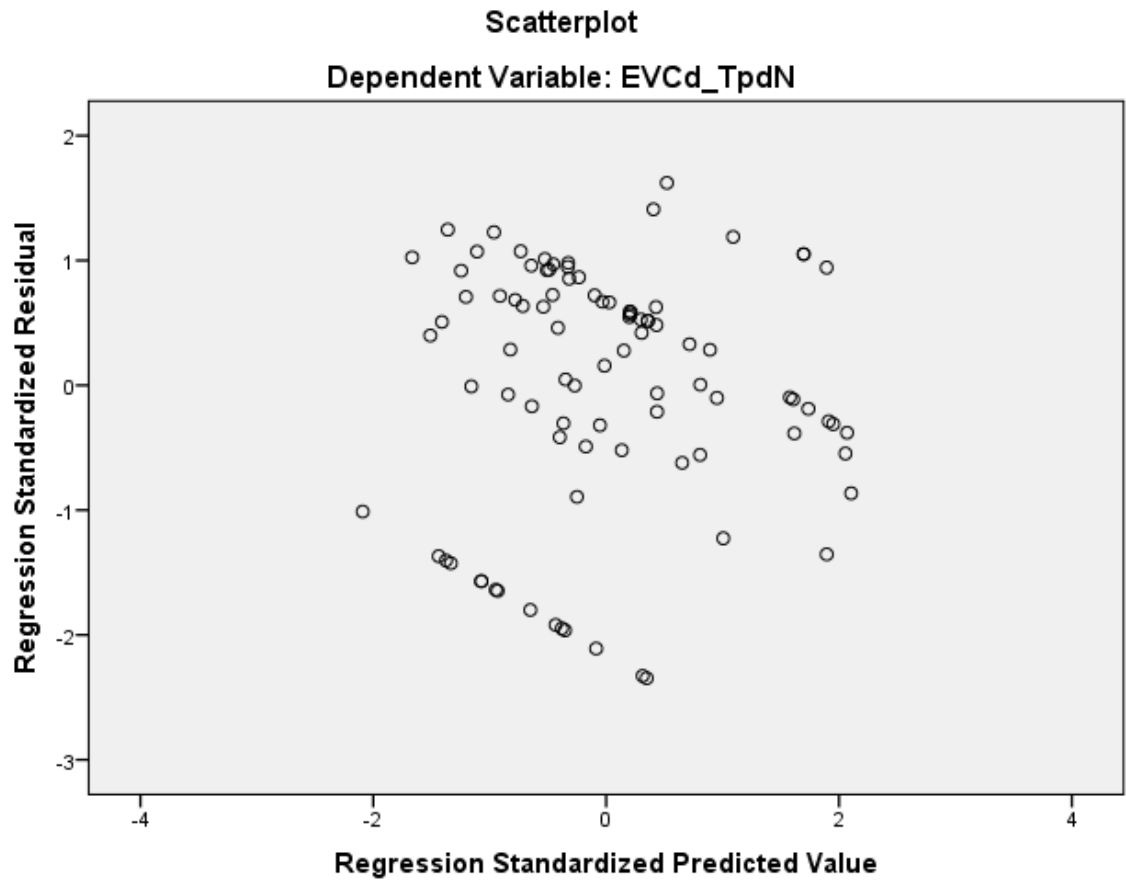
Stud. Deleted Residual	-2.471	1.676	-.008	1.013
Mahal. Distance	.048	19.309	2.967	3.464
Cook's Distance	.000	.080	.011	.015
Centered Leverage Value	.001	.215	.033	.038

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: EVCd_TpdN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT EVCd_TSpdN

/METHOD=STEPWISE PL_TpdN PL_TSpdN S_d R_d SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created		05-JUN-2015 14:08:59
Comments		
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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.

		Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax			REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT EVCd_TSpdN /METHOD=STEPWISE PL_TpdN PL_TSpdN S_d R_d SMSP_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time		00:00:00.20
	Elapsed Time		00:00:00.21
	Memory Required		6192 bytes
	Additional Memory Required for Residual Plots		0 bytes
Variables Created or Modified	COO_8		Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	PL_TSpdN		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: EVCd_TSpdN

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.365 ^a	.133	.123	.00521185235 7535

a. Predictors: (Constant), PL_TSpdN

b. Dependent Variable: EVCd_TSpdN

ANOVA^a

Model	Sum of Squares	df	Mean Square	F	Sig.
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1	Regression	.000	1	.000	13.652	.000 ^b
	Residual	.002	89	.000		
	Total	.003	90			

a. Dependent Variable: EVCd_TSpdN

b. Predictors: (Constant), PL_TSpdN

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.015	.001		12.181	.000
	PL_TSpdN	-.374	.101	-.365	-3.695	.000

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	PL_TSpdN	1.000	1.000

a. Dependent Variable: EVCd_TSpdN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpdN	-.178 ^b	-1.201	.233	-.127	.440	2.271
	S_d	.206 ^b	1.780	.079	.186	.708	1.413
	R_d	.029 ^b	.220	.827	.023	.559	1.788
	SMSP_d	.034 ^b	.337	.737	.036	.954	1.048

Excluded Variables^a

Model			Collinearity Statistics
			Minimum Tolerance
1	PL_TpdN		.440
	S_d		.708
	R_d		.559
	SMSP_d		.954

a. Dependent Variable: EVCd_TSpdN

b. Predictors in the Model: (Constant), PL_TSpdN

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition	Variance Proportions
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		Index	(Constant)	PL_TSpdN
1	1	1.898	1.000	.05
	2	.102	4.306	.95

a. Dependent Variable: EVCd_TSpdN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00638134451 5830	.01510048378 2589	.01098901098 9011	.00202984157 4682
Std. Predicted Value	-2.270	2.026	.000	1.000
Standard Error of Predicted Value	.001	.001	.001	.000
Adjusted Predicted Value	.00589073030 2781	.01570844836 5331	.01098502618 2576	.00204222103 8040
Residual	- .01089392043 6502	.00876409932 9710	.00000000000 0000	.00518281674 2436
Std. Residual	-2.090	1.682	.000	.994
Stud. Residual	-2.102	1.692	.000	1.004
Deleted Residual	- .01101523544 6393	.00887310970 5746	.00000398480 6435	.00528487458 7232
Stud. Deleted Residual	-2.144	1.710	-.005	1.015
Mahal. Distance	.000	5.153	.989	1.540

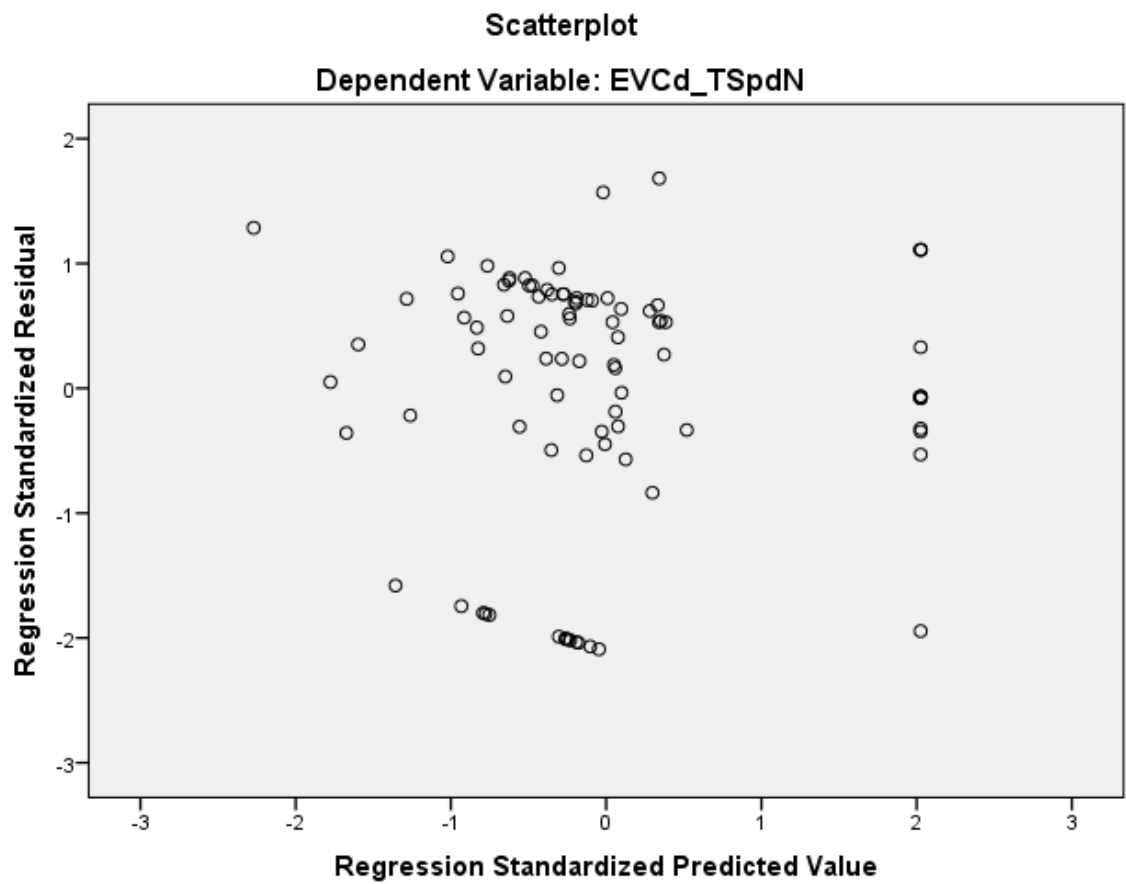
Cook's Distance	.000	.120	.010	.017
Centered Leverage Value	.000	.057	.011	.017

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: EVCd_TSpdN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT EVCd_TSpdN

/METHOD=STEPWISE Nodes Edges_d Reciprocity Den_d CC_d GD_d Tpaths_d TSpdN
AvgPL_d AvgGL_d PL_TpoutN PL_TSpoutN S_pro R_pro SMSP_d

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/SCATTERPLOT=(*ZRESID ,*ZPRED)
```

```
/SAVE COOK.
```

Regression

Notes

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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT ECout /METHOD=STEPWISE Nodes Edges_d Reciprocity Den_d CC_d GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d PL_TpoutN PL_TSpoutN S_pro R_pro SMSP_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.20
	Elapsed Time	00:00:00.18
	Memory Required	17520 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_9	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	Tpaths_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	Reciprocity		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: ECont

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.525 ^a	.276	.268	.00408084551 3159
2	.583 ^b	.340	.325	.00391696551 3281

a. Predictors: (Constant), Tpaths_d

b. Predictors: (Constant), Tpaths_d, Reciprocity

c. Dependent Variable: Ecout

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.001	1	.001	33.908	.000 ^b
	Residual	.001	89	.000		
	Total	.002	90			
2	Regression	.001	2	.000	22.704	.000 ^c
	Residual	.001	88	.000		
	Total	.002	90			

a. Dependent Variable: Ecout

b. Predictors: (Constant), Tpaths_d

c. Predictors: (Constant), Tpaths_d, Reciprocity

Coefficients^a

Model	Unstandardized Coefficients	Standardized Coefficients	t	Sig.
-------	-----------------------------	---------------------------	---	------

		B	Std. Error	Beta		
1	(Constant)	.021	.002		11.711	.000
	Tpaths_d	-.935	.161	-.525	-5.823	.000
2	(Constant)	.020	.002		11.608	.000
	Tpaths_d	-.819	.159	-.460	-5.144	.000
	Reciprocity	-.044	.015	-.262	-2.933	.004

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	Tpaths_d	1.000	1.000
2	(Constant)		
	Tpaths_d	.938	1.066
	Reciprocity	.938	1.066

a. Dependent Variable: Ecout

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	Nodes	.133 ^b	1.126	.263	.119	.585	1.708

	Edges_d	.128 ^b	1.060	.292	.112	.562	1.781
	Reciprocity	-.262 ^b	-2.933	.004	-.298	.938	1.066
	Den_d	.056 ^b	.404	.687	.043	.429	2.332
	CC_d	-.053 ^b	-.570	.570	-.061	.932	1.073
	GD_d	-.109 ^b	-.906	.367	-.096	.560	1.784
	TSpaths_d	.313 ^b	.538	.592	.057	.024	41.244
	AvgPL_d	-.075 ^b	-.437	.663	-.047	.278	3.593
	AvgGL_d	.012 ^b	.078	.938	.008	.327	3.056
	PL_TpoutN	-.106 ^b	-1.174	.244	-.124	.987	1.013
	PL_TSpoutN	.017 ^b	.182	.856	.019	.938	1.066
	S_pro	-.055 ^b	-.594	.554	-.063	.947	1.056
	R_pro	.083 ^b	.920	.360	.098	.999	1.001
	SMSP_d	-.053 ^b	-.570	.570	-.061	.932	1.073
2	Nodes	.051 ^c	.433	.666	.046	.547	1.828
	Edges_d	.044 ^c	.368	.713	.039	.525	1.904
	Den_d	.212 ^c	1.522	.132	.161	.379	2.637
	CC_d	.037 ^c	.387	.700	.041	.831	1.203
	GD_d	-.072 ^c	-.620	.537	-.066	.553	1.807
	TSpaths_d	-.341 ^c	-.568	.572	-.061	.021	47.873
	AvgPL_d	.132 ^c	.740	.461	.079	.236	4.233
	AvgGL_d	.148 ^c	.938	.351	.100	.302	3.314
	PL_TpoutN	-.141 ^c	-1.614	.110	-.171	.971	1.029

PL_TSpoutN	-.022 ^c	-.244	.808	-.026	.918	1.089
S_pro	.011 ^c	.114	.909	.012	.888	1.126
R_pro	.097 ^c	1.115	.268	.119	.996	1.004
SMSP_d	.037 ^c	.387	.700	.041	.831	1.203

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	Nodes	.585
	Edges_d	.562
	Reciprocity	.938
	Den_d	.429
	CC_d	.932
	GD_d	.560
	TSpats_d	.024
	AvgPL_d	.278
	AvgGL_d	.327
	PL_TpoutN	.987
	PL_TSpoutN	.938
	S_pro	.947
	R_pro	.999
	SMSP_d	.932

2	Nodes	.513
	Edges_d	.493
	Den_d	.356
	CC_d	.831
	GD_d	.553
	TSpaths_d	.020
	AvgPL_d	.236
	AvgGL_d	.302
	PL_TpoutN	.919
	PL_TSpoutN	.866
	S_pro	.860
	R_pro	.935
	SMSP_d	.831

a. Dependent Variable: Ecout

b. Predictors in the Model: (Constant), Tpaths_d

c. Predictors in the Model: (Constant), Tpaths_d, Reciprocity

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	Tpaths_d	Reciprocity

1	1	1.972	1.000	.01	.01	
	2	.028	8.369	.99	.99	
2	1	2.217	1.000	.01	.01	.06
	2	.756	1.712	.01	.00	.89
	3	.027	9.070	.98	.99	.04

a. Dependent Variable: ECont

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	- .00250430894 0843	.01424111519 0089	.01098901098 9011	.00278223167 3113
Std. Predicted Value	-4.850	1.169	.000	1.000
Standard Error of Predicted Value	.000	.002	.001	.000
Adjusted Predicted Value	- .00413190107 7926	.01420851517 4687	.01096307322 9720	.00287339016 7784
Residual	- .01192448940 1281	.00550998887 0472	.00000000000 0000	.00387319916 1813
Std. Residual	-3.044	1.407	.000	.989
Stud. Residual	-3.064	1.442	.003	1.004

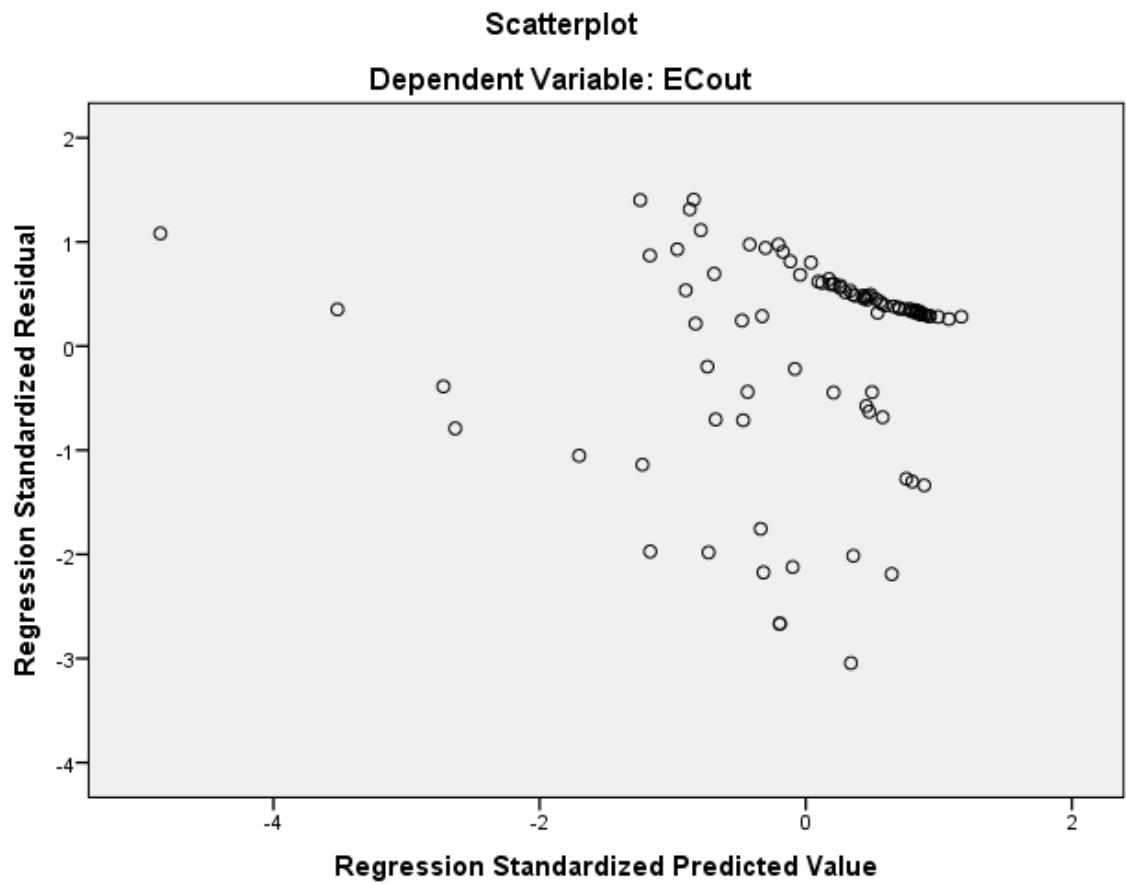
Deleted Residual	-	.00586498249	.00002593775	.00400252599
	.01207927428	3222	9291	0637
	1859			
Stud. Deleted Residual	-3.223	1.451	-.005	1.023
Mahal. Distance	.151	23.987	1.978	4.288
Cook's Distance	.000	.207	.012	.027
Centered Leverage Value	.002	.267	.022	.048

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: ECont

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT PL_EVCoutN

/METHOD=STEPWISE Nodes Edges_d Reciprocity Den_d CC_d GD_d Tpaths_d TSpats_d
AvgPL_d AvgGL_d PL_TpoutN PL_TSpoutN S_pro R_pro SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created	05-JUN-2015 15:24:15	
Comments		
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	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91

Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION
		/MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT PL_EVCoutN /METHOD=STEPWISE Nodes Edges_d Reciprocity Den_d CC_d GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d PL_TpoutN PL_TSpoutN S_pro R_pro SMSP_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.19
	Elapsed Time	00:00:00.19
	Memory Required	17552 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_10	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	Reciprocity		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	PL_TSpoutN		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: PL_EVCoutN

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.572 ^a	.327	.319	.01324319452 1080

2	.653 ^b	.426	.413	.01229782166 8821
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a. Predictors: (Constant), Reciprocity

b. Predictors: (Constant), Reciprocity, PL_TSpoutN

c. Dependent Variable: PL_EVCoutN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.008	1	.008	43.197	.000 ^b
	Residual	.016	89	.000		
	Total	.023	90			
2	Regression	.010	2	.005	32.652	.000 ^c
	Residual	.013	88	.000		
	Total	.023	90			

a. Dependent Variable: PL_EVCoutN

b. Predictors: (Constant), Reciprocity

c. Predictors: (Constant), Reciprocity, PL_TSpoutN

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.007	.001		4.982	.000
	Reciprocity	.324	.049	.572	6.572	.000
2	(Constant)	.003	.002		1.429	.157
	Reciprocity	.338	.046	.596	7.356	.000
	PL_TSpoutN	.422	.108	.316	3.900	.000

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	Reciprocity	1.000	1.000
2	(Constant)		
	Reciprocity	.994	1.006
	PL_TSpoutN	.994	1.006

a. Dependent Variable: PL_EVCoutN

Excluded Variables^a

Model	Beta In	t	Sig.	Partial	Collinearity Statistics
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					Correlation	Tolerance	VIF
1	Nodes	.111 ^b	1.281	.204	.135	.999	1.001
	Edges_d	.122 ^b	1.414	.161	.149	1.000	1.000
	Den_d	-.184 ^b	-2.152	.034	-.224	.999	1.001
	CC_d	.038 ^b	.408	.684	.043	.862	1.161
	GD_d	.256 ^b	2.978	.004	.303	.939	1.064
	Tpaths_d	.188 ^b	2.139	.035	.222	.938	1.066
	TSpaths_d	.197 ^b	2.279	.025	.236	.964	1.037
	AvgPL_d	.148 ^b	1.565	.121	.165	.832	1.203
	AvgGL_d	.159 ^b	1.724	.088	.181	.871	1.148
	PL_TpoutN	.248 ^b	2.956	.004	.301	.992	1.008
	PL_TSpoutN	.316 ^b	3.900	.000	.384	.994	1.006
	S_pro	.003 ^b	.035	.972	.004	.968	1.033
	R_pro	.253 ^b	3.032	.003	.308	.998	1.002
	SMSP_d	.038 ^b	.408	.684	.043	.862	1.161
2	Nodes	.103 ^c	1.279	.204	.136	.998	1.002
	Edges_d	.112 ^c	1.391	.168	.147	.998	1.002
	Den_d	-.072 ^c	-.822	.413	-.088	.849	1.178
	CC_d	.020 ^c	.232	.817	.025	.859	1.164
	GD_d	.136 ^c	1.456	.149	.154	.742	1.348
	Tpaths_d	.107 ^c	1.231	.222	.131	.866	1.155
	TSpaths_d	.114 ^c	1.334	.186	.142	.883	1.132

AvgPL_d	.060 ^c	.655	.514	.070	.773	1.294
AvgGL_d	.057 ^c	.617	.539	.066	.782	1.280
PL_TpoutN	.051 ^c	.446	.656	.048	.504	1.983
S_pro	.053 ^c	.636	.527	.068	.946	1.057
R_pro	.135 ^c	1.488	.140	.157	.781	1.280
SMSP_d	.020 ^c	.232	.817	.025	.859	1.164

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	Nodes	.999
	Edges_d	1.000
	Den_d	.999
	CC_d	.862
	GD_d	.939
	Tpaths_d	.938
	TSpaths_d	.964
	AvgPL_d	.832
	AvgGL_d	.871
	PL_TpoutN	.992
	PL_TSpoutN	.994
	S_pro	.968

	R_pro	.998
	SMSP_d	.862
2	Nodes	.993
	Edges_d	.993
	Den_d	.845
	CC_d	.854
	GD_d	.742
	Tpaths_d	.866
	TSpaths_d	.883
	AvgPL_d	.773
	AvgGL_d	.782
	PL_TpoutN	.504
	S_pro	.946
	R_pro	.778
	SMSP_d	.854

a. Dependent Variable: PL_EVCoutN

b. Predictors in the Model: (Constant), Reciprocity

c. Predictors in the Model: (Constant), Reciprocity, PL_TSpoutN

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	Reciprocity	PL_TSpoutN
1	1	1.364	1.000	.32	.32	
	2	.636	1.464	.68	.68	
2	1	1.859	1.000	.12	.08	.11
	2	.842	1.486	.01	.80	.12
	3	.299	2.494	.87	.12	.76

a. Dependent Variable: PL_EVCoutN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00264207553 1185	.05135053768 7540	.01098901098 9011	.01047549717 0322
Std. Predicted Value	-.797	3.853	.000	1.000
Standard Error of Predicted Value	.001	.005	.002	.001
Adjusted Predicted Value	.00212733750 2316	.05772010236 9785	.01104616466 5755	.01074516515 9912
Residual	- .02669887244 7014	.04476630687 7136	.00000000000 0000	.01216041152 7318
Std. Residual	-2.171	3.640	.000	.989
Stud. Residual	-2.416	3.747	-.002	1.013

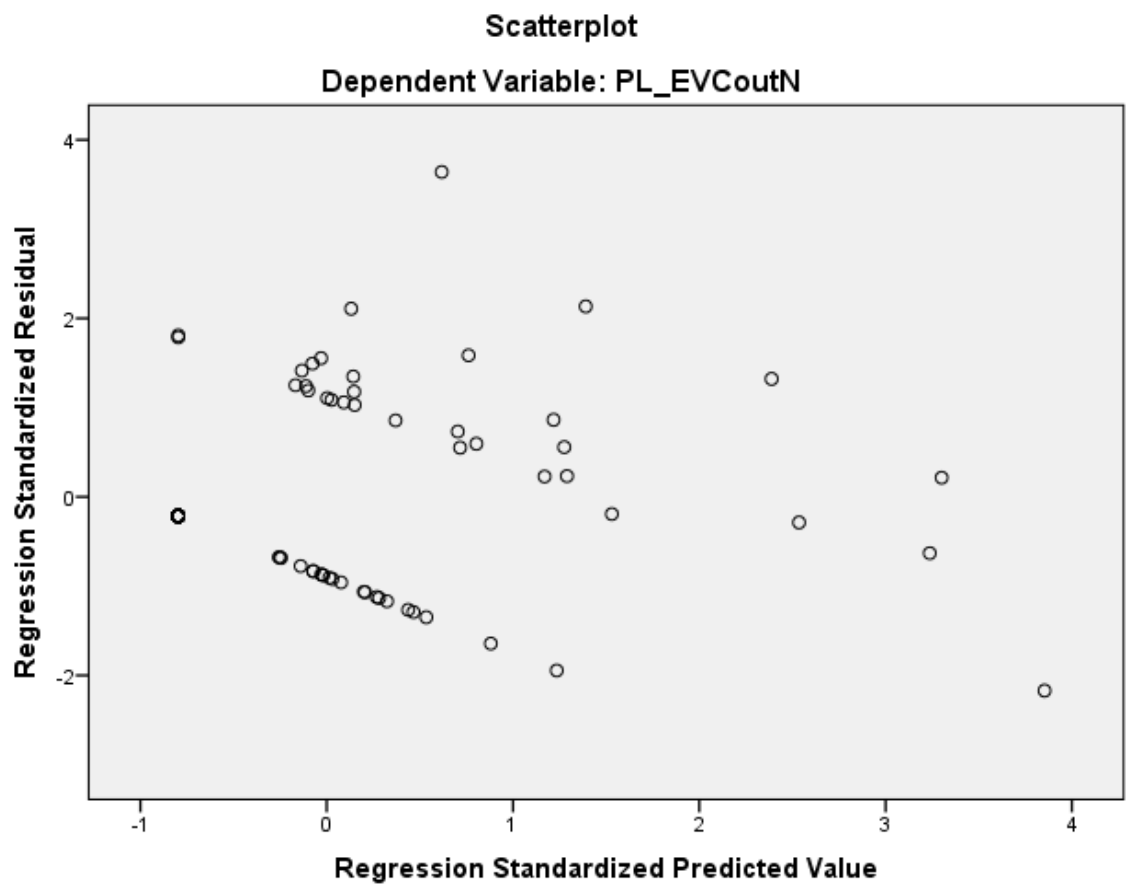
Deleted Residual	-	.04744342714	-	.01277169030
	.03306844085	5481	.00005715367	7997
	4549		6744	
Stud. Deleted Residual	-2.486	4.064	.003	1.034
Mahal. Distance	.145	16.612	1.978	2.963
Cook's Distance	.000	.464	.017	.058
Centered Leverage Value	.002	.185	.022	.033

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: PL_EVCoutN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT EVCut_TpoutN

/METHOD=STEPWISE Nodes Edges_d Reciprocity Den_d CC_d GD_d Tpaths_d TSpats_d
AvgPL_d AvgGL_d PL_TpoutN PL_TSpoutN S_pro R_pro SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created	05-JUN-2015 15:24:53	
Comments		
Input	Active Dataset	DataSet9
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91

Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION
		/MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT EVCut_TpoutN /METHOD=STEPWISE Nodes Edges_d Reciprocity Den_d CC_d GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d PL_TpoutN PL_TSpoutN S_pro R_pro SMSP_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.16
	Elapsed Time	00:00:00.19
	Memory Required	17600 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_11	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	R_pro		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	Den_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: EVCout_TpoutN

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.605 ^a	.366	.359	.01098262935 8324

2	.691 ^b	.478	.466	.01002952316 5963
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a. Predictors: (Constant), R_pro

b. Predictors: (Constant), R_pro, Den_d

c. Dependent Variable: EVCout_TpoutN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.006	1	.006	51.464	.000 ^b
	Residual	.011	89	.000		
	Total	.017	90			
2	Regression	.008	2	.004	40.215	.000 ^c
	Residual	.009	88	.000		
	Total	.017	90			

a. Dependent Variable: EVCout_TpoutN

b. Predictors: (Constant), R_pro

c. Predictors: (Constant), R_pro, Den_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.058	.007		8.727	.000
	R_pro	-4.250	.592	-.605	-7.174	.000
2	(Constant)	.064	.006		10.320	.000
	R_pro	-4.095	.542	-.583	-7.552	.000
	Den_d	-.750	.173	-.334	-4.327	.000

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	R_pro	1.000	1.000
2	(Constant)		
	R_pro	.996	1.004
	Den_d	.996	1.004

a. Dependent Variable: EVCout_TpoutN

Excluded Variables^a

Model	Beta In	t	Sig.	Partial	Collinearity Statistics
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					Correlation	Tolerance	VIF
1	Nodes	.174 ^b	2.074	.041	.216	.976	1.025
	Edges_d	.171 ^b	2.037	.045	.212	.980	1.020
	Reciprocity	.046 ^b	.546	.586	.058	.998	1.002
	Den_d	-.334 ^b	-4.327	.000	-.419	.996	1.004
	CC_d	.136 ^b	1.623	.108	.170	.994	1.006
	GD_d	.254 ^b	2.855	.005	.291	.835	1.197
	Tpaths_d	.305 ^b	3.884	.000	.383	.999	1.001
	TSpaths_d	.325 ^b	4.194	.000	.408	.997	1.003
	AvgPL_d	.215 ^b	2.622	.010	.269	.993	1.007
	AvgGL_d	.277 ^b	3.471	.001	.347	.996	1.004
	PL_TpoutN	.205 ^b	2.258	.026	.234	.822	1.216
	PL_TSpoutN	.294 ^b	3.252	.002	.328	.787	1.270
	S_pro	-.003 ^b	-.032	.974	-.003	.869	1.151
	SMSP_d	.136 ^b	1.623	.108	.170	.994	1.006
2	Nodes	-.027 ^c	-.287	.774	-.031	.659	1.518
	Edges_d	-.034 ^c	-.352	.726	-.038	.658	1.520
	Reciprocity	.055 ^c	.705	.483	.075	.998	1.002
	CC_d	.106 ^c	1.367	.175	.145	.986	1.015
	GD_d	.084 ^c	.839	.403	.090	.600	1.666
	Tpaths_d	.123 ^c	1.042	.300	.111	.428	2.334
	TSpaths_d	.161 ^c	1.253	.214	.133	.355	2.814

AvgPL_d	.090 ^c	1.053	.295	.112	.816	1.225
AvgGL_d	.156 ^c	1.817	.073	.191	.785	1.274
PL_TpoutN	.154 ^c	1.820	.072	.192	.804	1.244
PL_TSpoutN	.149 ^c	1.528	.130	.162	.611	1.637
S_pro	.154 ^c	1.744	.085	.184	.745	1.342
SMSP_d	.106 ^c	1.367	.175	.145	.986	1.015

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	Nodes	.976
	Edges_d	.980
	Reciprocity	.998
	Den_d	.996
	CC_d	.994
	GD_d	.835
	Tpaths_d	.999
	TSpaths_d	.997
	AvgPL_d	.993
	AvgGL_d	.996
	PL_TpoutN	.822
	PL_TSpoutN	.787

	S_pro	.869
	SMSP_d	.994
2	Nodes	.659
	Edges_d	.658
	Reciprocity	.994
	CC_d	.986
	GD_d	.600
	Tpaths_d	.427
	TSpaths_d	.355
	AvgPL_d	.816
	AvgGL_d	.784
	PL_TpoutN	.804
	PL_TSpoutN	.611
	S_pro	.745
	SMSP_d	.986

a. Dependent Variable: EVCout_TpoutN

b. Predictors in the Model: (Constant), R_pro

c. Predictors in the Model: (Constant), R_pro, Den_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	R_pro	Den_d
1	1	1.985	1.000	.01	.01	
	2	.015	11.396	.99	.99	
2	1	2.819	1.000	.00	.00	.03
	2	.166	4.125	.02	.03	.96
	3	.015	13.646	.97	.96	.01

a. Dependent Variable: EVCout_TpoutN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	- .00451407395 3032	.03341288492 0835	.01098901098 9011	.00948126969 0802
Std. Predicted Value	-1.635	2.365	.000	1.000
Standard Error of Predicted Value	.001	.004	.002	.000
Adjusted Predicted Value	- .00574675668 0310	.03332742676 1389	.01094622660 0891	.00948974107 2443
Residual	- .01885926537 2157	.02873173169 7917	.00000000000 0000	.00991745793 7294
Std. Residual	-1.880	2.865	.000	.989

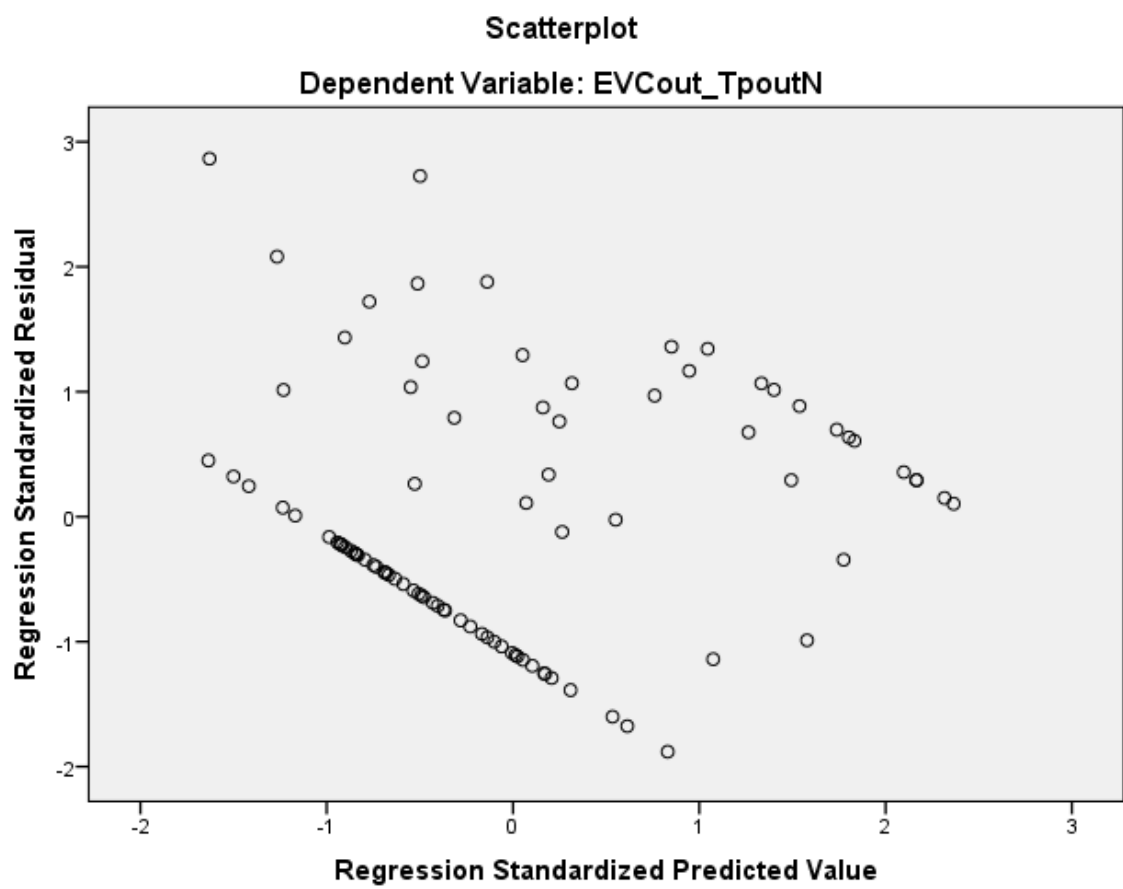
Stud. Residual	-1.902	2.928	.002	1.004
Deleted Residual	-			
	.01930563338	.03001880832	.00004278438	.01022981067
	1009	0165	8120	8240
Stud. Deleted Residual	-1.932	3.065	.006	1.017
Mahal. Distance	.086	10.199	1.978	1.577
Cook's Distance	.000	.128	.010	.018
Centered Leverage Value	.001	.113	.022	.018

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: EVCout_TpoutN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT EVCout_TSpoutN

/METHOD=STEPWISE Nodes Edges_d Reciprocity Den_d CC_d GD_d Tpaths_d TSpaths_d
AvgPL_d AvgGL_d PL_TpoutN PL_TSpoutN S_pro R_pro SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created		05-JUN-2015 15:25:25
Comments		
Input	Active Dataset	DataSet9
	Filter	<none>
	Weight	<none>
	Split File	<none>

	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT EVCout_TSpoutN /METHOD=STEPWISE Nodes Edges_d Reciprocity Den_d CC_d GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d PL_TpoutN PL_TSpoutN S_pro R_pro SMSP_d /SCATTERPLOT=(*ZRESID,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.19
	Elapsed Time	00:00:00.18
	Memory Required	17632 bytes
	Additional Memory Required for Residual Plots	0 bytes

Variables Created or Modified	COO_12	Cook's Distance
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Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	R_pro		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	Den_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
3	PL_TpoutN		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: EVCout_TSpoutN

Model Summary^d

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.616 ^a	.379	.372	.01088417621 8036
2	.699 ^b	.488	.476	.00993802574 7349
3	.716 ^c	.512	.495	.00975694243 8334

a. Predictors: (Constant), R_pro

b. Predictors: (Constant), R_pro, Den_d

c. Predictors: (Constant), R_pro, Den_d, PL_TpoutN

d. Dependent Variable: EVCout_TSpoutN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.006	1	.006	54.286	.000 ^b
	Residual	.011	89	.000		
	Total	.017	90			

2	Regression	.008	2	.004	41.934	.000 ^c
	Residual	.009	88	.000		
	Total	.017	90			
3	Regression	.009	3	.003	30.435	.000 ^d
	Residual	.008	87	.000		
	Total	.017	90			

a. Dependent Variable: EVCout_TSpoutN

b. Predictors: (Constant), R_pro

c. Predictors: (Constant), R_pro, Den_d

d. Predictors: (Constant), R_pro, Den_d, PL_TpoutN

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.059	.007		8.933	.000
	R_pro	-4.326	.587	-.616	-7.368	.000
2	(Constant)	.065	.006		10.542	.000
	R_pro	-4.172	.537	-.594	-7.765	.000
	Den_d	-.744	.172	-.331	-4.330	.000
3	(Constant)	.068	.006		10.930	.000

R_pro	-4.695	.585	-.668	-8.029	.000
Den_d	-.692	.171	-.308	-4.055	.000
PL_TpoutN	.213	.103	.173	2.073	.041

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	R_pro	1.000	1.000
2	(Constant)		
	R_pro	.996	1.004
	Den_d	.996	1.004
3	(Constant)		
	R_pro	.810	1.235
	Den_d	.974	1.027
	PL_TpoutN	.804	1.244

a. Dependent Variable: EVCout_TSpoutN

Excluded Variables^a

Model	Beta In	t	Sig.	Partial	Collinearity Statistics
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					Correlation	Tolerance	VIF	Minimum Tolerance
1	Nodes	.168 ^b	2.025	.046	.211	.976	1.025	.976
	Edges_d	.165 ^b	1.982	.051	.207	.980	1.020	.980
	Reciprocity	.040 ^b	.477	.634	.051	.998	1.002	.998
	Den_d	-.331 ^b	-4.330	.000	-.419	.996	1.004	.996
	CC_d	.113 ^b	1.352	.180	.143	.994	1.006	.994
	GD_d	.255 ^b	2.900	.005	.295	.835	1.197	.835
	Tpaths_d	.292 ^b	3.737	.000	.370	.999	1.001	.999
	TSpaths_d	.315 ^b	4.090	.000	.400	.997	1.003	.997
	AvgPL_d	.203 ^b	2.490	.015	.257	.993	1.007	.993
	AvgGL_d	.267 ^b	3.376	.001	.339	.996	1.004	.996
	PL_TpoutN	.223 ^b	2.493	.015	.257	.822	1.216	.822
	PL_TSpout N	.289 ^b	3.223	.002	.325	.787	1.270	.787
	S_pro	-.002 ^b	-.019	.985	-.002	.869	1.151	.869
	SMSP_d	.113 ^b	1.352	.180	.143	.994	1.006	.994
2	Nodes	-.033 ^c	-.350	.727	-.038	.659	1.518	.659
	Edges_d	-.040 ^c	-.423	.673	-.045	.658	1.520	.658
	Reciprocity	.048 ^c	.629	.531	.067	.998	1.002	.994
	CC_d	.082 ^c	1.072	.286	.114	.986	1.015	.986
	GD_d	.088 ^c	.889	.376	.095	.600	1.666	.600
	Tpaths_d	.098 ^c	.841	.403	.090	.428	2.334	.427

	TSpaths_d	.140 ^c	1.098	.275	.117	.355	2.814	.355
	AvgPL_d	.077 ^c	.906	.367	.097	.816	1.225	.816
	AvgGL_d	.146 ^c	1.712	.090	.181	.785	1.274	.784
	PL_TpoutN	.173 ^c	2.073	.041	.217	.804	1.244	.804
	PL_TSpout N	.145 ^c	1.494	.139	.158	.611	1.637	.611
	S_pro	.154 ^c	1.762	.082	.186	.745	1.342	.745
	SMSP_d	.082 ^c	1.072	.286	.114	.986	1.015	.986
3	Nodes	-.016 ^d	-.167	.868	-.018	.653	1.532	.652
	Edges_d	-.022 ^d	-.234	.816	-.025	.652	1.534	.647
	Reciprocity	.068 ^d	.894	.374	.096	.984	1.017	.793
	CC_d	.079 ^d	1.049	.297	.112	.985	1.015	.804
	GD_d	.036 ^d	.352	.726	.038	.555	1.801	.555
	Tpaths_d	.087 ^d	.761	.449	.082	.428	2.339	.425
	TSpaths_d	.126 ^d	1.002	.319	.107	.354	2.823	.354
	AvgPL_d	.057 ^d	.684	.496	.074	.805	1.242	.793
	AvgGL_d	.121 ^d	1.419	.160	.151	.765	1.308	.765
	PL_TSpout N	.029 ^d	.226	.821	.024	.357	2.804	.357
	S_pro	.155 ^d	1.812	.073	.192	.745	1.342	.719
	SMSP_d	.079 ^d	1.049	.297	.112	.985	1.015	.804

a. Dependent Variable: EVCout_TSpoutN

b. Predictors in the Model: (Constant), R_pro

c. Predictors in the Model: (Constant), R_pro, Den_d

d. Predictors in the Model: (Constant), R_pro, Den_d, PL_TpoutN

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	R_pro	Den_d
1	1	1.985	1.000	.01	.01	
	2	.015	11.396	.99	.99	
2	1	2.819	1.000	.00	.00	.03
	2	.166	4.125	.02	.03	.96
	3	.015	13.646	.97	.96	.01
3	1	3.394	1.000	.00	.00	.02
	2	.453	2.737	.00	.00	.11
	3	.140	4.927	.04	.03	.87
	4	.013	15.927	.95	.97	.00

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions
		PL_TpoutN
1	1	
	2	
2	1	

	2	
	3	
3	1	.02
	2	.66
	3	.20
	4	.12

a. Dependent Variable: EVCout_TSpoutN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	- .00636545475 5723	.03324624523 5205	.01098901098 9011	.00982749128 6537
Std. Predicted Value	-1.766	2.265	.000	1.000
Standard Error of Predicted Value	.001	.004	.002	.001
Adjusted Predicted Value	- .00683747604 4893	.03530578315 2580	.01097418747 6305	.00989319960 6345
Residual	- .02213610336 1845	.02681081183 2547	.00000000000 0000	.00959294853 2827
Std. Residual	-2.269	2.748	.000	.983
Stud. Residual	-2.324	2.802	.001	1.005

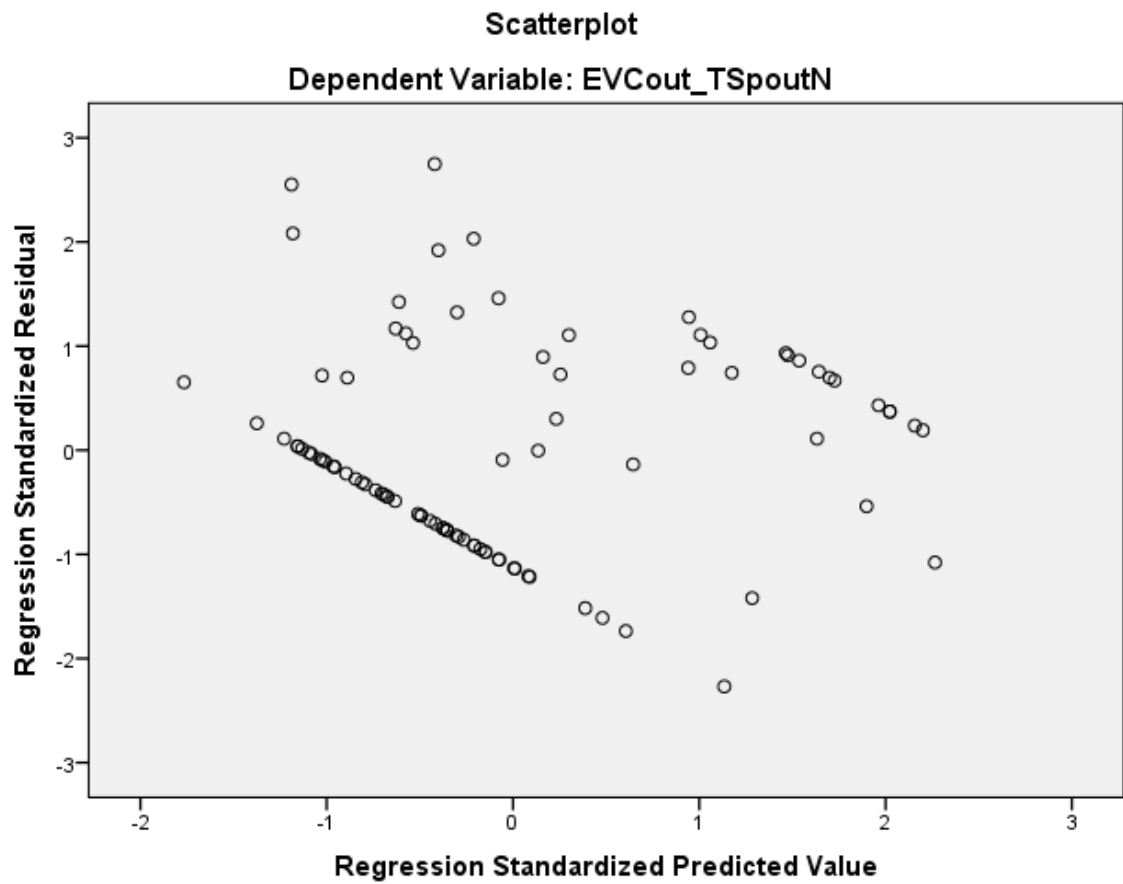
Deleted Residual	- .02322505787 0150	.02786887064 5761	.00001482351 2706	.01002183123 8242
Stud. Deleted Residual	-2.386	2.920	.004	1.017
Mahal. Distance	.347	16.828	2.967	2.425
Cook's Distance	.000	.154	.011	.021
Centered Leverage Value	.004	.187	.033	.027

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: EVCout_TSpoutN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

```

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT Ecout

/METHOD=STEPWISE GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

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Regression

Notes

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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION
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Resources	Processor Time	00:00:00.17
	Elapsed Time	00:00:00.17
	Memory Required	5920 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_1	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	Tpaths_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: Ecout

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.525 ^a	.276	.268	.00408084551 3159

a. Predictors: (Constant), Tpaths_d

b. Dependent Variable: Ecout

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.001	1	.001	33.908	.000 ^b
	Residual	.001	89	.000		
	Total	.002	90			

a. Dependent Variable: ECont

b. Predictors: (Constant), Tpaths_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.021	.002		11.711	.000
	Tpaths_d	-.935	.161	-.525	-5.823	.000

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	Tpaths_d	1.000	1.000

a. Dependent Variable: ECont

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	GD_d	-.109 ^b	-.906	.367	-.096	.560	1.784
	TSpaths_d	.313 ^b	.538	.592	.057	.024	41.244
	AvgPL_d	-.075 ^b	-.437	.663	-.047	.278	3.593
	AvgGL_d	.012 ^b	.078	.938	.008	.327	3.056

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	GD_d	.560
	TSpaths_d	.024
	AvgPL_d	.278
	AvgGL_d	.327

a. Dependent Variable: ECont

b. Predictors in the Model: (Constant), Tpaths_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions	
				(Constant)	Tpaths_d
1	1	1.972	1.000	.01	.01
	2	.028	8.369	.99	.99

a. Dependent Variable: Ecout

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	- .00069223775 0627	.01414852775 6333	.01098901098 9011	.00250483959 4759
Std. Predicted Value	-4.663	1.261	.000	1.000
Standard Error of Predicted Value	.000	.002	.001	.000
Adjusted Predicted Value	- .00151207053 5682	.01411327160 8949	.01098226191 5269	.00253576855 4763
Residual	- .01150385476 6488	.00653629237 7859	.00000000000 0000	.00405811082 0871
Std. Residual	-2.819	1.602	.000	.994
Stud. Residual	-2.835	1.641	.001	1.004

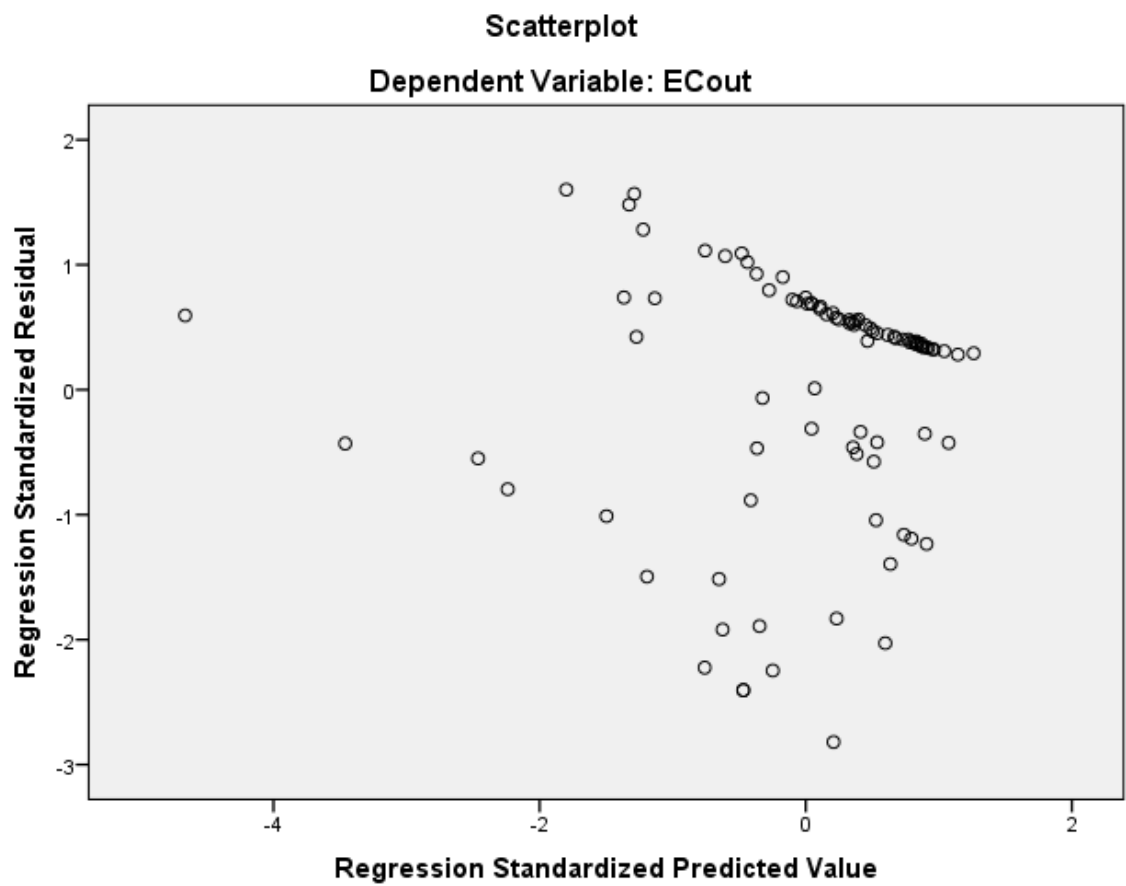
Deleted Residual	-	.00685844430	.00000674907	.00413775198
	.01163737848	6999	3742	0026
	4011			
Stud. Deleted Residual	-2.956	1.657	-.005	1.018
Mahal. Distance	.000	21.748	.989	2.673
Cook's Distance	.000	.080	.010	.015
Centered Leverage Value	.000	.242	.011	.030

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: ECont

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

```

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT PL_EVCoutN

/METHOD=STEPWISE GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

```

Regression

Notes

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	N of Rows in Working Data File	91

Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION
		/MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT PL_EVCoutN /METHOD=STEPWISE GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.20
	Elapsed Time	00:00:00.28
	Memory Required	5952 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_2	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	GD_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: PL_EVCoutN

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.381 ^a	.145	.136	.01492057617 9167

a. Predictors: (Constant), GD_d

b. Dependent Variable: PL_EVCoutN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.003	1	.003	15.145	.000 ^b
	Residual	.020	89	.000		
	Total	.023	90			

a. Dependent Variable: PL_EVCoutN

b. Predictors: (Constant), GD_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-.002	.004		-.510	.611
	GD_d	1.170	.301	.381	3.892	.000

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	GD_d	1.000	1.000

a. Dependent Variable: PL_EVCoutN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	Tpaths_d	.118 ^b	.903	.369	.096	.560	1.784
	TSpaths_d	.092 ^b	.720	.474	.077	.589	1.699
	AvgPL_d	.162 ^b	1.087	.280	.115	.430	2.327
	AvgGL_d	.125 ^b	.821	.414	.087	.414	2.414

Excluded Variables^a

Model		Collinearity Statistics	
		Minimum Tolerance	
1	Tpaths_d	.560	
	TSpaths_d	.589	
	AvgPL_d	.430	
	AvgGL_d	.414	

a. Dependent Variable: PL_EVCoutN

b. Predictors in the Model: (Constant), GD_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions	
				(Constant)	GD_d
1	1	1.904	1.000	.05	.05
	2	.096	4.448	.95	.95

a. Dependent Variable: PL_EVCoutN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00493572326 3770	.03213815018 5347	.01098901098 9011	.00612059240 9593
Std. Predicted Value	-.989	3.455	.000	1.000
Standard Error of Predicted Value	.002	.006	.002	.001
Adjusted Predicted Value	.00387833570 1302	.03752939403 0571	.01102858350 9268	.00630034267 5215
Residual	- .03213815018 5347	.05048826709 3897	.00000000000 0000	.01483745254 5325
Std. Residual	-2.154	3.384	.000	.994
Stud. Residual	-2.328	3.403	-.001	1.007
Deleted Residual	- .03752939403 0571	.05105780065 0597	- .00003957252 0257	.01520916931 4555

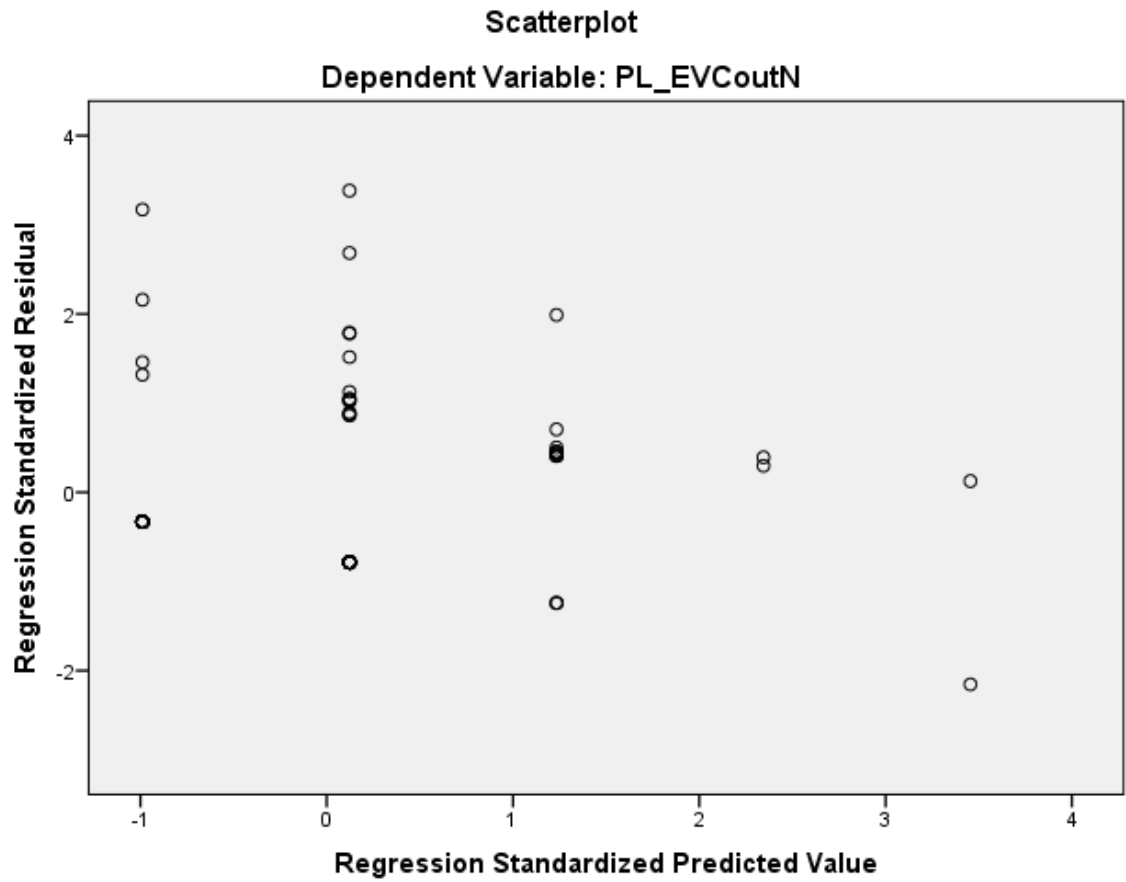
Stud. Deleted Residual	-2.388	3.628	.006	1.029
Mahal. Distance	.015	11.940	.989	1.890
Cook's Distance	.001	.454	.013	.050
Centered Leverage Value	.000	.133	.011	.021

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: PL_EVCoutN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

```

/DEPENDENT EVCut_TpoutN

/METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

```

Regression

Notes

Output Created		05-JUN-2015 15:20:23
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	Split File	<none>
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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.

Syntax	Cases Used	Statistics are based on cases with no missing values for any variable used.	
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Resources	Processor Time		00:00:00.17
	Elapsed Time		00:00:00.17
	Memory Required	6000 bytes	
	Additional Memory Required for Residual Plots	0 bytes	
Variables Created or Modified	COO_3	Cook's Distance	

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	TSpaths_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	GD_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: EVCout_TpoutN

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.356 ^a	.127	.117	.01289279367 8872
2	.494 ^b	.244	.226	.01206763615 4498

a. Predictors: (Constant), TSpaths_d

b. Predictors: (Constant), TSpaths_d, GD_d

c. Dependent Variable: EVCout_TpoutN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.002	1	.002	12.926	.001 ^b
	Residual	.015	89	.000		
	Total	.017	90			
2	Regression	.004	2	.002	14.171	.000 ^c
	Residual	.013	88	.000		
	Total	.017	90			

a. Dependent Variable: EVCout_TpoutN

b. Predictors: (Constant), TSpaths_d

c. Predictors: (Constant), TSpaths_d, GD_d

Coefficients^a

Model	Unstandardized Coefficients	Standardized Coefficients	t	Sig.
-------	-----------------------------	---------------------------	---	------

		B	Std. Error	Beta		
1	(Constant)	-.011	.006		-1.773	.080
	TSpaths_d	2.019	.562	.356	3.595	.001
2	(Constant)	-.016	.006		-2.665	.009
	TSpaths_d	3.639	.685	.642	5.311	.000
	GD_d	-1.168	.317	-.445	-3.686	.000

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	TSpaths_d	1.000	1.000
2	(Constant)		
	TSpaths_d	.589	1.699
	GD_d	.589	1.699

a. Dependent Variable: EVCout_TpoutN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	GD_d	-.445 ^b	-3.686	.000	-.366	.589	1.699

	Tpaths_d	-1.140 ^b	-1.815	.073	-.190	.024	41.244
	AvgPL_d	-.300 ^b	-1.905	.060	-.199	.384	2.603
	AvgGL_d	-.119 ^b	-.728	.468	-.077	.367	2.727
2	Tpaths_d	-.638 ^c	-1.039	.302	-.111	.023	43.912
	AvgPL_d	-.011 ^c	-.063	.950	-.007	.276	3.618
	AvgGL_d	.272 ^c	1.497	.138	.158	.256	3.903

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	GD_d	.589
	Tpaths_d	.024
	AvgPL_d	.384
	AvgGL_d	.367
2	Tpaths_d	.023
	AvgPL_d	.276
	AvgGL_d	.256

a. Dependent Variable: EVCout_TpoutN

b. Predictors in the Model: (Constant), TSpats_d

c. Predictors in the Model: (Constant), TSpats_d, GD_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	TSpaths_d	GD_d
1	1	1.977	1.000	.01	.01	
	2	.023	9.240	.99	.99	
2	1	2.882	1.000	.01	.00	.01
	2	.101	5.334	.14	.01	.66
	3	.017	13.057	.85	.99	.32

a. Dependent Variable: EVCout_TpoutN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	- .00377619382 9253	.03514005243 7782	.01098901098 9011	.00677191101 5730
Std. Predicted Value	-2.180	3.566	.000	1.000
Standard Error of Predicted Value	.001	.005	.002	.001
Adjusted Predicted Value	- .00463813822 7165	.03526975214 4814	.01101778833 2524	.00698853111 5544
Residual	- .02691953629 2553	.02616023458 5404	.00000000000 0000	.01193279799 8908

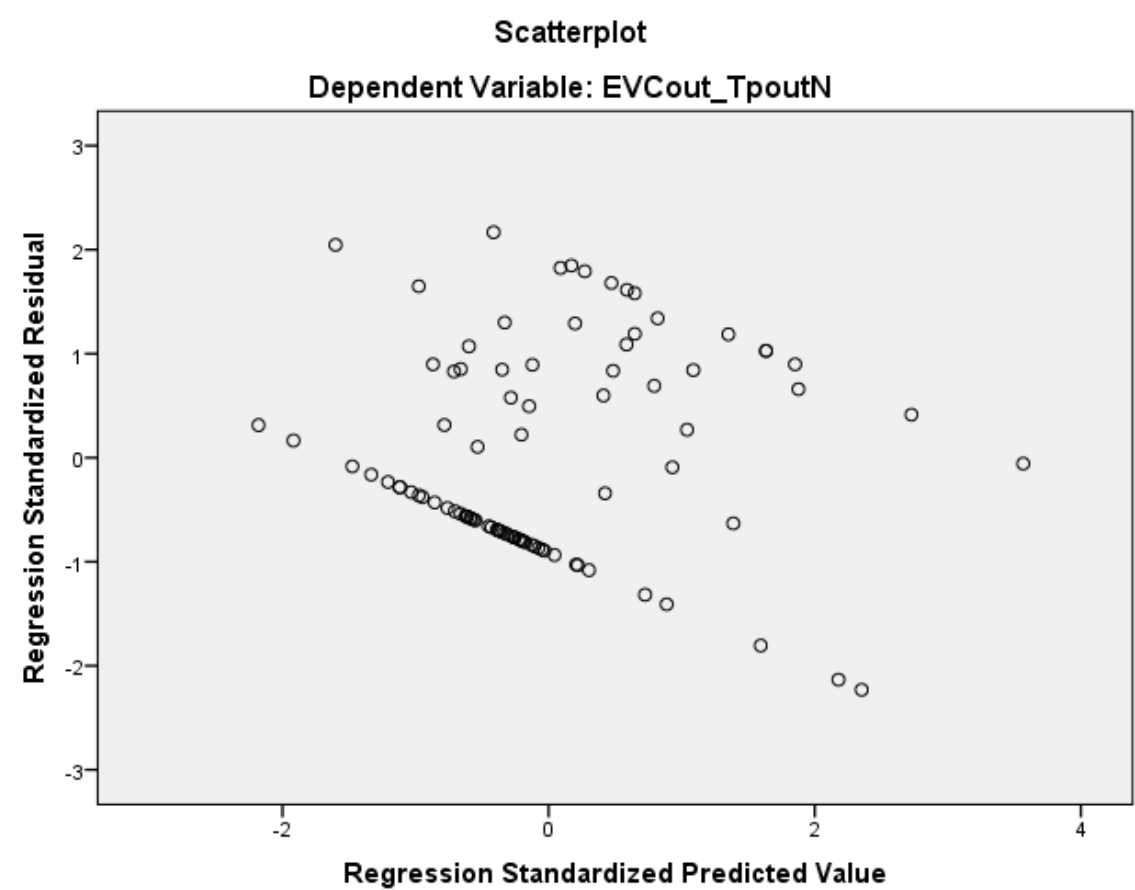
Std. Residual	-2.231	2.168	.000	.989
Stud. Residual	-2.409	2.182	-.001	1.009
Deleted Residual	-	.02729564346	-	.01242812952
	.03139463067	3731	.00002877734	4750
	0547		3513	
Stud. Deleted Residual	-2.478	2.231	.000	1.017
Mahal. Distance	.017	15.736	1.978	2.971
Cook's Distance	.000	.322	.014	.040
Centered Leverage Value	.000	.175	.022	.033

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: EVCout_TpoutN

Charts



REGRESSION

```

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT EVCut_TSpoutN

/METHOD=STEPWISE GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

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Regression

Notes

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	N of Rows in Working Data File	91
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	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT EVCout_TSpoutN /METHOD=STEPWISE GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.17
	Elapsed Time	00:00:00.23
	Memory Required	6032 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_4	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	TSpaths_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	GD_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: EVCout_TSpoutN

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.347 ^a	.120	.110	.01295361946 3163

2	.484 ^b	.235	.217	.01215141799 0899
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a. Predictors: (Constant), TSpaths_d

b. Predictors: (Constant), TSpaths_d, GD_d

c. Dependent Variable: EVCout_TSpoutN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.002	1	.002	12.161	.001 ^b
	Residual	.015	89	.000		
	Total	.017	90			
2	Regression	.004	2	.002	13.479	.000 ^c
	Residual	.013	88	.000		
	Total	.017	90			

a. Dependent Variable: EVCout_TSpoutN

b. Predictors: (Constant), TSpaths_d

c. Predictors: (Constant), TSpaths_d, GD_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-.011	.006		-1.675	.097
	TSpaths_d	1.968	.564	.347	3.487	.001
2	(Constant)	-.016	.006		-2.546	.013
	TSpaths_d	3.572	.690	.629	5.177	.000
	GD_d	-1.157	.319	-.441	-3.625	.000

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	TSpaths_d	1.000	1.000
2	(Constant)		
	TSpaths_d	.589	1.699
	GD_d	.589	1.699

a. Dependent Variable: EVCout_TSpoutN

Excluded Variables^a

Model	Beta In	t	Sig.	Partial	Collinearity Statistics
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					Correlation	Tolerance	VIF
1	GD_d	-.441 ^b	-3.625	.000	-.360	.589	1.699
	Tpaths_d	-1.270 ^b	-2.023	.046	-.211	.024	41.244
	AvgPL_d	-.314 ^b	-1.993	.049	-.208	.384	2.603
	AvgGL_d	-.126 ^b	-.767	.445	-.082	.367	2.727
2	Tpaths_d	-.782 ^c	-1.270	.207	-.135	.023	43.912
	AvgPL_d	-.036 ^c	-.199	.842	-.021	.276	3.618
	AvgGL_d	.258 ^c	1.407	.163	.149	.256	3.903

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	GD_d	.589
	Tpaths_d	.024
	AvgPL_d	.384
	AvgGL_d	.367
2	Tpaths_d	.023
	AvgPL_d	.276
	AvgGL_d	.256

a. Dependent Variable: EVCout_TSpoutN

b. Predictors in the Model: (Constant), TSpaths_d

c. Predictors in the Model: (Constant), TSpaths_d, GD_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	TSpaths_d	GD_d
1	1	1.977	1.000	.01	.01	
	2	.023	9.240	.99	.99	
2	1	2.882	1.000	.01	.00	.01
	2	.101	5.334	.14	.01	.66
	3	.017	13.057	.85	.99	.32

a. Dependent Variable: EVCout_TSpoutN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	- .00368651445 0237	.03474571183 3239	.01098901098 9011	.00665045510 5528
Std. Predicted Value	-2.207	3.572	.000	1.000
Standard Error of Predicted Value	.001	.005	.002	.001
Adjusted Predicted Value	- .00452798884 3620	.03479529544 7111	.01102151459 3627	.00687334179 3846

Residual	- .02650026232 0042	.02614052221 1790	.00000000000 0000	.01201564369 6023
Std. Residual	-2.181	2.151	.000	.989
Stud. Residual	-2.355	2.212	-.001	1.009
Deleted Residual	- .03090565837 9197	.02826273255 0502	- .00003250360 4616	.01251918861 1788
Stud. Deleted Residual	-2.419	2.264	.000	1.017
Mahal. Distance	.017	15.736	1.978	2.971
Cook's Distance	.000	.307	.014	.040
Centered Leverage Value	.000	.175	.022	.033

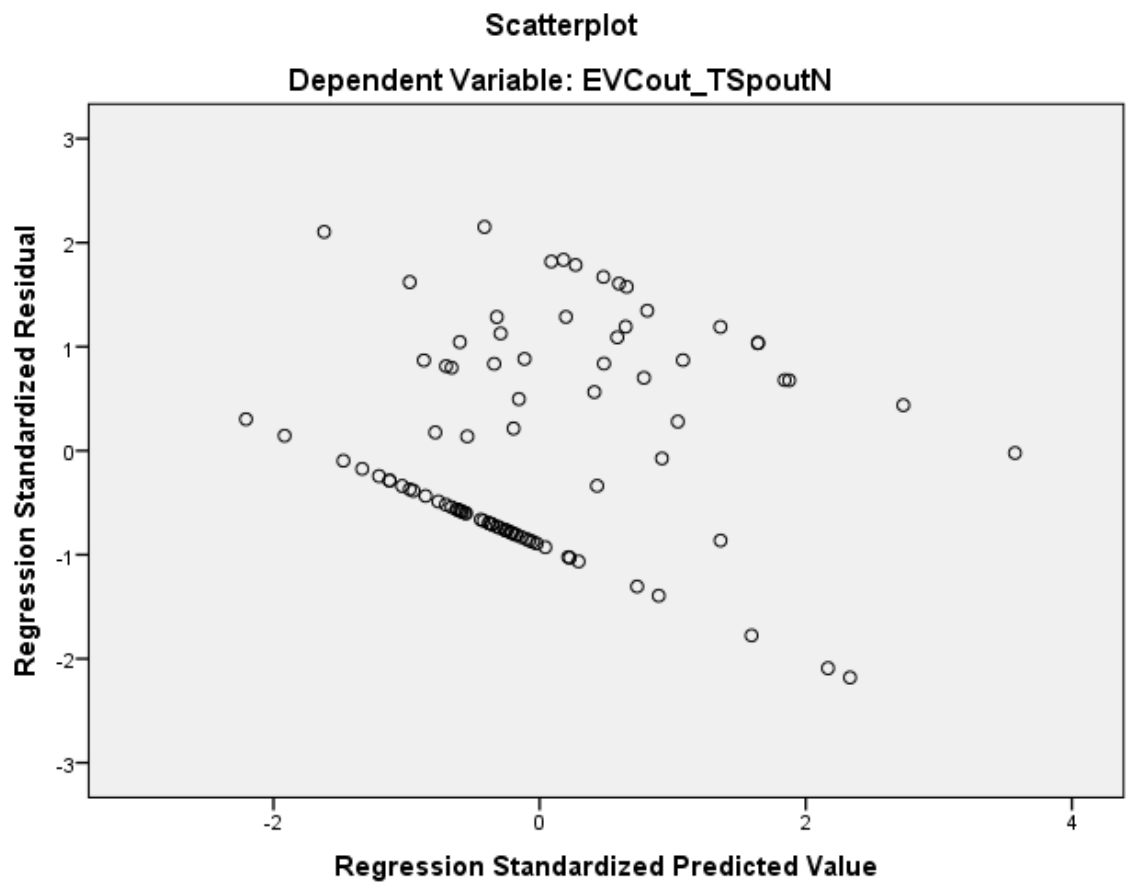
Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91

Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: EVCout_TSpoutN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT PL_TpoutN

/METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created	05-JUN-2015 15:02:50
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Input	Active Dataset
	DataSet8

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	Split File	<none>	
	N of Rows in Working Data File		91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.	
	Cases Used	Statistics are based on cases with no missing values for any variable used.	
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT PL_TpoutN /METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.	
Resources	Processor Time		00:00:00.20
	Elapsed Time		00:00:00.21
	Memory Required	6112 bytes	

	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_6	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	GD_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	Tpaths_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: PL_TpoutN

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.426 ^a	.182	.172	.01016714376 3203
2	.482 ^b	.232	.214	.00990567762 2104

a. Predictors: (Constant), GD_d

b. Predictors: (Constant), GD_d, Tpaths_d

c. Dependent Variable: PL_TpoutN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.002	1	.002	19.757	.000 ^b
	Residual	.009	89	.000		
	Total	.011	90			
2	Regression	.003	2	.001	13.287	.000 ^c
	Residual	.009	88	.000		
	Total	.011	90			

a. Dependent Variable: PL_TpoutN

b. Predictors: (Constant), GD_d

c. Predictors: (Constant), GD_d, Tpaths_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.001	.002		.395	.693
	GD_d	.910	.205	.426	4.445	.000
2	(Constant)	.010	.004		2.239	.028
	GD_d	1.335	.267	.625	5.007	.000
	Tpaths_d	-1.250	.521	-.300	-2.400	.018

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	GD_d	1.000	1.000
2	(Constant)		
	GD_d	.560	1.784
	Tpaths_d	.560	1.784

a. Dependent Variable: PL_TpoutN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	Tpaths_d	-.300 ^b	-2.400	.018	-.248	.560	1.784
	TSpaths_d	-.268 ^b	-2.190	.031	-.227	.589	1.699
	AvgPL_d	-.317 ^b	-2.215	.029	-.230	.430	2.327
	AvgGL_d	-.270 ^b	-1.835	.070	-.192	.414	2.414
2	TSpaths_d	.447 ^c	.739	.462	.079	.024	41.808
	AvgPL_d	-.149 ^c	-.736	.464	-.079	.213	4.704
	AvgGL_d	-.075 ^c	-.394	.695	-.042	.240	4.173

Excluded Variables^a

Model		Collinearity Statistics	
		Minimum Tolerance	
1	Tpaths_d	.560	
	TSpaths_d	.589	
	AvgPL_d	.430	
	AvgGL_d	.414	
2	TSpaths_d	.023	

AvgPL_d	.213
AvgGL_d	.240

- a. Dependent Variable: PL_TpoutN
- b. Predictors in the Model: (Constant), GD_d
- c. Predictors in the Model: (Constant), GD_d, Tpaths_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	GD_d	Tpaths_d
1	1	1.904	1.000	.05	.05	
	2	.096	4.448	.95	.95	
2	1	2.881	1.000	.01	.01	.00
	2	.099	5.388	.20	.62	.01
	3	.020	12.022	.79	.36	.99

- a. Dependent Variable: PL_TpoutN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
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Predicted Value	- .00194182805 7170	.03309184685 3495	.01098901098 9011	.00538263126 4364
Std. Predicted Value	-2.402	4.106	.000	1.000
Standard Error of Predicted Value	.001	.005	.002	.001
Adjusted Predicted Value	- .00226158602 1632	.03619802370 6675	.01106073804 1537	.00559490233 2803
Residual	- .01821659877 8963	.02879209257 6623	.00000000000 0000	.00979499618 5960
Std. Residual	-1.839	2.907	.000	.989
Stud. Residual	-1.868	2.940	-.003	1.004
Deleted Residual	- .01880181580 7819	.02944792434 5732	- .00007172705 2526	.01009959224 0666
Stud. Deleted Residual	-1.896	3.078	.001	1.017
Mahal. Distance	.015	21.984	1.978	3.390
Cook's Distance	.000	.164	.011	.023
Centered Leverage Value	.000	.244	.022	.038

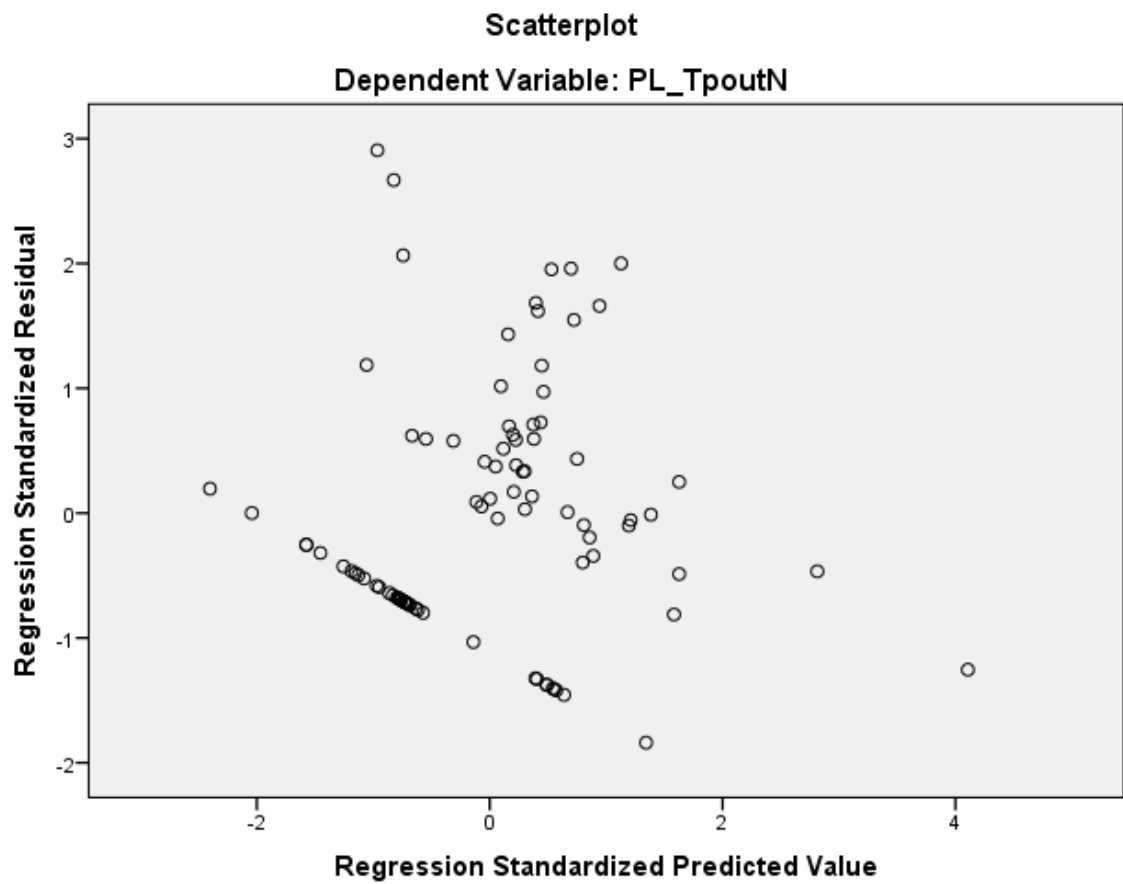
Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91

Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: PL_TpoutN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT PL_TSpoutN

/METHOD=STEPWISE GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION
		/MISSING LISTWISE
		/STATISTICS COEFF OUTS R
		ANOVA COLLIN TOL
		/CRITERIA=PIN(.05) POUT(.10)
		/NOORIGIN
		/DEPENDENT PL_TSpoutN
		/METHOD=STEPWISE GD_d
		Tpaths_d TSpaths_d AvgPL_d
		AvgGL_d
		/SCATTERPLOT=(*ZRESID
		,*ZPRED)
		/SAVE COOK.
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	Required for Residual	0 bytes
Plots		
Variables Created or	COO_7	
Modified		Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
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1	GD_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
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a. Dependent Variable: PL_TSpoutN

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.424 ^a	.180	.171	.01095319628 3631

a. Predictors: (Constant), GD_d

b. Dependent Variable: PL_TSpoutN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.002	1	.002	19.530	.000 ^b
	Residual	.011	89	.000		

Total	.013	90			
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a. Dependent Variable: PL_TSpoutN

b. Predictors: (Constant), GD_d

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
1 (Constant)	.000	.003		.102	.919
GD_d	.975	.221	.424	4.419	.000

Coefficients^a

Model	Collinearity Statistics	
	Tolerance	VIF
1 (Constant)		
GD_d	1.000	1.000

a. Dependent Variable: PL_TSpoutN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	Tpaths_d	-.059 ^b	-.459	.647	-.049	.560	1.784
	TSpaths_d	-.006 ^b	-.049	.961	-.005	.589	1.699
	AvgPL_d	-.255 ^b	-1.763	.081	-.185	.430	2.327
	AvgGL_d	-.130 ^b	-.872	.386	-.093	.414	2.414

Excluded Variables^a

Model		Collinearity Statistics	
		Minimum Tolerance	
1	Tpaths_d	.560	
	TSpaths_d	.589	
	AvgPL_d	.430	
	AvgGL_d	.414	

a. Dependent Variable: PL_TSpoutN

b. Predictors in the Model: (Constant), GD_d

Collinearity Diagnostics^a

Model Dimension		Eigenvalue	Condition Index	Variance Proportions	
				(Constant)	GD_d

1	1	1.904	1.000	.05	.05
	2	.096	4.448	.95	.95

a. Dependent Variable: PL_TSpoutN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00594271766 0218	.02861988916 9931	.01098901098 9011	.00510240190 6291
Std. Predicted Value	-.989	3.455	.000	1.000
Standard Error of Predicted Value	.001	.004	.002	.001
Adjusted Predicted Value	.00514388550 0729	.03094697371 1252	.01103391006 4374	.00522574179 4859
Residual	- .01728130318 2244	.03574911504 9839	.00000000000 0000	.01089217521 6727
Std. Residual	-1.578	3.264	.000	.994
Stud. Residual	-1.600	3.300	-.002	1.004
Deleted Residual	- .01777704432 6067	.03654794767 4990	- .00004489907 5363	.01111463134 9639
Stud. Deleted Residual	-1.615	3.503	.005	1.024
Mahal. Distance	.015	11.940	.989	1.890
Cook's Distance	.000	.157	.010	.024

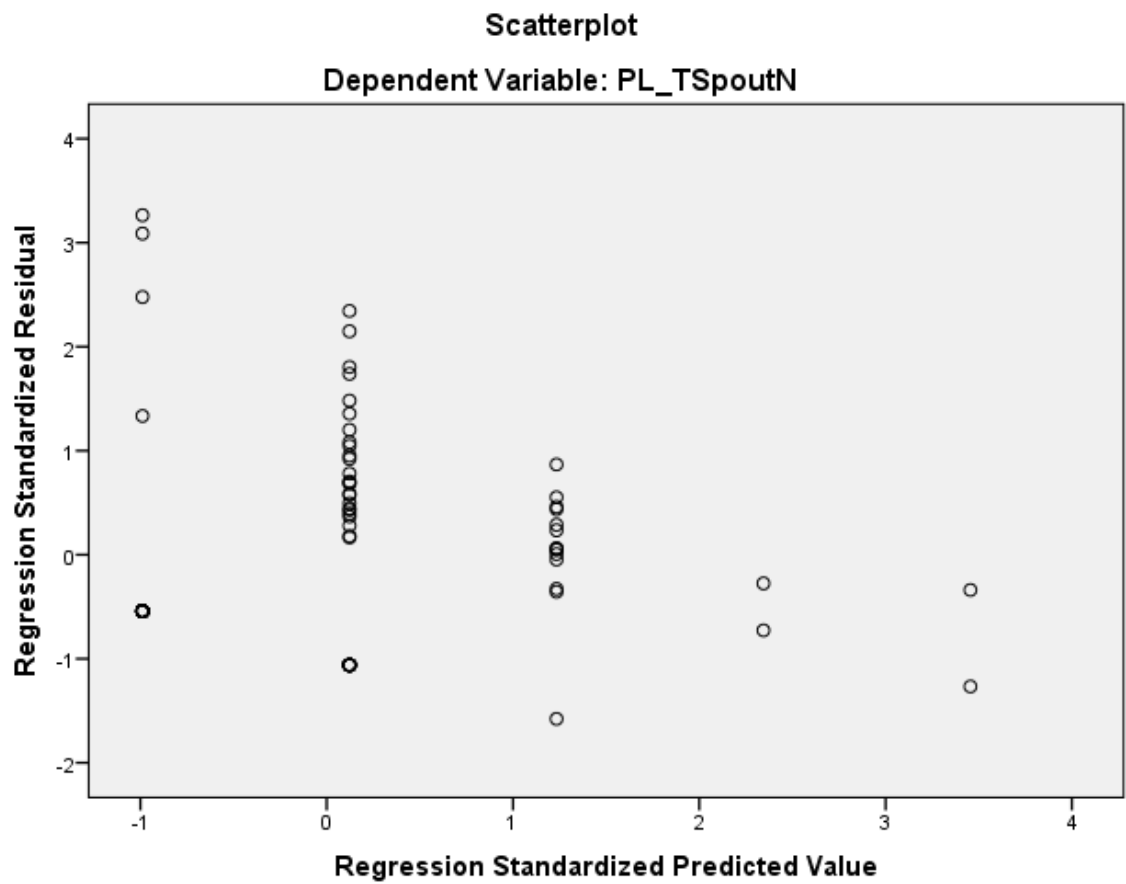
Centered Leverage Value	.000	.133	.011	.021
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Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: PL_TSpoutN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT S_pro

/METHOD=STEPWISE GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION
		/MISSING LISTWISE
		/STATISTICS COEFF OUTS R
		ANOVA COLLIN TOL
		/CRITERIA=PIN(.05) POUT(.10)
		/NOORIGIN
		/DEPENDENT S_pro
		/METHOD=STEPWISE GD_d
		Tpaths_d TSpaths_d AvgPL_d
		AvgGL_d
		/SCATTERPLOT=(*ZRESID
		,*ZPRED)
		/SAVE COOK.
Resources	Processor Time	00:00:00.16
	Elapsed Time	00:00:00.18
	Memory Required	6192 bytes
	Additional Memory	
	Required for Residual	0 bytes
Variables Created or Modified	Plots	
	COO_8	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
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1	TSpaths_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	GD_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: S_pro

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.252 ^a	.064	.053	.01982696430 6478
2	.471 ^b	.222	.204	.01817768542 3264

a. Predictors: (Constant), TSpaths_d

b. Predictors: (Constant), TSpaths_d, GD_d

c. Dependent Variable: S_pro

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.002	1	.002	6.044	.016 ^b
	Residual	.035	89	.000		
	Total	.037	90			
2	Regression	.008	2	.004	12.536	.000 ^c
	Residual	.029	88	.000		
	Total	.037	90			

a. Dependent Variable: S_pro

b. Predictors: (Constant), TSpaths_d

c. Predictors: (Constant), TSpaths_d, GD_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.034	.010		3.533	.001

	TSpaths_d	-2.123	.864	-.252	-2.458	.016
2	(Constant)	.043	.009		4.696	.000
	TSpaths_d	-4.922	1.032	-.585	-4.770	.000
	GD_d	2.018	.477	.518	4.229	.000

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	TSpaths_d	1.000	1.000
2	(Constant)		
	TSpaths_d	.589	1.699
	GD_d	.589	1.699

a. Dependent Variable: S_pro

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	GD_d	.518 ^b	4.229	.000	.411	.589	1.699
	Tpaths_d	.789 ^b	1.200	.233	.127	.024	41.244
	AvgPL_d	.387 ^b	2.403	.018	.248	.384	2.603

	AvgGL_d	.413 ^b	2.508	.014	.258	.367	2.727
2	Tpaths_d	.169 ^c	.270	.788	.029	.023	43.912
	AvgPL_d	.066 ^c	.368	.714	.039	.276	3.618
	AvgGL_d	.075 ^c	.401	.690	.043	.256	3.903

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	GD_d	.589
	Tpaths_d	.024
	AvgPL_d	.384
	AvgGL_d	.367
2	Tpaths_d	.023
	AvgPL_d	.276
	AvgGL_d	.256

a. Dependent Variable: S_pro

b. Predictors in the Model: (Constant), TSpaths_d

c. Predictors in the Model: (Constant), TSpaths_d, GD_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition	Variance Proportions
-------	-----------	------------	-----------	----------------------

			Index	(Constant)	TSpaths_d	GD_d
1	1	1.977	1.000	.01	.01	
	2	.023	9.240	.99	.99	
2	1	2.882	1.000	.01	.00	.01
	2	.101	5.334	.14	.01	.66
	3	.017	13.057	.85	.99	.32

a. Dependent Variable: S_pro

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	- .02394934743 6428	.03888941928 7443	.01098901098 9011	.00959442769 1802
Std. Predicted Value	-3.642	2.908	.000	1.000
Standard Error of Predicted Value	.002	.008	.003	.001
Adjusted Predicted Value	- .02846049517 3931	.03355689719 3193	.01082000107 4621	.00968601970 7280
Residual	- .02391914092 0043	.08755324035 8830	.00000000000 0000	.01797457641 7988
Std. Residual	-1.316	4.817	.000	.989
Stud. Residual	-1.383	4.855	.004	1.010

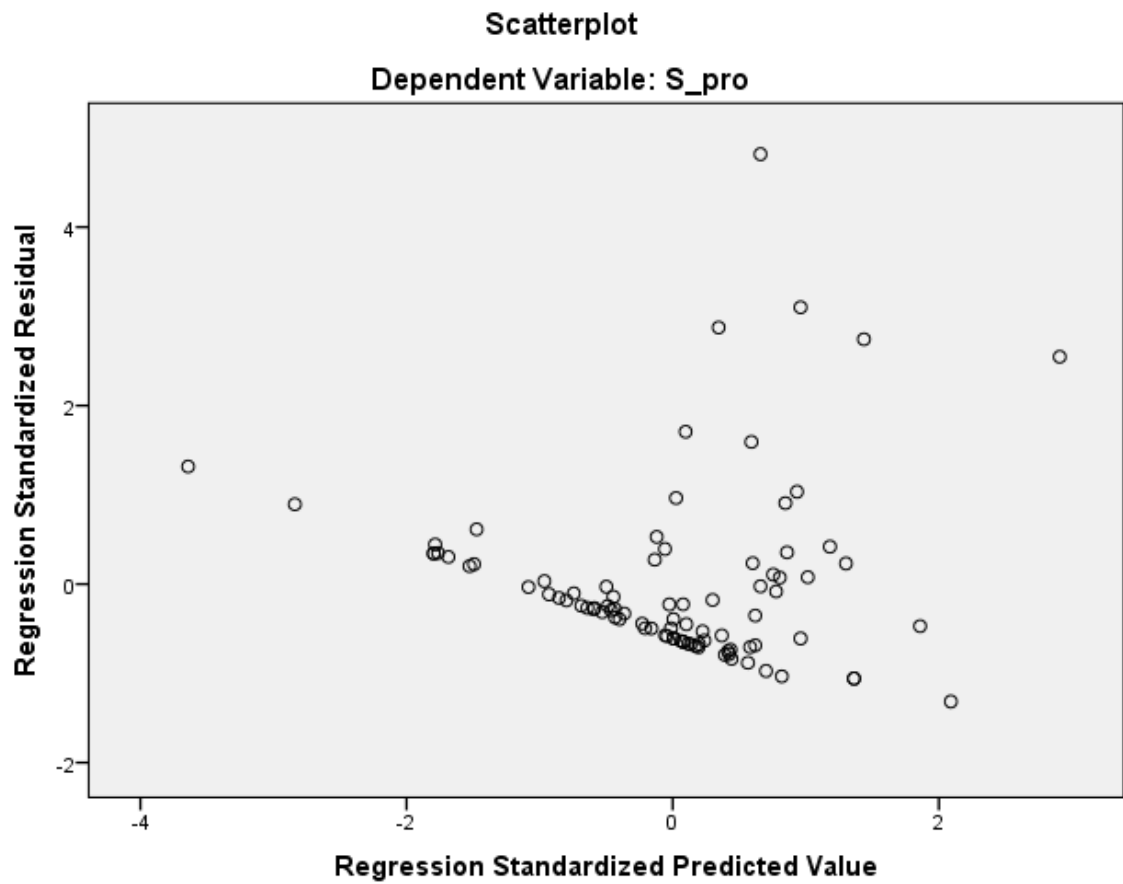
Deleted Residual	- .02643702924 2516	.08896840363 7409	.00016900991 4390	.01879869686 3972
Stud. Deleted Residual	-1.391	5.642	.020	1.072
Mahal. Distance	.017	15.736	1.978	2.971
Cook's Distance	.000	.606	.016	.067
Centered Leverage Value	.000	.175	.022	.033

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: S_pro

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL


```

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT R_pro

/METHOD=STEPWISE GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

```

Regression

Notes

Output Created	05-JUN-2015 15:04:05	
Comments		
Input	Active Dataset	DataSet8
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91

Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT R_pro /METHOD=STEPWISE GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.17
	Elapsed Time	00:00:00.17
	Memory Required	6240 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_9	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	GD_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	TSpats_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
3	AvgGL_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: R_pro

Model Summary^d

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.406 ^a	.165	.155	.00179612253 0770
2	.575 ^b	.331	.315	.00161693614 5722
3	.601 ^c	.361	.339	.00158825556 2388

a. Predictors: (Constant), GD_d

b. Predictors: (Constant), GD_d, TSpats_d

c. Predictors: (Constant), GD_d, TSpats_d, AvgGL_d

d. Dependent Variable: R_pro

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	17.541	.000 ^b
	Residual	.000	89	.000		
	Total	.000	90			
2	Regression	.000	2	.000	21.732	.000 ^c
	Residual	.000	88	.000		
	Total	.000	90			
3	Regression	.000	3	.000	16.418	.000 ^d

Residual	.000	87	.000		
Total	.000	90			

a. Dependent Variable: R_pro

b. Predictors: (Constant), GD_d

c. Predictors: (Constant), GD_d, TSpaths_d

d. Predictors: (Constant), GD_d, TSpaths_d, AvgGL_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.009	.000		21.193	.000
	GD_d	.152	.036	.406	4.188	.000
2	(Constant)	.013	.001		15.553	.000
	GD_d	.279	.042	.746	6.565	.000
	TSpaths_d	-.429	.092	-.531	-4.671	.000
3	(Constant)	.013	.001		15.964	.000
	GD_d	.335	.050	.897	6.713	.000
	TSpaths_d	-.284	.115	-.351	-2.474	.015
	AvgGL_d	-.223	.109	-.347	-2.051	.043

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	GD_d	1.000	1.000
2	(Constant)		
	GD_d	.589	1.699
	TSpaths_d	.589	1.699
3	(Constant)		
	GD_d	.411	2.431
	TSpaths_d	.364	2.746
	AvgGL_d	.256	3.903

a. Dependent Variable: R_pro

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	Tpaths_d	-.538 ^b	-4.610	.000	-.441	.560	1.784
	TSpaths_d	-.531 ^b	-4.671	.000	-.446	.589	1.699
	AvgPL_d	-.523 ^b	-3.798	.000	-.375	.430	2.327

	AvgGL_d	-.606 ^b	-4.423	.000	-.426	.414	2.414
2	Tpaths_d	-.134 ^c	-.231	.818	-.025	.023	43.912
	AvgPL_d	-.236 ^c	-1.433	.155	-.152	.276	3.618
	AvgGL_d	-.347 ^c	-2.051	.043	-.215	.256	3.903
3	Tpaths_d	.207 ^d	.349	.728	.038	.021	47.635
	AvgPL_d	.074 ^d	.276	.784	.030	.104	9.624

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	Tpaths_d	.560
	TSpaths_d	.589
	AvgPL_d	.430
	AvgGL_d	.414
2	Tpaths_d	.023
	AvgPL_d	.276
	AvgGL_d	.256
3	Tpaths_d	.021
	AvgPL_d	.096

a. Dependent Variable: R_pro

b. Predictors in the Model: (Constant), GD_d

c. Predictors in the Model: (Constant), GD_d, TSpaths_d

d. Predictors in the Model: (Constant), GD_d, TSpats_d, AvgGL_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	GD_d	TSpats_d
1	1	1.904	1.000	.05	.05	
	2	.096	4.448	.95	.95	
2	1	2.882	1.000	.01	.01	.00
	2	.101	5.334	.14	.66	.01
	3	.017	13.057	.85	.32	.99
3	1	3.866	1.000	.00	.00	.00
	2	.101	6.175	.15	.45	.01
	3	.022	13.276	.73	.49	.12
	4	.010	19.290	.12	.05	.87

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions
		AvgGL_d
1	1	
	2	
2	1	
	2	

	3	
3	1	.00
	2	.00
	3	.27
	4	.73

a. Dependent Variable: R_pro

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00828702840 9541	.01513862702 9955	.01098901098 9011	.00117495093 6650
Std. Predicted Value	-2.300	3.532	.000	1.000
Standard Error of Predicted Value	.000	.001	.000	.000
Adjusted Predicted Value	.00854641292 2442	.01526187825 9480	.01099458805 2042	.00117618691 7616
Residual	- .00404418678 9542	.00307340570 7255	.00000000000 0000	.00156156029 0353
Std. Residual	-2.546	1.935	.000	.983
Stud. Residual	-2.595	2.005	-.002	1.002
Deleted Residual	- .00419964082 5391	.00329840811 9008	- .00000557706 3031	.00162152281 9055

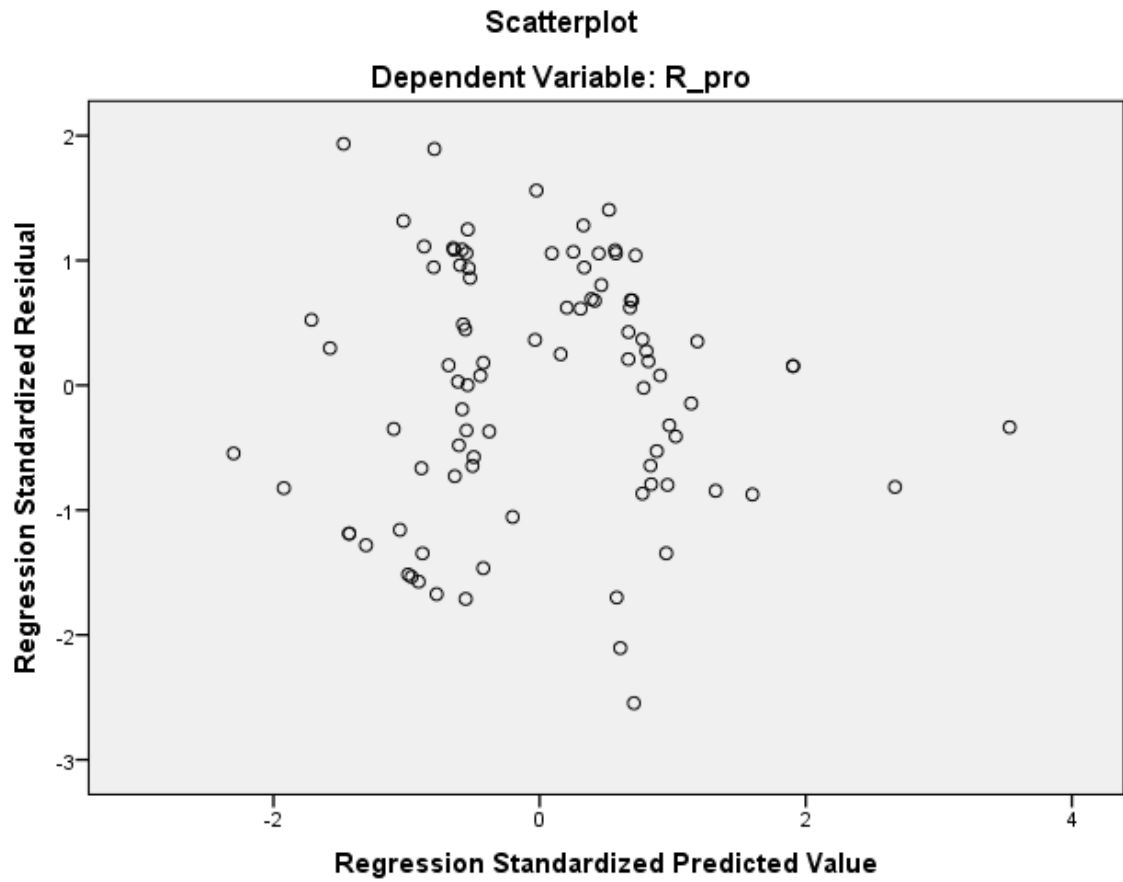
Stud. Deleted Residual	-2.686	2.041	-.004	1.010
Mahal. Distance	.068	19.758	2.967	3.967
Cook's Distance	.000	.074	.010	.013
Centered Leverage Value	.001	.220	.033	.044

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: R_pro

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT SMSP_d

/METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created	05-JUN-2015 15:04:26	
Comments		
Input	Active Dataset	DataSet8
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.

		Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax			REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT SMSP_d /METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time		00:00:00.19
	Elapsed Time		00:00:00.18
	Memory Required		6272 bytes
	Additional Memory Required for Residual Plots		0 bytes
Variables Created or Modified	COO_10		Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	AvgGL_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	GD_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: SMSP_d

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.382 ^a	.146	.137	.097
2	.458 ^b	.210	.192	.094

a. Predictors: (Constant), AvgGL_d

b. Predictors: (Constant), AvgGL_d, GD_d

c. Dependent Variable: SMSP_d

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.145	1	.145	15.242	.000 ^b
	Residual	.844	89	.009		
	Total	.989	90			
2	Regression	.207	2	.104	11.665	.000 ^c
	Residual	.782	88	.009		
	Total	.989	90			

a. Dependent Variable: SMSP_d

b. Predictors: (Constant), AvgGL_d

c. Predictors: (Constant), AvgGL_d, GD_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-.134	.038		-3.478	.001

	AvgGL_d	13.155	3.370	.382	3.904	.000
2	(Constant)	-.161	.039		-4.168	.000
	AvgGL_d	23.453	5.067	.682	4.629	.000
	GD_d	-7.834	2.950	-.391	-2.655	.009

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	AvgGL_d	1.000	1.000
2	(Constant)		
	AvgGL_d	.414	2.414
	GD_d	.414	2.414

a. Dependent Variable: SMSP_d

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	GD_d	-.391 ^b	-2.655	.009	-.272	.414	2.414
	Tpaths_d	-.161 ^b	-.938	.351	-.100	.327	3.056
	TSpaths_d	-.171 ^b	-1.057	.293	-.112	.367	2.727

	AvgPL_d	-.435 ^b	-1.478	.143	-.156	.109	9.162
2	Tpaths_d	-.120 ^c	-.718	.475	-.077	.324	3.084
	TSpaths_d	-.137 ^c	-.873	.385	-.093	.364	2.746
	AvgPL_d	-.326 ^c	-1.123	.265	-.120	.107	9.385

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	GD_d	.414
	Tpaths_d	.327
	TSpaths_d	.367
	AvgPL_d	.109
2	Tpaths_d	.240
	TSpaths_d	.256
	AvgPL_d	.103

a. Dependent Variable: SMSP_d

b. Predictors in the Model: (Constant), AvgGL_d

c. Predictors in the Model: (Constant), AvgGL_d, GD_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition	Variance Proportions
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			Index	(Constant)	AvgGL_d	GD_d
1	1	1.964	1.000	.02	.02	
	2	.036	7.388	.98	.98	
2	1	2.884	1.000	.01	.00	.01
	2	.096	5.471	.32	.00	.41
	3	.019	12.228	.67	1.00	.58

a. Dependent Variable: SMSP_d

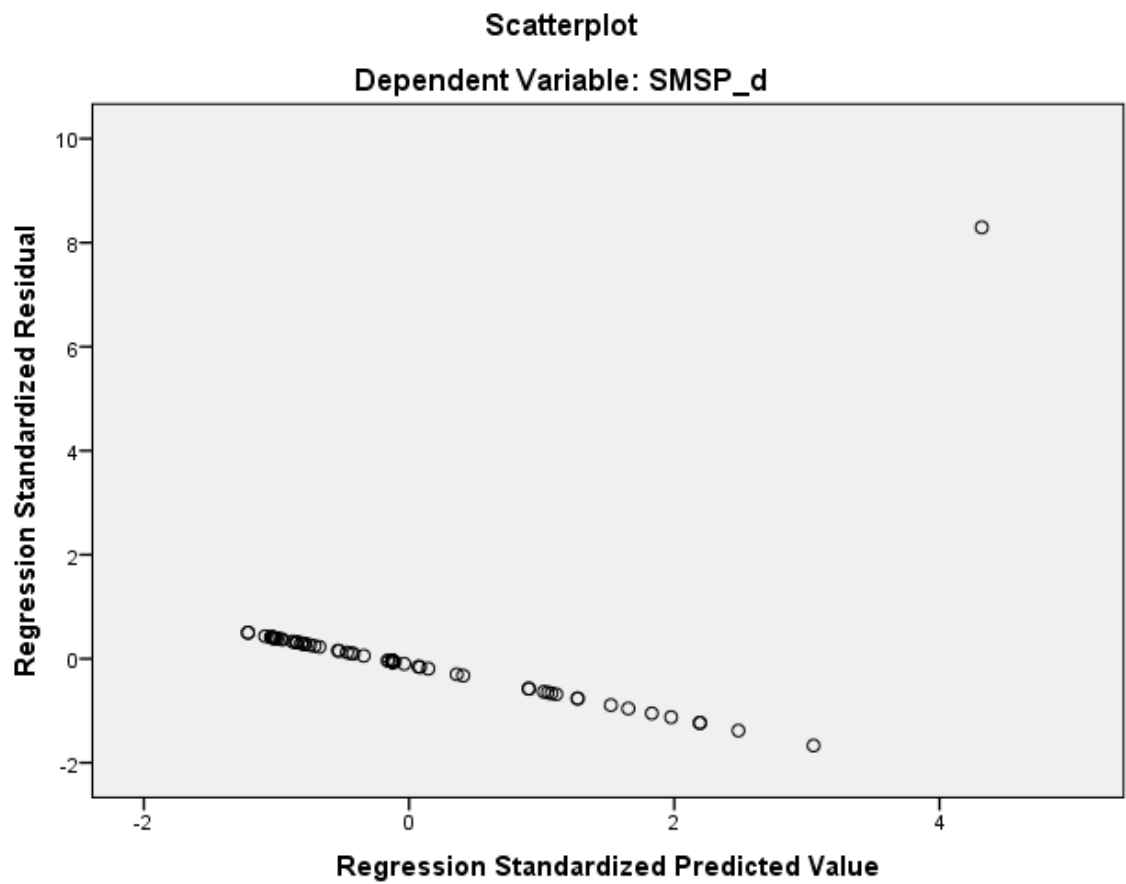
Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	-.05	.22	.01	.048	91
Std. Predicted Value	-1.215	4.319	.000	1.000	91
Standard Error of Predicted Value	.010	.044	.016	.006	91
Adjusted Predicted Value	-.05	.20	.01	.046	91
Residual	-.157	.782	.000	.093	91
Std. Residual	-1.669	8.294	.000	.989	91
Stud. Residual	-1.861	9.381	.007	1.099	91
Deleted Residual	-.195	1.000	.001	.115	91
Stud. Deleted Residual	-1.888	.515	-.098	.474	90
Mahal. Distance	.017	18.653	1.978	2.975	91

Cook's Distance	.000	8.189	.096	.858	91
Centered Leverage Value	.000	.207	.022	.033	91

a. Dependent Variable: SMSP_d

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT SMSP_d

/METHOD=STEPWISE GD_d Tpaths_d TSpats_d AvgPL_d AvgGL_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created	05-JUN-2015 15:05:07
Comments	
Input	Active Dataset DataSet8

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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	90
	Missing Value Handling	Definition of Missing User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT SMSP_d /METHOD=STEPWISE GD_d Tpaths_d TSpaths_d AvgPL_d AvgGL_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.02
	Memory Required	6320 bytes

	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_11	Cook's Distance

Warnings

The dependent variable SMSP_d is constant and has been deleted. Statistics cannot be computed.

REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT GD_d

/METHOD=STEPWISE PL_TpoutN PL_TSpoutN S_pro R_pro SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created		05-JUN-2015 15:00:08
Comments		
Input	Active Dataset	DataSet8
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION
		/MISSING LISTWISE
		/STATISTICS COEFF OUTS R
		ANOVA COLLIN TOL
		/CRITERIA=PIN(.05) POUT(.10)
		/NOORIGIN
		/DEPENDENT GD_d
		/METHOD=STEPWISE
		PL_TpoutN PL_TSpoutN S_pro
		R_pro SMSP_d
		/SCATTERPLOT=(*ZRESID
		,*ZPRED)
		/SAVE COOK.
Resources	Processor Time	00:00:00.23
	Elapsed Time	00:00:00.22
	Memory Required	5920 bytes
	Additional Memory	
	Required for Residual	0 bytes
Plots		
Variables Created or Modified	COO_1	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
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1	PL_TpoutN		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	R_pro		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: GD_d

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.426 ^a	.182	.172	.00476002877 9454
2	.494 ^b	.244	.227	.00460164690 3439

a. Predictors: (Constant), PL_TpoutN

b. Predictors: (Constant), PL_TpoutN, R_pro

c. Dependent Variable: GD_d

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	19.757	.000 ^b
	Residual	.002	89	.000		
	Total	.002	90			
2	Regression	.001	2	.000	14.186	.000 ^c
	Residual	.002	88	.000		
	Total	.002	90			

a. Dependent Variable: GD_d

b. Predictors: (Constant), PL_TpoutN

c. Predictors: (Constant), PL_TpoutN, R_pro

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.009	.001		12.536	.000

	PL_TpoutN	.200	.045	.426	4.445	.000
2	(Constant)	.001	.003		.454	.651
	PL_TpoutN	.145	.048	.310	3.035	.003
	R_pro	.736	.274	.275	2.689	.009

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	PL_TpoutN	1.000	1.000
2	(Constant)		
	PL_TpoutN	.822	1.216
	R_pro	.822	1.216

a. Dependent Variable: GD_d

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TSpoutN	.246 ^b	1.851	.067	.194	.506	1.977
	S_pro	.102 ^b	1.057	.293	.112	.990	1.010
	R_pro	.275 ^b	2.689	.009	.276	.822	1.216

	SMSP_d	.131 ^b	1.372	.173	.145	1.000	1.000
2	PL_TSpoutN	.168 ^c	1.248	.215	.133	.473	2.115
	S_pro	.015 ^c	.148	.883	.016	.865	1.155
	SMSP_d	.152 ^c	1.655	.101	.175	.993	1.007

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	PL_TSpoutN	.506
	S_pro	.990
	R_pro	.822
	SMSP_d	1.000
2	PL_TSpoutN	.473
	S_pro	.719
	SMSP_d	.817

a. Dependent Variable: GD_d

b. Predictors in the Model: (Constant), PL_TpoutN

c. Predictors in the Model: (Constant), PL_TpoutN, R_pro

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition	Variance Proportions
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			Index	(Constant)	PL_TpoutN	R_pro
1	1	1.703	1.000	.15	.15	
	2	.297	2.395	.85	.85	
2	1	2.628	1.000	.00	.04	.00
	2	.358	2.708	.01	.83	.01
	3	.013	14.010	.98	.13	.99

a. Dependent Variable: GD_d

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00676622241 7355	.01594682782 8884	.01098901098 9011	.00258369544 7599
Std. Predicted Value	-1.634	1.919	.000	1.000
Standard Error of Predicted Value	.001	.002	.001	.000
Adjusted Predicted Value	.00681490823 6265	.01660421118 1402	.01099740341 8271	.00260647069 0562
Residual	- .01013287436 2171	.01699745282 5308	.00000000000 0000	.00455023024 0458
Std. Residual	-2.202	3.694	.000	.989
Stud. Residual	-2.272	3.726	-.001	1.006

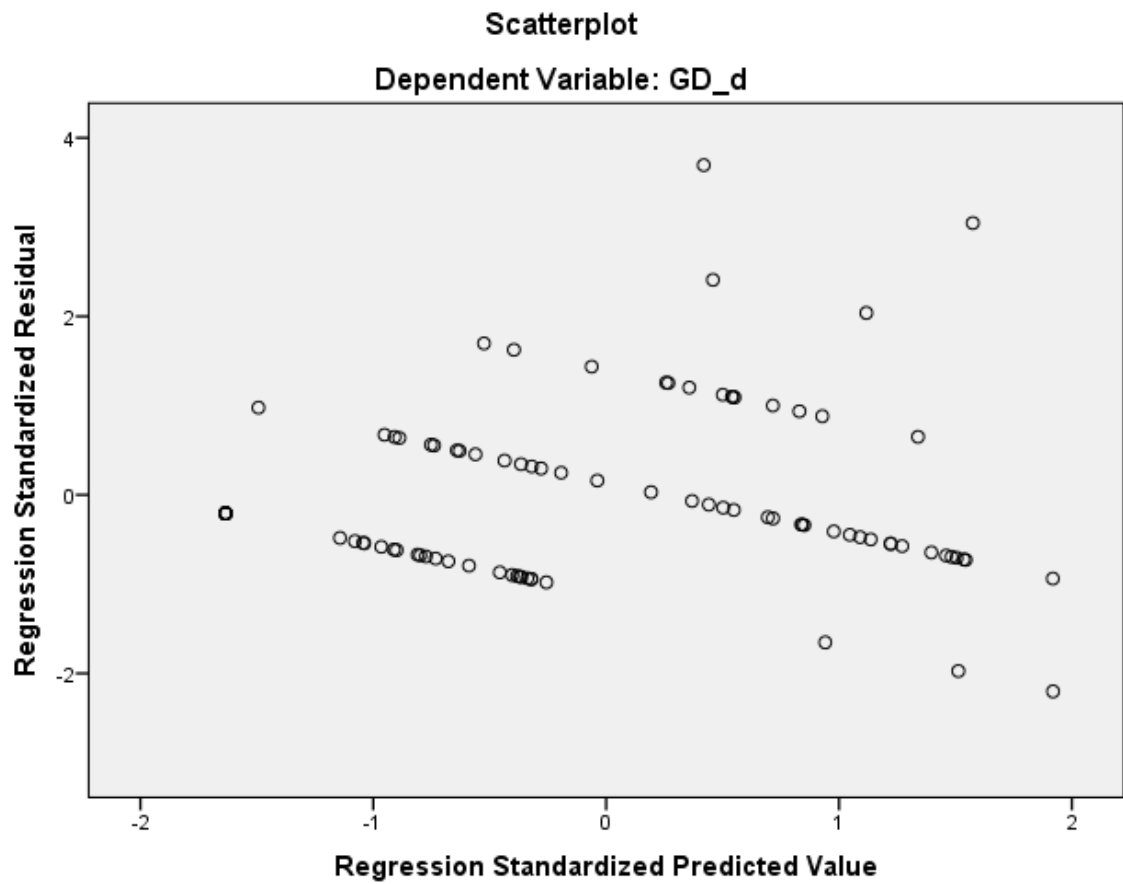
Deleted Residual	- .01079025771 4689	.01729825325 3102	- .00000839242 9260	.00470950385 5868
Stud. Deleted Residual	-2.329	4.037	.006	1.031
Mahal. Distance	.127	13.709	1.978	1.737
Cook's Distance	.000	.168	.012	.026
Centered Leverage Value	.001	.152	.022	.019

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: GD_d

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

```

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT Tpaths_d

/METHOD=STEPWISE PL_TpoutN PL_TSpoutN S_pro R_pro SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

```

Regression

Notes

Output Created	05-JUN-2015 15:00:34	
Comments		
Input	Active Dataset	DataSet8
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91

Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		<p>REGRESSION</p> <p>/MISSING LISTWISE</p> <p>/STATISTICS COEFF OUTS R ANOVA COLLIN TOL</p> <p>/CRITERIA=PIN(.05) POUT(.10)</p> <p>/NOORIGIN</p> <p>/DEPENDENT Tpaths_d</p> <p>/METHOD=STEPWISE</p> <p>PL_TpoutN PL_TSpoutN S_pro R_pro SMSP_d</p> <p>/SCATTERPLOT=(*ZRESID ,*ZPRED)</p> <p>/SAVE COOK.</p>
Resources	Processor Time	00:00:00.17
	Elapsed Time	00:00:00.18
	Memory Required	5952 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_2	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	SMSP_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	PL_TSpoutN		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: Tpaths_d

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.261 ^a	.068	.058	.00260044616 2294
2	.356 ^b	.127	.107	.00253119254 7105

a. Predictors: (Constant), SMSP_d

b. Predictors: (Constant), SMSP_d, PL_TSpoutN

c. Dependent Variable: Tpaths_d

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	6.507	.012 ^b
	Residual	.001	89	.000		
	Total	.001	90			
2	Regression	.000	2	.000	6.403	.003 ^c
	Residual	.001	88	.000		
	Total	.001	90			

a. Dependent Variable: Tpaths_d

b. Predictors: (Constant), SMSP_d

c. Predictors: (Constant), SMSP_d, PL_TSpoutN

Coefficients^a

Model	Unstandardized Coefficients	Standardized Coefficients	t	Sig.
-------	-----------------------------	---------------------------	---	------

		B	Std. Error	Beta		
1	(Constant)	.011	.000		39.822	.000
	SMSP_d	.007	.003	.261	2.551	.012
2	(Constant)	.010	.000		28.593	.000
	SMSP_d	.007	.003	.256	2.569	.012
	PL_TSpoutN	.054	.022	.243	2.437	.017

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	SMSP_d	1.000	1.000
2	(Constant)		
	SMSP_d	1.000	1.000
	PL_TSpoutN	1.000	1.000

a. Dependent Variable: Tpaths_d

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpoutN	.115 ^b	1.124	.264	.119	1.000	1.000

	PL_TSpoutN	.243 ^b	2.437	.017	.251	1.000	1.000
	S_pro	-.226 ^b	-2.259	.026	-.234	1.000	1.000
	R_pro	-.013 ^b	-.129	.898	-.014	.994	1.006
2	PL_TpoutN	-.110 ^c	-.786	.434	-.084	.505	1.978
	S_pro	-.192 ^c	-1.927	.057	-.202	.973	1.027
	R_pro	-.161 ^c	-1.435	.155	-.152	.780	1.282

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	PL_TpoutN	1.000
	PL_TSpoutN	1.000
	S_pro	1.000
	R_pro	.994
2	PL_TpoutN	.505
	S_pro	.973
	R_pro	.780

a. Dependent Variable: Tpaths_d

b. Predictors in the Model: (Constant), SMSP_d

c. Predictors in the Model: (Constant), SMSP_d, PL_TSpoutN

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	SMSP_d	PL_TSpoutN
1	1	1.105	1.000	.45	.45	
	2	.895	1.111	.55	.55	
2	1	1.703	1.000	.15	.02	.15
	2	.974	1.322	.01	.98	.01
	3	.323	2.295	.84	.00	.83

a. Dependent Variable: Tpaths_d

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.01032307557 7617	.01758608967 0658	.01098901098 9011	.00095476110 2126
Std. Predicted Value	-.697	6.910	.000	1.000
Standard Error of Predicted Value	.000	.003	.000	.000
Adjusted Predicted Value	.01020913198 5903	.01284698676 3179	.01092921668 6867	.00067860910 4833
Residual	- .00345936138 1829	.01236131601 0356	.00000000000 0000	.00250291017 8451
Std. Residual	-1.367	4.884	.000	.989

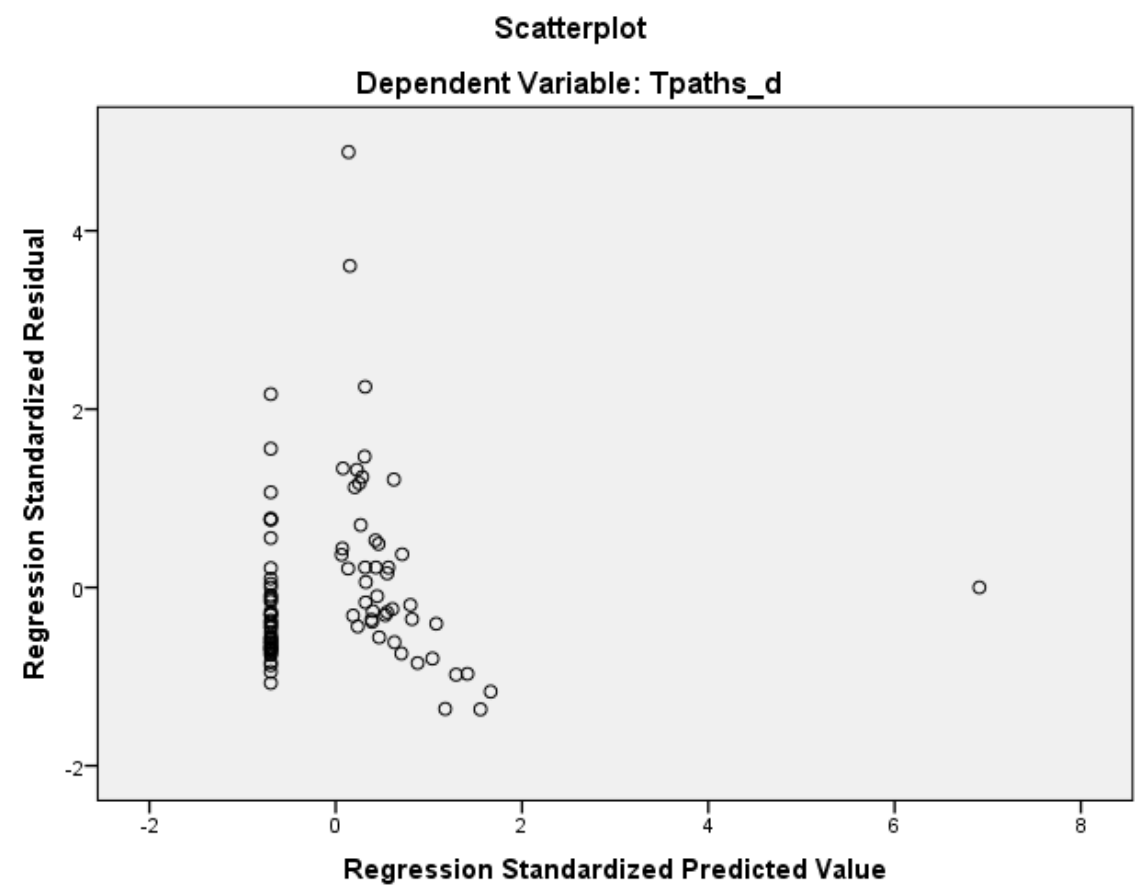
Stud. Residual	-1.421	4.914	-.003	1.004
Deleted Residual	-	-.01251413859	-	.00256849625
	.00373914651	4270	.00001350658	9318
	5727		1029	
Stud. Deleted Residual	-1.429	5.735	.012	1.066
Mahal. Distance	.053	89.011	1.978	9.288
Cook's Distance	.000	.099	.007	.015
Centered Leverage Value	.001	.989	.022	.103

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	90
Residual	91
Std. Residual	91
Stud. Residual	90
Deleted Residual	90
Stud. Deleted Residual	90
Mahal. Distance	91
Cook's Distance	90
Centered Leverage Value	91

a. Dependent Variable: Tpaths_d

Charts



REGRESSION


```

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT TSpaths_d

/METHOD=STEPWISE PL_TpoutN PL_TSpoutN S_pro R_pro SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

```

Regression

Notes

Output Created		05-JUN-2015 15:01:00
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Input	Active Dataset	DataSet8
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	Weight	<none>
	Split File	<none>

	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT TSpaths_d /METHOD=STEPWISE PL_TpoutN PL_TSpoutN S_pro R_pro SMSP_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.19
	Elapsed Time	00:00:00.19
	Memory Required	6000 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_3	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	PL_TSpoutN		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	SMSP_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
3	S_pro		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: TSpats_d

Model Summary^d

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.268 ^a	.072	.062	.00234417215 4559
2	.358 ^b	.128	.108	.00228556610 0472
3	.414 ^c	.171	.143	.00224070379 5494

a. Predictors: (Constant), PL_TSpoutN

b. Predictors: (Constant), PL_TSpoutN, SMSP_d

c. Predictors: (Constant), PL_TSpoutN, SMSP_d, S_pro

d. Dependent Variable: TSpaths_d

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	6.914	.010 ^b
	Residual	.000	89	.000		
	Total	.001	90			
2	Regression	.000	2	.000	6.448	.002 ^c
	Residual	.000	88	.000		

	Total	.001	90			
3	Regression	.000	3	.000	5.992	.001 ^d
	Residual	.000	87	.000		
	Total	.001	90			

a. Dependent Variable: TSpaths_d

b. Predictors: (Constant), PL_TSpoutN

c. Predictors: (Constant), PL_TSpoutN, SMSP_d

d. Predictors: (Constant), PL_TSpoutN, SMSP_d, S_pro

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
1	(Constant)	.010	.000	31.153	.000
	PL_TSpoutN	.054	.021	.268	.010
2	(Constant)	.010	.000	31.737	.000
	PL_TSpoutN	.053	.020	.264	.010
	SMSP_d	.005	.002	.236	.020
3	(Constant)	.011	.000	29.746	.000
	PL_TSpoutN	.046	.020	.229	.023
	SMSP_d	.005	.002	.234	.019

S_pro	-.025	.012	-.211	-2.135	.036
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Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	PL_TSpoutN	1.000	1.000
2	(Constant)		
	PL_TSpoutN	1.000	1.000
	SMSP_d	1.000	1.000
3	(Constant)		
	PL_TSpoutN	.973	1.028
	SMSP_d	.999	1.001
	S_pro	.973	1.027

a. Dependent Variable: TSpaths_d

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpoutN	-.145 ^b	-1.008	.316	-.107	.506	1.977
	S_pro	-.214 ^b	-2.109	.038	-.219	.973	1.027

	R_pro	-.224 ^b	-1.975	.051	-.206	.787	1.270
	SMSP_d	.236 ^b	2.371	.020	.245	1.000	1.000
2	PL_TpoutN	-.138 ^c	-.983	.329	-.105	.505	1.978
	S_pro	-.211 ^c	-2.135	.036	-.223	.973	1.027
	R_pro	-.200 ^c	-1.798	.076	-.189	.780	1.282
3	PL_TpoutN	-.053 ^d	-.366	.715	-.039	.458	2.182
	R_pro	-.109 ^d	-.856	.394	-.092	.585	1.710

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	PL_TpoutN	.506
	S_pro	.973
	R_pro	.787
	SMSP_d	1.000
2	PL_TpoutN	.505
	S_pro	.973
	R_pro	.780
3	PL_TpoutN	.451
	R_pro	.585

a. Dependent Variable: TSpaths_d

b. Predictors in the Model: (Constant), PL_TSpoutN

c. Predictors in the Model: (Constant), PL_TSpoutN, SMSP_d

d. Predictors in the Model: (Constant), PL_TSpoutN, SMSP_d, S_pro

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	PL_TSpoutN	SMSP_d
1	1	1.677	1.000	.16	.16	
	2	.323	2.277	.84	.84	
2	1	1.703	1.000	.15	.15	.02
	2	.974	1.322	.01	.01	.98
	3	.323	2.295	.84	.83	.00
3	1	1.958	1.000	.09	.09	.01
	2	.985	1.410	.00	.00	.96
	3	.793	1.571	.01	.21	.03
	4	.264	2.726	.90	.70	.00

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions
		S_pro
1	1	
	2	
2	1	

	2	
	3	
3	1	.08
	2	.03
	3	.62
	4	.27

a. Dependent Variable: TSpaths_d

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00806760042 9058	.01650656387 2099	.01098901098 9011	.00100142801 4437
Std. Predicted Value	-2.917	5.510	.000	1.000
Standard Error of Predicted Value	.000	.002	.000	.000
Adjusted Predicted Value	.00744465040 0430	.01283815968 7817	.01092719475 4614	.00087226027 7129
Residual	- .00347527582 1984	.00813836883 7535	.00000000000 0000	.00220304222 5916
Std. Residual	-1.551	3.632	.000	.983
Stud. Residual	-1.591	3.655	.000	1.004

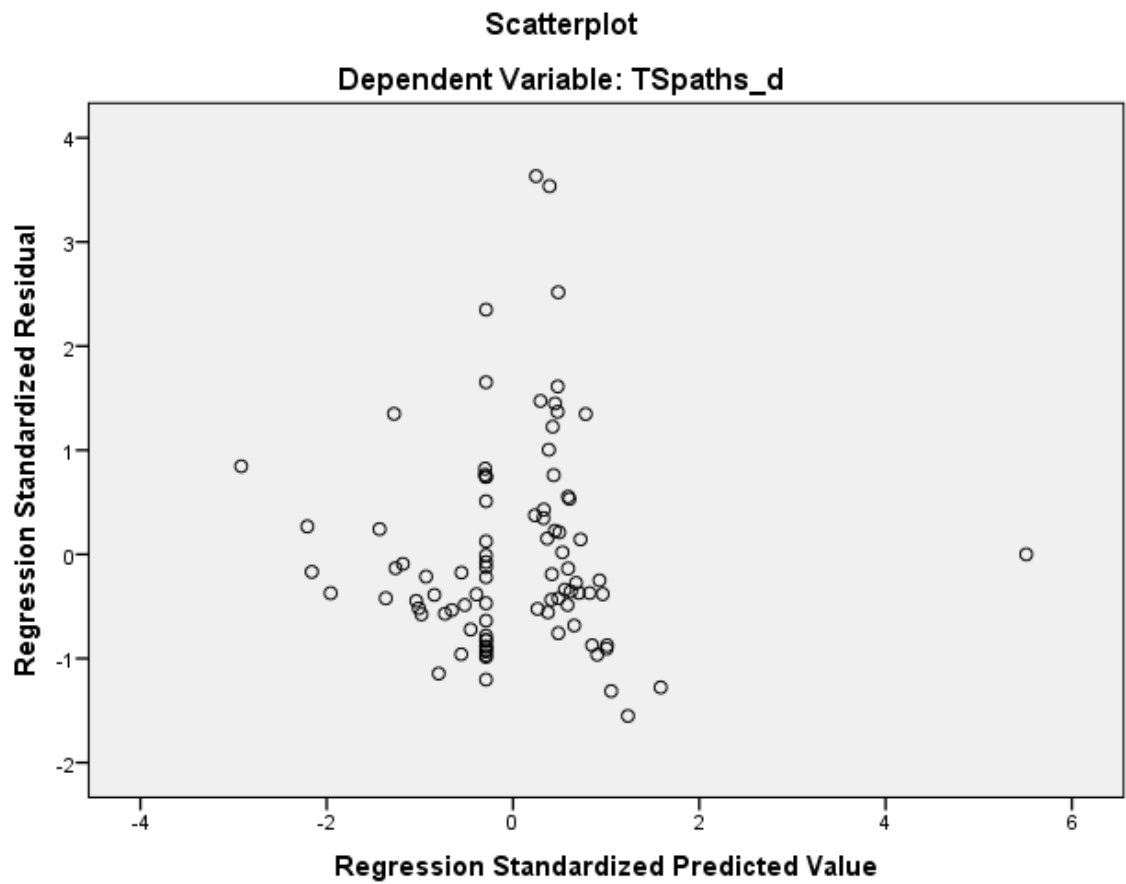
Deleted Residual	- .00365571165 4574	.00824324507 2663	.00000051010 1079	.00228757040 6237
Stud. Deleted Residual	-1.605	3.950	.009	1.033
Mahal. Distance	.156	89.011	2.967	9.653
Cook's Distance	.000	.135	.008	.019
Centered Leverage Value	.002	.989	.033	.107

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	90
Residual	91
Std. Residual	91
Stud. Residual	90
Deleted Residual	90
Stud. Deleted Residual	90
Mahal. Distance	91
Cook's Distance	90
Centered Leverage Value	91

a. Dependent Variable: TSpats_d

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

```

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT AvgPL_d

/METHOD=STEPWISE PL_TpoutN PL_TSpoutN S_pro R_pro SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

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Regression

Notes

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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91

Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT AvgPL_d /METHOD=STEPWISE PL_TpoutN PL_TSpoutN S_pro R_pro SMSP_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.17
	Elapsed Time	00:00:00.17
	Memory Required	6032 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_4	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	SMSP_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	PL_TSpoutN		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: AvgPL_d

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.313 ^a	.098	.088	.00394380346 7076

2	.374 ^b	.140	.120	.00387338601 0470
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a. Predictors: (Constant), SMSP_d

b. Predictors: (Constant), SMSP_d, PL_TSpoutN

c. Dependent Variable: AvgPL_d

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	9.695	.002 ^b
	Residual	.001	89	.000		
	Total	.002	90			
2	Regression	.000	2	.000	7.158	.001 ^c
	Residual	.001	88	.000		
	Total	.002	90			

a. Dependent Variable: AvgPL_d

b. Predictors: (Constant), SMSP_d

c. Predictors: (Constant), SMSP_d, PL_TSpoutN

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.011	.000		26.108	.000
	SMSP_d	.012	.004	.313	3.114	.002
2	(Constant)	.010	.001		18.253	.000
	SMSP_d	.012	.004	.309	3.126	.002
	PL_TSpoutN	.070	.034	.204	2.065	.042

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	SMSP_d	1.000	1.000
2	(Constant)		
	SMSP_d	1.000	1.000
	PL_TSpoutN	1.000	1.000

a. Dependent Variable: AvgPL_d

Excluded Variables^a

Model	Beta In	t	Sig.	Partial	Collinearity Statistics
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					Correlation	Tolerance	VIF
1	PL_TpoutN	.186 ^b	1.871	.065	.196	1.000	1.000
	PL_TSpoutN	.204 ^b	2.065	.042	.215	1.000	1.000
	S_pro	-.044 ^b	-.437	.663	-.047	1.000	1.000
	R_pro	.106 ^b	1.047	.298	.111	.994	1.006
2	PL_TpoutN	.083 ^c	.598	.551	.064	.505	1.978
	S_pro	-.011 ^c	-.112	.911	-.012	.973	1.027
	R_pro	.014 ^c	.120	.905	.013	.780	1.282

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	PL_TpoutN	1.000
	PL_TSpoutN	1.000
	S_pro	1.000
	R_pro	.994
2	PL_TpoutN	.505
	S_pro	.973
	R_pro	.780

a. Dependent Variable: AvgPL_d

b. Predictors in the Model: (Constant), SMSP_d

c. Predictors in the Model: (Constant), SMSP_d, PL_TSpoutN

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	SMSP_d	PL_TSpoutN
1	1	1.105	1.000	.45	.45	
	2	.895	1.111	.55	.55	
2	1	1.703	1.000	.15	.02	.15
	2	.974	1.322	.01	.98	.01
	3	.323	2.295	.84	.00	.83

a. Dependent Variable: AvgPL_d

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.01008461788 2967	.02320082858 2048	.01098901098 9011	.00154481254 3314
Std. Predicted Value	-.585	7.905	.000	1.000
Standard Error of Predicted Value	.000	.004	.001	.000
Adjusted Predicted Value	.00993309263 1400	.01340315770 3578	.01087200642 6875	.00088078906 4207

Residual	- .00432663364 3359	.02494781650 6028	.00000000000 0000	.00383010659 6104
Std. Residual	-1.117	6.441	.000	.989
Stud. Residual	-1.167	6.481	-.002	1.003
Deleted Residual	- .00472167693 0785	.02525624632 8354	- .00001868230 1207	.00392053161 2785
Stud. Deleted Residual	-1.169	8.912	.029	1.202
Mahal. Distance	.053	89.011	1.978	9.288
Cook's Distance	.000	.173	.006	.020
Centered Leverage Value	.001	.989	.022	.103

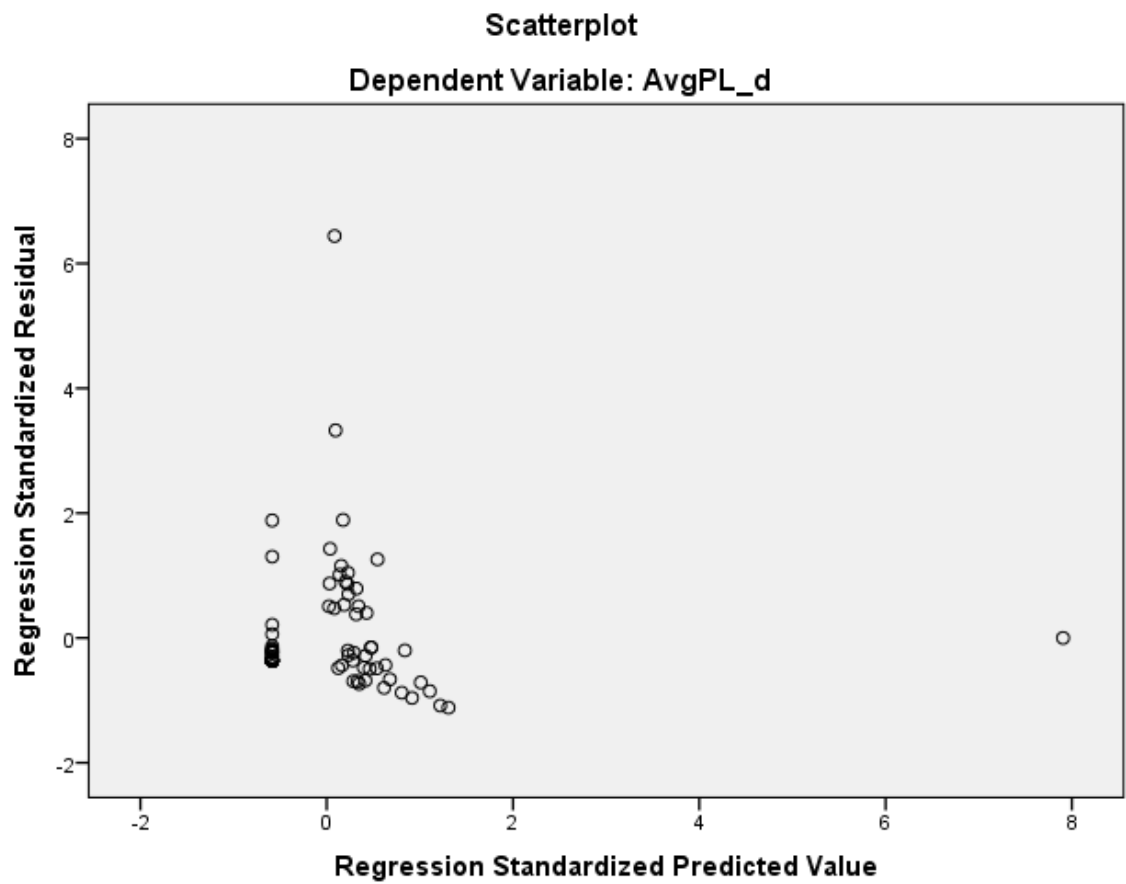
Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	90
Residual	91
Std. Residual	91
Stud. Residual	90
Deleted Residual	90
Stud. Deleted Residual	90
Mahal. Distance	91

Cook's Distance	90
Centered Leverage Value	91

a. Dependent Variable: AvgPL_d

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT AvgGL_d

/METHOD=STEPWISE PL_TpoutN PL_TSpoutN S_pro R_pro SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created	05-JUN-2015 15:01:45	
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Missing Value Handling	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
	Syntax	REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT AvgGL_d /METHOD=STEPWISE PL_TpoutN PL_TSpoutN S_pro R_pro SMSP_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
	Resources	
	Processor Time	00:00:00.20
	Elapsed Time	00:00:00.19
	Memory Required	6080 bytes

	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_5	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	SMSP_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	PL_TSpoutN		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: AvgGL_d

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.382 ^a	.146	.137	.00283122996 5859
2	.464 ^b	.215	.197	.00272971316 3110

a. Predictors: (Constant), SMSP_d

b. Predictors: (Constant), SMSP_d, PL_TSpoutN

c. Dependent Variable: AvgGL_d

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	15.242	.000 ^b
	Residual	.001	89	.000		
	Total	.001	90			
2	Regression	.000	2	.000	12.070	.000 ^c
	Residual	.001	88	.000		
	Total	.001	90			

a. Dependent Variable: AvgGL_d

b. Predictors: (Constant), SMSP_d

c. Predictors: (Constant), SMSP_d, PL_TSpoutN

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
1	(Constant)	.011		36.413	.000
	SMSP_d	.011	.382	3.904	.000
2	(Constant)	.010		26.035	.000
	SMSP_d	.011	.377	3.990	.000
	PL_TSpoutN	.067	.263	2.783	.007

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	SMSP_d	1.000	1.000
2	(Constant)		
	SMSP_d	1.000	1.000
	PL_TSpoutN	1.000	1.000

a. Dependent Variable: AvgGL_d

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpoutN	.215 ^b	2.241	.028	.232	1.000	1.000
	PL_TSpoutN	.263 ^b	2.783	.007	.284	1.000	1.000
	S_pro	-.043 ^b	-.442	.660	-.047	1.000	1.000
	R_pro	.089 ^b	.903	.369	.096	.994	1.006
2	PL_TpoutN	.059 ^c	.443	.659	.047	.505	1.978
	S_pro	-.001 ^c	-.008	.994	-.001	.973	1.027
	R_pro	-.043 ^c	-.397	.693	-.042	.780	1.282

Excluded Variables^a

Model		Collinearity Statistics	
		Minimum Tolerance	
1	PL_TpoutN	1.000	
	PL_TSpoutN	1.000	
	S_pro	1.000	
	R_pro	.994	
2	PL_TpoutN	.505	

S_pro	.973
R_pro	.780

- a. Dependent Variable: AvgGL_d
- b. Predictors in the Model: (Constant), SMSP_d
- c. Predictors in the Model: (Constant), SMSP_d, PL_TSpoutN

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	SMSP_d	PL_TSpoutN
1	1	1.105	1.000	.45	.45	
	2	.895	1.111	.55	.55	
2	1	1.703	1.000	.15	.02	.15
	2	.974	1.322	.01	.98	.01
	3	.323	2.295	.84	.00	.83

- a. Dependent Variable: AvgGL_d

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
--	---------	---------	------	----------------

Predicted Value	.01013698522 0015	.02198152989 1491	.01098901098 9011	.00141371269 7473
Std. Predicted Value	-.603	7.776	.000	1.000
Standard Error of Predicted Value	.000	.003	.000	.000
Adjusted Predicted Value	.01002157665 7891	.01326990220 6957	.01088276383 0958	.00083382896 5934
Residual	- .00391059229 1504	.01215019356 4594	.00000000000 0000	.00269921261 7394
Std. Residual	-1.433	4.451	.000	.989
Stud. Residual	-1.497	4.479	-.003	1.005
Deleted Residual	- .00426764879 3757	.01230040565 1331	- .00001589194 3475	.00277262635 7369
Stud. Deleted Residual	-1.507	5.068	.008	1.043
Mahal. Distance	.053	89.011	1.978	9.288
Cook's Distance	.000	.083	.007	.014
Centered Leverage Value	.001	.989	.022	.103

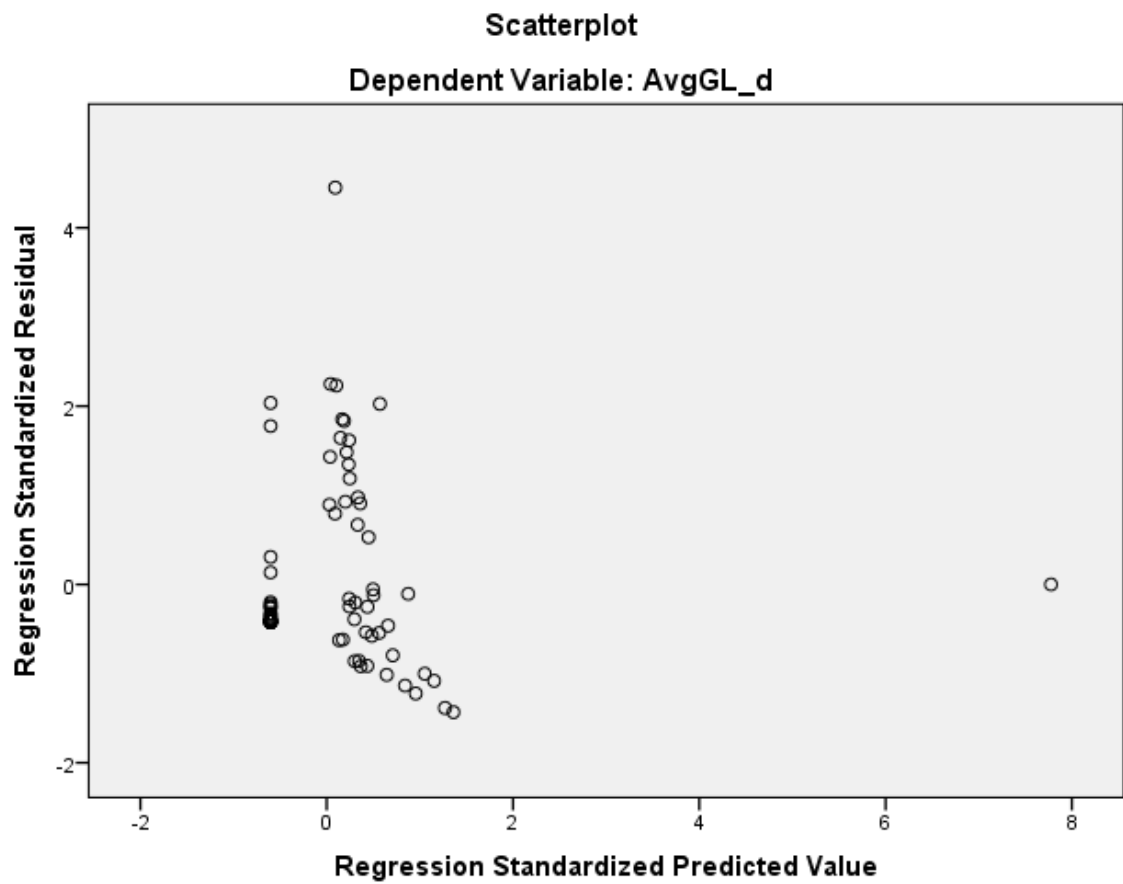
Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	90

Residual	91
Std. Residual	91
Stud. Residual	90
Deleted Residual	90
Stud. Deleted Residual	90
Mahal. Distance	91
Cook's Distance	90
Centered Leverage Value	91

a. Dependent Variable: AvgGL_d

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT ECont

/METHOD=STEPWISE PL_TpoutN PL_TSpoutN S_pro R_pro SMSP_d

/SCATTERPLOT=(*ZRESID,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created		05-JUN-2015 15:21:38
Comments		
Input	Active Dataset	DataSet9
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION
		/MISSING LISTWISE
		/STATISTICS COEFF OUTS R
		ANOVA COLLIN TOL
		/CRITERIA=PIN(.05) POUT(.10)
		/NOORIGIN
		/DEPENDENT ECout
		/METHOD=STEPWISE
		PL_TpoutN PL_TSpoutN S_pro
		R_pro SMSP_d
		/SCATTERPLOT=(*ZRESID
		,*ZPRED)
		/SAVE COOK.
Resources	Processor Time	00:00:00.03
	Elapsed Time	00:00:00.04
	Memory Required	6080 bytes
	Additional Memory	
	Required for Residual	0 bytes
	Plots	
Variables Created or	COO_5	
Modified		Cook's Distance

Warnings

No variables were entered into the equation.

REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT PL_EVCoutN

/METHOD=STEPWISE PL_TpoutN PL_TSpoutN S_pro R_pro SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created		05-JUN-2015 15:21:49
Comments		
Input	Active Dataset	DataSet9
	Filter	<none>
	Weight	<none>

	Split File	<none>	
	N of Rows in Working Data File		91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.	
	Cases Used	Statistics are based on cases with no missing values for any variable used.	
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT PL_EVCoutN /METHOD=STEPWISE PL_TpoutN PL_TSpoutN S_pro R_pro SMSP_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.	
Resources	Processor Time		00:00:00.16
	Elapsed Time		00:00:00.16
	Memory Required	6112 bytes	
	Additional Memory Required for Residual Plots	0 bytes	

Variables Created or Modified	COO_6	Cook's Distance
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Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	R_pro		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	SMSP_d		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: PL_EVCoutN

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.276 ^a	.076	.066	.015512614113946
2	.384 ^b	.148	.128	.014985399990339

a. Predictors: (Constant), R_pro

b. Predictors: (Constant), R_pro, SMSP_d

c. Dependent Variable: PL_EVCoutN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.002	1	.002	7.347	.008 ^b
	Residual	.021	89	.000		
	Total	.023	90			
2	Regression	.003	2	.002	7.623	.001 ^c
	Residual	.020	88	.000		
	Total	.023	90			

a. Dependent Variable: PL_EVCoutN

b. Predictors: (Constant), R_pro

c. Predictors: (Constant), R_pro, SMSP_d

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-.014	.009		-1.492	.139
	R_pro	2.268	.837	.276	2.711	.008
2	(Constant)	-.016	.009		-1.788	.077
	R_pro	2.433	.811	.296	3.001	.003
	SMSP_d	.041	.015	.268	2.715	.008

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	R_pro	1.000	1.000
2	(Constant)		
	R_pro	.994	1.006
	SMSP_d	.994	1.006

a. Dependent Variable: PL_EVCoutN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpoutN	.093 ^b	.829	.409	.088	.822	1.216
	PL_TSpoutN	.182 ^b	1.595	.114	.168	.787	1.270
	S_pro	.005 ^b	.050	.961	.005	.869	1.151
	SMSP_d	.268 ^b	2.715	.008	.278	.994	1.006
2	PL_TpoutN	.083 ^c	.766	.446	.082	.821	1.218
	PL_TSpoutN	.163 ^c	1.480	.143	.157	.784	1.275
	S_pro	.002 ^c	.018	.986	.002	.869	1.151

Excluded Variables^a

Model		Collinearity Statistics	
		Minimum Tolerance	
1	PL_TpoutN	.822	
	PL_TSpoutN	.787	
	S_pro	.869	
	SMSP_d	.994	
2	PL_TpoutN	.817	
	PL_TSpoutN	.780	

S_pro	.864
-------	------

- a. Dependent Variable: PL_EVCoutN
- b. Predictors in the Model: (Constant), R_pro
- c. Predictors in the Model: (Constant), R_pro, SMSP_d

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	R_pro	SMSP_d
1	1	1.985	1.000	.01	.01	
	2	.015	11.396	.99	.99	
2	1	2.004	1.000	.01	.01	.01
	2	.981	1.429	.00	.00	.98
	3	.015	11.492	.99	.99	.01

- a. Dependent Variable: PL_EVCoutN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00185897294 4319	.04821256175 6372	.01098901098 9011	.00616763390 6598

Std. Predicted Value	-1.480	6.035	.000	1.000
Standard Error of Predicted Value	.002	.015	.002	.001
Adjusted Predicted Value	.00174961728 0439	.02033267356 4553	.01058884917 6612	.00479232621 1366
Residual	- .01933534070 8494	.04560791328 5494	.00000000000 0000	.01481796009 8250
Std. Residual	-1.290	3.043	.000	.989
Stud. Residual	-1.323	3.089	.000	1.004
Deleted Residual	- .02033267356 4553	.04697758331 8949	- .00001343318 4645	.01520064269 9872
Stud. Deleted Residual	-1.329	3.253	.005	1.018
Mahal. Distance	.011	89.011	1.978	9.288
Cook's Distance	.000	.096	.007	.012
Centered Leverage Value	.000	.989	.022	.103

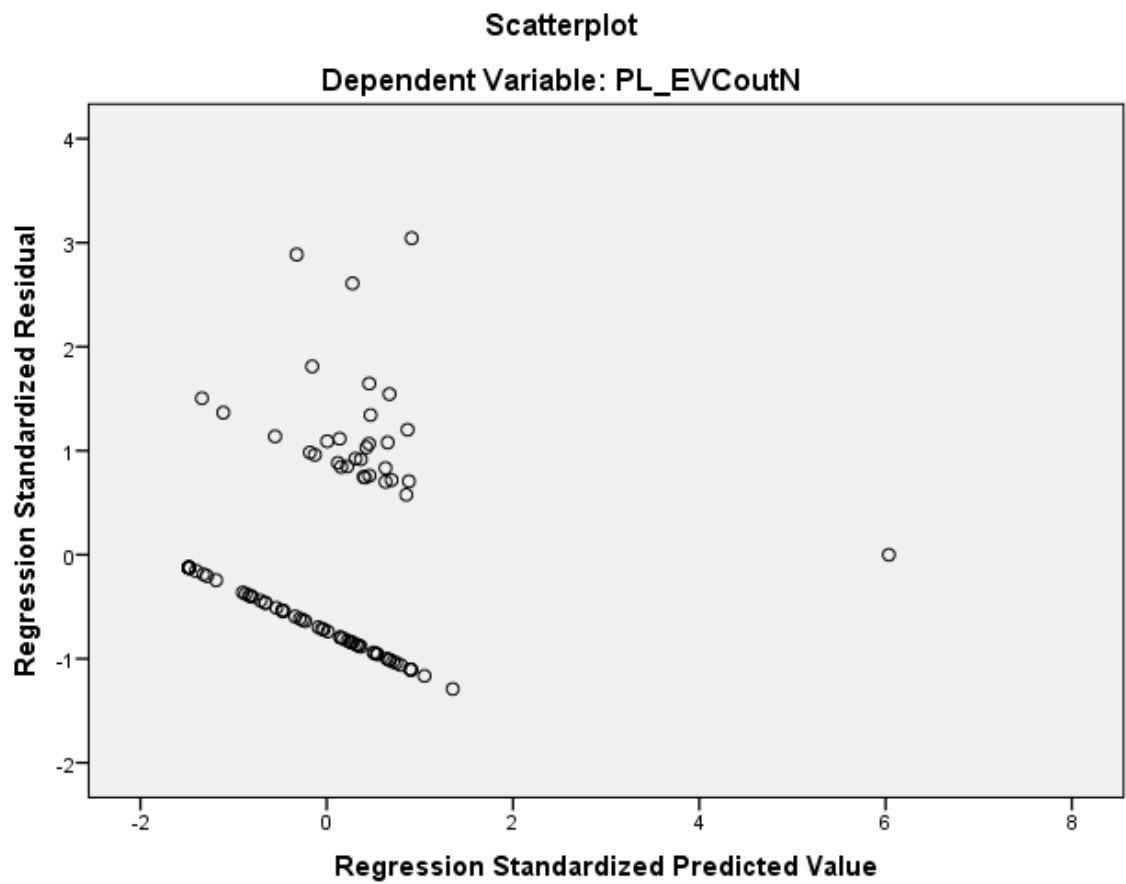
Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	90
Residual	91
Std. Residual	91

Stud. Residual	90
Deleted Residual	90
Stud. Deleted Residual	90
Mahal. Distance	91
Cook's Distance	90
Centered Leverage Value	91

a. Dependent Variable: PL_EVCoutN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT EVCout_TpoutN

/METHOD=STEPWISE PL_TpoutN PL_TSpoutN S_pro R_pro SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created		05-JUN-2015 15:22:12
Comments		
Input	Active Dataset	DataSet9
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT EVCut_TpoutN /METHOD=STEPWISE PL_TpoutN PL_TSpoutN S_pro R_pro SMSP_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.16
	Elapsed Time	00:00:00.18
	Memory Required	6160 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_7	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method

1	R_pro		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	PL_TSpoutN		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: EVCout_TpoutN

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.605 ^a	.366	.359	.010982629358324
2	.659 ^b	.434	.422	.010435486360018

a. Predictors: (Constant), R_pro

b. Predictors: (Constant), R_pro, PL_TSpoutN

c. Dependent Variable: EVCout_TpoutN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.006	1	.006	51.464	.000 ^b
	Residual	.011	89	.000		
	Total	.017	90			
2	Regression	.007	2	.004	33.790	.000 ^c
	Residual	.010	88	.000		
	Total	.017	90			

a. Dependent Variable: EVCout_TpoutN

b. Predictors: (Constant), R_pro

c. Predictors: (Constant), R_pro, PL_TSpoutN

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.058	.007		8.727	.000

	R_pro	-4.250	.592	-.605	-7.174	.000
2	(Constant)	.064	.007		9.741	.000
	R_pro	-5.201	.634	-.741	-8.199	.000
	PL_TSpoutN	.335	.103	.294	3.252	.002

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	R_pro	1.000	1.000
2	(Constant)		
	R_pro	.787	1.270
	PL_TSpoutN	.787	1.270

a. Dependent Variable: EVCout_TpoutN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpoutN	.205 ^b	2.258	.026	.234	.822	1.216
	PL_TSpoutN	.294 ^b	3.252	.002	.328	.787	1.270
	S_pro	-.003 ^b	-.032	.974	-.003	.869	1.151

	SMSP_d	.136 ^b	1.623	.108	.170	.994	1.006
2	PL_TpoutN	.039 ^c	.344	.732	.037	.494	2.026
	S_pro	.129 ^c	1.384	.170	.147	.731	1.368
	SMSP_d	.120 ^c	1.502	.137	.159	.990	1.010

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	PL_TpoutN	.822
	PL_TSpoutN	.787
	S_pro	.869
	SMSP_d	.994
2	PL_TpoutN	.473
	S_pro	.591
	SMSP_d	.780

a. Dependent Variable: EVCout_TpoutN

b. Predictors in the Model: (Constant), R_pro

c. Predictors in the Model: (Constant), R_pro, PL_TSpoutN

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition	Variance Proportions
-------	-----------	------------	-----------	----------------------

			Index	(Constant)	R_pro	PL_TSpoutN
1	1	1.985	1.000	.01	.01	
	2	.015	11.396	.99	.99	
2	1	2.599	1.000	.00	.00	.05
	2	.388	2.589	.01	.01	.79
	3	.013	14.224	.98	.99	.16

a. Dependent Variable: EVCout_TpoutN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	- .00749309966 3407	.02933891676 3663	.01098901098 9011	.00904273506 4203
Std. Predicted Value	-2.044	2.029	.000	1.000
Standard Error of Predicted Value	.001	.003	.002	.000
Adjusted Predicted Value	- .00805699918 4191	.02964594773 9482	.01097129000 2425	.00907355029 4518
Residual	- .02610831335 1870	.02919915318 4891	.00000000000 0000	.01031888508 7370
Std. Residual	-2.502	2.798	.000	.989
Stud. Residual	-2.580	2.882	.001	1.007

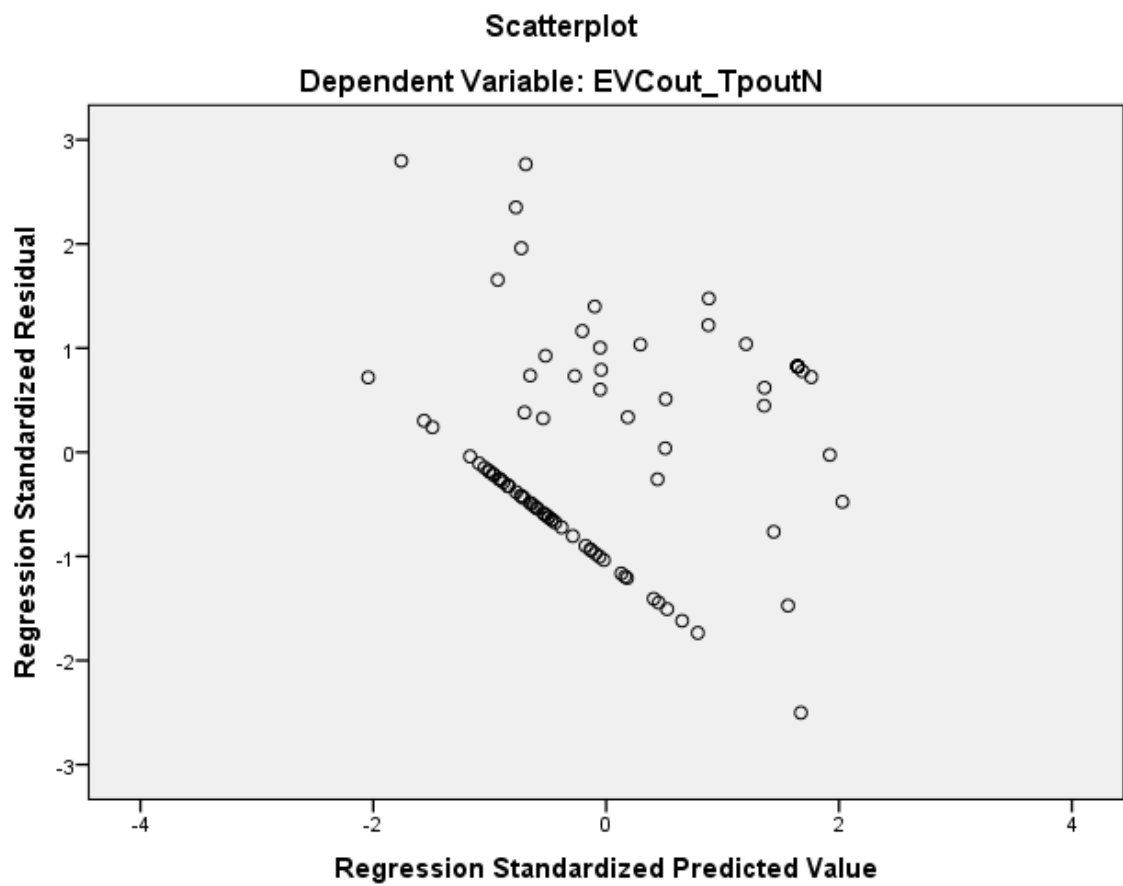
Deleted Residual	- .02777361124 7540	.03098096512 2581	.00001772098 6586	.01069369720 7482
Stud. Deleted Residual	-2.669	3.011	.003	1.021
Mahal. Distance	.282	6.532	1.978	1.386
Cook's Distance	.000	.169	.012	.025
Centered Leverage Value	.003	.073	.022	.015

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: EVCout_TpoutN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

```

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT EVCut_TSpoutN

/METHOD=STEPWISE PL_TpoutN PL_TSpoutN S_pro R_pro SMSP_d

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

```

Regression

Notes

Output Created	05-JUN-2015 15:22:38	
Comments		
Input	Active Dataset	DataSet9
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91

Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT EVCut_TSpoutN /METHOD=STEPWISE PL_TpoutN PL_TSpoutN S_pro R_pro SMSP_d /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.20
	Elapsed Time	00:00:00.21
	Memory Required	6192 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_8	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	R_pro		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	PL_TSpoutN		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: EVCout_TSpoutN

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.616 ^a	.379	.372	.01088417621 8036
2	.667 ^b	.444	.432	.01035199251 1818

a. Predictors: (Constant), R_pro

b. Predictors: (Constant), R_pro, PL_TSpoutN

c. Dependent Variable: EVCout_TSpoutN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.006	1	.006	54.286	.000 ^b
	Residual	.011	89	.000		
	Total	.017	90			
2	Regression	.008	2	.004	35.198	.000 ^c
	Residual	.009	88	.000		
	Total	.017	90			

a. Dependent Variable: EVCout_TSpoutN

b. Predictors: (Constant), R_pro

c. Predictors: (Constant), R_pro, PL_TSpoutN

Coefficients^a

Model	Unstandardized Coefficients	Standardized Coefficients	t	Sig.
-------	-----------------------------	---------------------------	---	------

		B	Std. Error	Beta		
1	(Constant)	.059	.007		8.933	.000
	R_pro	-4.326	.587	-.616	-7.368	.000
2	(Constant)	.065	.007		9.929	.000
	R_pro	-5.260	.629	-.749	-8.360	.000
	PL_TSpoutN	.329	.102	.289	3.223	.002

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	R_pro	1.000	1.000
2	(Constant)		
	R_pro	.787	1.270
	PL_TSpoutN	.787	1.270

a. Dependent Variable: EVCout_TSpoutN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpoutN	.223 ^b	2.493	.015	.257	.822	1.216

	PL_TSpoutN	.289 ^b	3.223	.002	.325	.787	1.270
	S_pro	-.002 ^b	-.019	.985	-.002	.869	1.151
	SMSP_d	.113 ^b	1.352	.180	.143	.994	1.006
2	PL_TpoutN	.075 ^c	.657	.513	.070	.494	2.026
	S_pro	.128 ^c	1.387	.169	.147	.731	1.368
	SMSP_d	.097 ^c	1.219	.226	.130	.990	1.010

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	PL_TpoutN	.822
	PL_TSpoutN	.787
	S_pro	.869
	SMSP_d	.994
2	PL_TpoutN	.473
	S_pro	.591
	SMSP_d	.780

a. Dependent Variable: EVCout_TSpoutN

b. Predictors in the Model: (Constant), R_pro

c. Predictors in the Model: (Constant), R_pro, PL_TSpoutN

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	R_pro	PL_TSpoutN
1	1	1.985	1.000	.01	.01	
	2	.015	11.396	.99	.99	
2	1	2.599	1.000	.00	.00	.05
	2	.388	2.589	.01	.01	.79
	3	.013	14.224	.98	.99	.16

a. Dependent Variable: EVCout_TSpoutN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	- .00760009093 2101	.02952603064 4774	.01098901098 9011	.00915543085 9295
Std. Predicted Value	-2.030	2.025	.000	1.000
Standard Error of Predicted Value	.001	.003	.002	.000
Adjusted Predicted Value	- .00817204173 6543	.02984325215 2205	.01097033660 6835	.00918472615 2682
Residual	- .02615014463 6631	.02919948659 8372	.00000000000 0000	.01023632416 0610

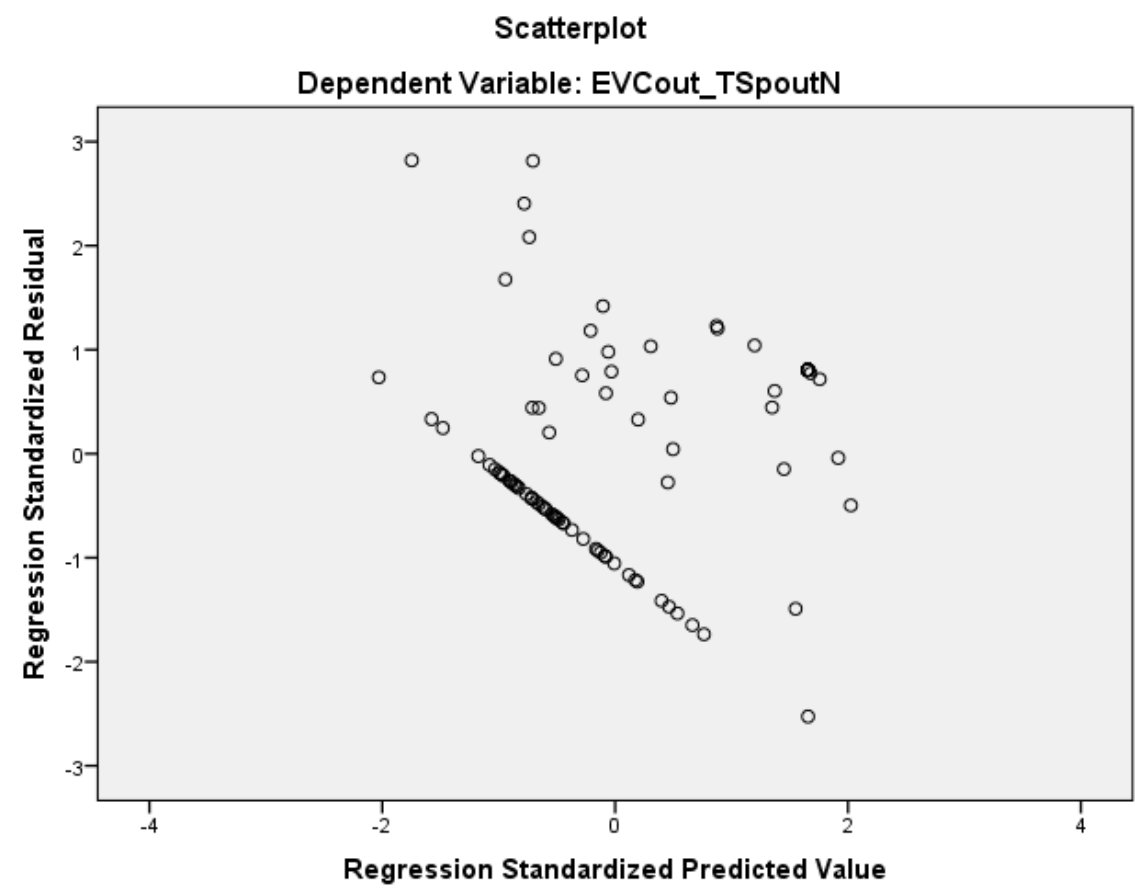
Std. Residual	-2.526	2.821	.000	.989
Stud. Residual	-2.605	2.905	.001	1.007
Deleted Residual	-			
	.02781810984	.03098131902	.00001867438	.01060765451
	0155	5159	2176	9459
Stud. Deleted Residual	-2.697	3.038	.004	1.022
Mahal. Distance	.282	6.532	1.978	1.386
Cook's Distance	.000	.172	.012	.026
Centered Leverage Value	.003	.073	.022	.015

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: EVCout_TSpoutN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT ECud

/METHOD=STEPWISE Nodes Edges_ud Den_ud CC_ud GD_ud Tpaths_ud TSpaths_ud AvgPL_ud
AvgGL_ud PL_TpudN PL_TSpudN S_ud R_ud SMSP_ud

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created		05-JUN-2015 13:40:19
Comments		
Input	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>

	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT ECud /METHOD=STEPWISE Nodes Edges_ud Den_ud CC_ud GD_ud Tpaths_ud TSpaths_ud AvgPL_ud AvgGL_ud PL_TpudN PL_TSpudN S_ud R_ud SMSP_ud /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.22
	Elapsed Time	00:00:00.27
	Memory Required	16464 bytes
	Additional Memory Required for Residual Plots	0 bytes

Variables Created or Modified	COO_19	Cook's Distance
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Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	Den_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	SMSP_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: ECud

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.312 ^a	.097	.087	.002479098258963
2	.374 ^b	.140	.120	.002434269980748

a. Predictors: (Constant), Den_ud

b. Predictors: (Constant), Den_ud, SMSP_ud

c. Dependent Variable: ECud

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	9.606	.003 ^b
	Residual	.001	89	.000		
	Total	.001	90			
2	Regression	.000	2	.000	7.135	.001 ^c
	Residual	.001	88	.000		
	Total	.001	90			

a. Dependent Variable: ECud

b. Predictors: (Constant), Den_ud

c. Predictors: (Constant), Den_ud, SMSP_ud

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
1	(Constant)	.010		17.738	.000
	Den_ud	.133	.312	3.099	.003
2	(Constant)	.010		18.042	.000
	Den_ud	.138	.324	3.273	.002
	SMSP_ud	-.029	-.206	-2.076	.041

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	Den_ud	1.000	1.000
2	(Constant)		
	Den_ud	.997	1.003
	SMSP_ud	.997	1.003

a. Dependent Variable: ECud

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	Nodes	.085 ^b	.686	.494	.073	.672	1.488
	Edges_ud	.079 ^b	.639	.524	.068	.668	1.496
	CC_ud	-.055 ^b	-.493	.623	-.052	.813	1.230
	GD_ud	-.081 ^b	-.752	.454	-.080	.886	1.129
	Tpaths_ud	-.087 ^b	-.696	.488	-.074	.655	1.527
	TSpaths_ud	.047 ^b	.230	.818	.025	.249	4.012
	AvgPL_ud	-.081 ^b	-.749	.456	-.080	.882	1.134
	AvgGL_ud	-.101 ^b	-.898	.371	-.095	.805	1.242
	PL_TpudN	-.179 ^b	-1.790	.077	-.187	.992	1.008
	PL_TSpudN	.031 ^b	.304	.762	.032	.980	1.021
	S_ud	-.025 ^b	-.167	.868	-.018	.472	2.120
	R_ud	.064 ^b	.625	.533	.067	.968	1.034
	SMSP_ud	-.206 ^b	-2.076	.041	-.216	.997	1.003
2	Nodes	.084 ^c	.697	.488	.075	.672	1.488
	Edges_ud	.084 ^c	.688	.493	.074	.668	1.497
	CC_ud	.324 ^c	1.851	.068	.195	.310	3.224
	GD_ud	-.036 ^c	-.336	.738	-.036	.847	1.181

Tpaths_ud	-.027 ^c	-.216	.830	-.023	.617	1.621
TSpaths_ud	.096 ^c	.478	.634	.051	.246	4.066
AvgPL_ud	-.035 ^c	-.325	.746	-.035	.841	1.189
AvgGL_ud	-.063 ^c	-.556	.579	-.060	.780	1.282
PL_TpudN	-.106 ^c	-.946	.347	-.101	.780	1.283
PL_TSpudN	.059 ^c	.582	.562	.062	.964	1.038
S_ud	.087 ^c	.564	.574	.060	.418	2.394
R_ud	.138 ^c	1.318	.191	.140	.883	1.133

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	Nodes	.672
	Edges_ud	.668
	CC_ud	.813
	GD_ud	.886
	Tpaths_ud	.655
	TSpaths_ud	.249
	AvgPL_ud	.882
	AvgGL_ud	.805
	PL_TpudN	.992
	PL_TSpudN	.980

	S_ud	.472
	R_ud	.968
	SMSP_ud	.997
2	Nodes	.670
	Edges_ud	.666
	CC_ud	.310
	GD_ud	.847
	Tpaths_ud	.617
	TSpaths_ud	.245
	AvgPL_ud	.841
	AvgGL_ud	.780
	PL_TpudN	.780
	PL_TSpudN	.964
	S_ud	.418
	R_ud	.883

a. Dependent Variable: ECud

b. Predictors in the Model: (Constant), Den_ud

c. Predictors in the Model: (Constant), Den_ud, SMSP_ud

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	Den_ud	SMSP_ud
1	1	1.875	1.000	.06	.06	
	2	.125	3.877	.94	.94	
2	1	2.270	1.000	.04	.04	.08
	2	.607	1.934	.03	.06	.91
	3	.123	4.290	.93	.91	.01

a. Dependent Variable: ECud

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00727881304 9197	.01346196327 3585	.01098901098 9011	.00096933488 8916
Std. Predicted Value	-3.828	2.551	.000	1.000
Standard Error of Predicted Value	.000	.001	.000	.000
Adjusted Predicted Value	.00798260513 6931	.01348010264 3371	.01099615070 7481	.00093489568 3185
Residual	- .01184886973 3512	.00274204579 1820	.00000000000 0000	.00240707057 9787
Std. Residual	-4.868	1.126	.000	.989
Stud. Residual	-4.934	1.169	-.001	1.003

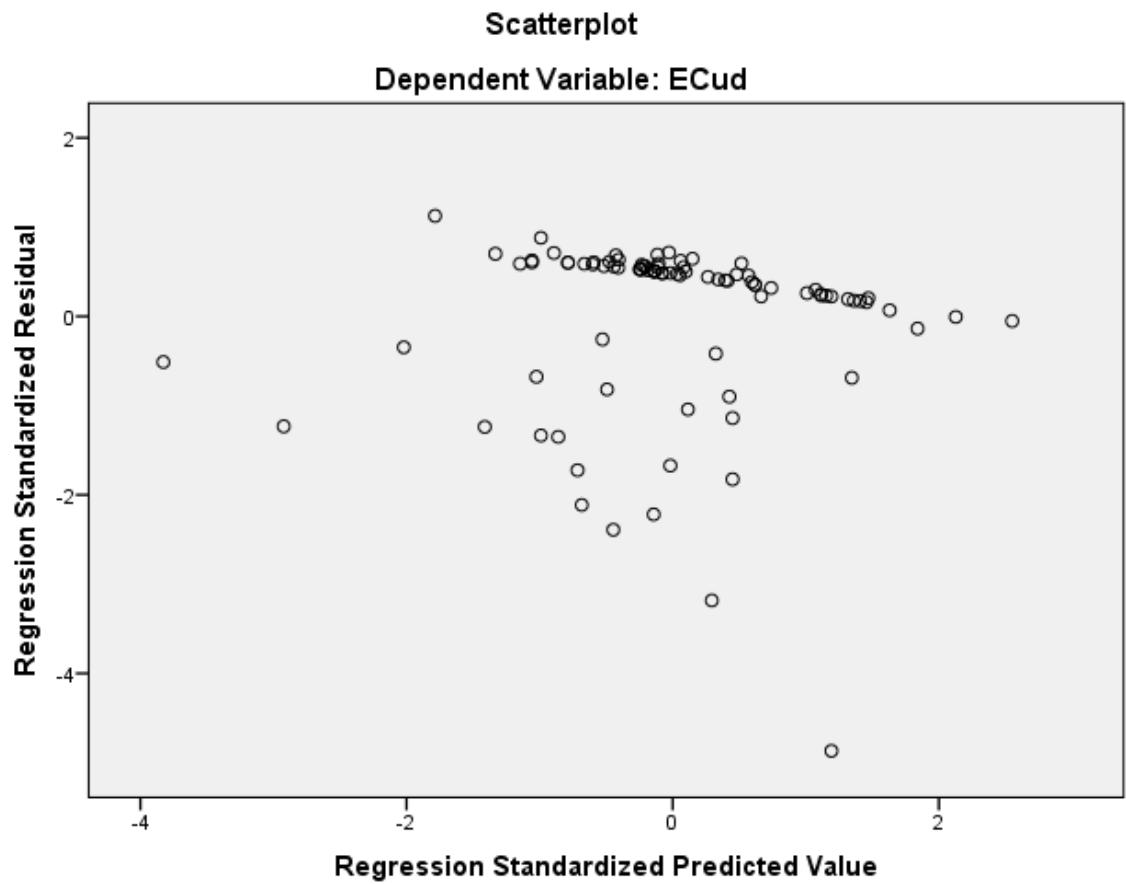
Deleted Residual	-	.00295514008	-	.00247972229
	.01217505894	0303	.00000713971	5167
	6013		8470	
Stud. Deleted Residual	-5.768	1.172	-.017	1.063
Mahal. Distance	.049	31.465	1.978	3.781
Cook's Distance	.000	.223	.010	.028
Centered Leverage Value	.001	.350	.022	.042

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: ECud

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT PL_EVCudN

/METHOD=STEPWISE Nodes Edges_ud Den_ud CC_ud GD_ud Tpaths_ud TSpaths_ud AvgPL_ud
AvgGL_ud PL_TpudN PL_TSpudN S_ud R_ud SMSP_ud

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created		05-JUN-2015 13:41:04
Comments		
Input	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91

Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION
		/MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT PL_EVCudN /METHOD=STEPWISE Nodes Edges_ud Den_ud CC_ud GD_ud Tpaths_ud TSpaths_ud AvgPL_ud AvgGL_ud PL_TpudN PL_TSpudN S_ud R_ud SMSP_ud /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.25
	Elapsed Time	00:00:00.23
	Memory Required	16512 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_20	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	S_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	CC_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: PL_EVCudN

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.596 ^a	.356	.348	.00285351043 8057

2	.650 ^b	.423	.410	.00271564795 2572
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a. Predictors: (Constant), S_ud

b. Predictors: (Constant), S_ud, CC_ud

c. Dependent Variable: PL_EVCudN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	49.096	.000 ^b
	Residual	.001	89	.000		
	Total	.001	90			
2	Regression	.000	2	.000	32.237	.000 ^c
	Residual	.001	88	.000		
	Total	.001	90			

a. Dependent Variable: PL_EVCudN

b. Predictors: (Constant), S_ud

c. Predictors: (Constant), S_ud, CC_ud

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.007	.001		12.090	.000
	S_ud	.335	.048	.596	7.007	.000
2	(Constant)	.008	.001		13.102	.000
	S_ud	.238	.055	.423	4.346	.000
	CC_ud	.055	.017	.312	3.204	.002

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	S_ud	1.000	1.000
2	(Constant)		
	S_ud	.692	1.445
	CC_ud	.692	1.445

a. Dependent Variable: PL_EVCudN

Excluded Variables^a

Model	Beta In	t	Sig.	Partial	Collinearity Statistics
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					Correlation	Tolerance	VIF
1	Nodes	-.018 ^b	-.190	.850	-.020	.803	1.246
	Edges_ud	-.016 ^b	-.172	.864	-.018	.804	1.244
	Den_ud	.239 ^b	1.963	.053	.205	.472	2.120
	CC_ud	.312 ^b	3.204	.002	.323	.692	1.445
	GD_ud	-.107 ^b	-1.258	.212	-.133	.986	1.014
	Tpaths_ud	-.076 ^b	-.881	.381	-.093	.971	1.030
	TSpaths_ud	-.121 ^b	-1.131	.261	-.120	.628	1.592
	AvgPL_ud	-.108 ^b	-1.267	.209	-.134	.987	1.013
	AvgGL_ud	-.167 ^b	-1.989	.050	-.207	.998	1.002
	PL_TpudN	.142 ^b	1.549	.125	.163	.848	1.180
	PL_TSpudN	.019 ^b	.218	.828	.023	1.000	1.000
	R_ud	.024 ^b	.229	.819	.024	.665	1.505
	SMSP_ud	.254 ^b	2.997	.004	.304	.924	1.082
2	Nodes	-.046 ^c	-.504	.615	-.054	.795	1.257
	Edges_ud	-.046 ^c	-.502	.617	-.054	.796	1.256
	Den_ud	.221 ^c	1.896	.061	.199	.471	2.125
	GD_ud	-.093 ^c	-1.146	.255	-.122	.983	1.017
	Tpaths_ud	-.072 ^c	-.879	.382	-.094	.971	1.030
	TSpaths_ud	-.146 ^c	-1.430	.156	-.151	.625	1.600
	AvgPL_ud	-.094 ^c	-1.151	.253	-.122	.984	1.016
	AvgGL_ud	-.150 ^c	-1.874	.064	-.197	.993	1.007

PL_TpudN	.137 ^c	1.569	.120	.166	.847	1.180
PL_TSpudN	.004 ^c	.050	.960	.005	.997	1.003
R_ud	.023 ^c	.234	.816	.025	.665	1.505
SMSP_ud	.123 ^c	1.004	.318	.107	.437	2.286

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	Nodes	.803
	Edges_ud	.804
	Den_ud	.472
	CC_ud	.692
	GD_ud	.986
	Tpaths_ud	.971
	TSpaths_ud	.628
	AvgPL_ud	.987
	AvgGL_ud	.998
	PL_TpudN	.848
	PL_TSpudN	1.000
	R_ud	.665
	SMSP_ud	.924
2	Nodes	.568

Edges_ud	.567
Den_ud	.401
GD_ud	.680
Tpaths_ud	.679
TSpaths_ud	.472
AvgPL_ud	.681
AvgGL_ud	.688
PL_TpudN	.619
PL_TSpudN	.690
R_ud	.513
SMSP_ud	.327

a. Dependent Variable: PL_EVCudN

b. Predictors in the Model: (Constant), S_ud

c. Predictors in the Model: (Constant), S_ud, CC_ud

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	S_ud	CC_ud
1	1	1.869	1.000	.07	.07	
	2	.131	3.777	.93	.93	

2	1	2.354	1.000	.03	.03	.06
	2	.545	2.079	.12	.01	.67
	3	.101	4.820	.85	.96	.28

a. Dependent Variable: PL_EVCudN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00783613231 0331	.01993637904 5248	.01098901098 9011	.00229848363 6096
Std. Predicted Value	-1.372	3.893	.000	1.000
Standard Error of Predicted Value	.000	.002	.000	.000
Adjusted Predicted Value	.00780558446 4222	.02120414003 7298	.01099065623 1147	.00232578022 9753
Residual	- .00811682082 7127	.00672273384 4072	.00000000000 0000	.00268530456 4980
Std. Residual	-2.989	2.476	.000	.989
Stud. Residual	-3.047	2.509	.000	1.007
Deleted Residual	- .00843671429 9023	.00690577039 4951	- .00000164524 2136	.00278864891 2618
Stud. Deleted Residual	-3.204	2.589	-.005	1.026
Mahal. Distance	.025	32.945	1.978	4.211

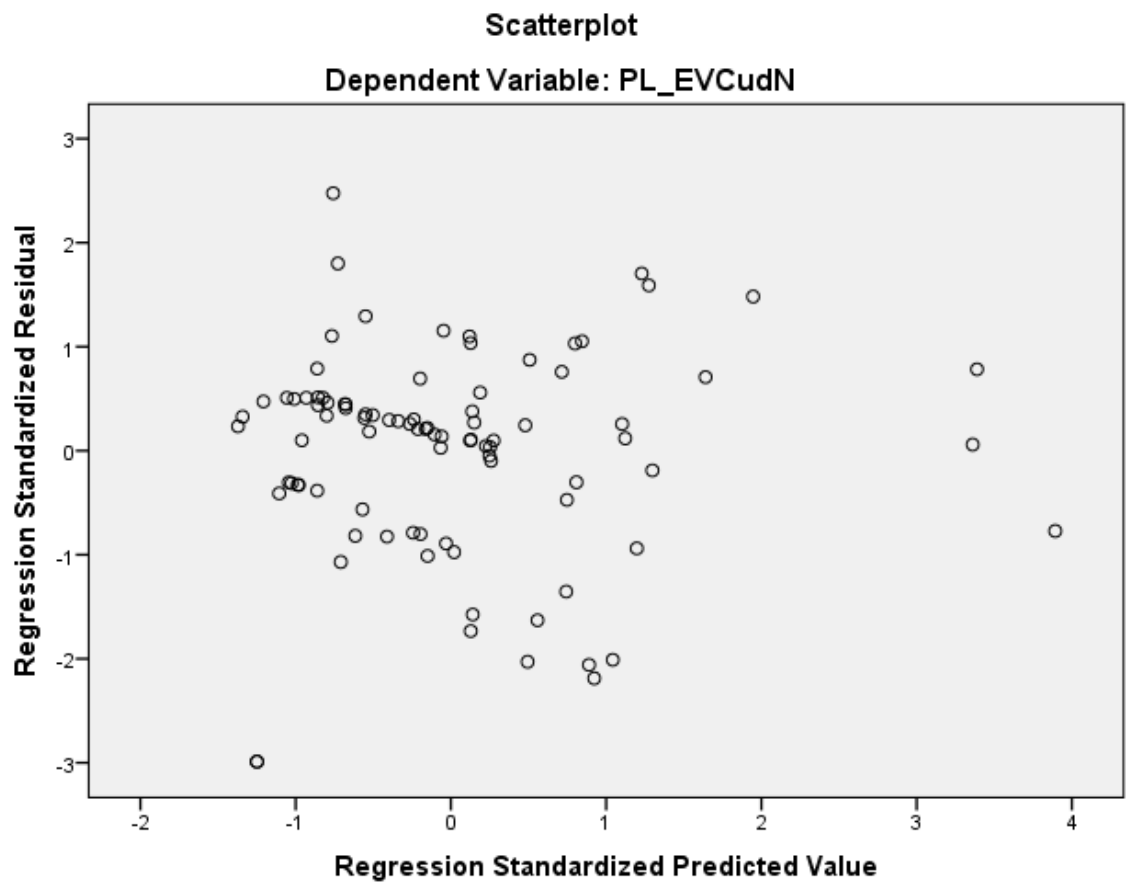
Cook's Distance	.000	.193	.013	.030
Centered Leverage Value	.000	.366	.022	.047

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: PL_EVCudN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT EVCud_TpudN

/METHOD=STEPWISE Nodes Edges_ud Den_ud CC_ud GD_ud Tpaths_ud TSpaths_ud AvgPL_ud
AvgGL_ud PL_TpudN PL_TSpudN S_ud R_ud SMSP_ud

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created		05-JUN-2015 13:41:36
Comments		
Input	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT EVCud_TpudN /METHOD=STEPWISE Nodes Edges_ud Den_ud CC_ud GD_ud Tpaths_ud TSpaths_ud AvgPL_ud AvgGL_ud PL_TpudN PL_TSpudN S_ud R_ud SMSP_ud /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.27
	Elapsed Time	00:00:00.26
	Memory Required	16544 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_21	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	PL_TpudN		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	R_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
3	GD_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
4	AvgPL_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: EVCud_TpudN

Model Summary^e

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.705 ^a	.497	.492	.00366605517 4553
2	.767 ^b	.588	.578	.00333928759 5891
3	.781 ^c	.610	.597	.00326487084 6966
4	.894 ^d	.799	.790	.00235586775 9189

a. Predictors: (Constant), PL_TpudN

b. Predictors: (Constant), PL_TpudN, R_ud

c. Predictors: (Constant), PL_TpudN, R_ud, GD_ud

d. Predictors: (Constant), PL_TpudN, R_ud, GD_ud, AvgPL_ud

e. Dependent Variable: EVCud_TpudN

ANOVA^a

Model	Sum of Squares	df	Mean Square	F	Sig.
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1	Regression	.001	1	.001	88.096	.000 ^b
	Residual	.001	89	.000		
	Total	.002	90			
2	Regression	.001	2	.001	62.726	.000 ^c
	Residual	.001	88	.000		
	Total	.002	90			
3	Regression	.001	3	.000	45.431	.000 ^d
	Residual	.001	87	.000		
	Total	.002	90			
4	Regression	.002	4	.000	85.713	.000 ^e
	Residual	.000	86	.000		
	Total	.002	90			

a. Dependent Variable: EVCud_TpudN

b. Predictors: (Constant), PL_TpudN

c. Predictors: (Constant), PL_TpudN, R_ud

d. Predictors: (Constant), PL_TpudN, R_ud, GD_ud

e. Predictors: (Constant), PL_TpudN, R_ud, GD_ud, AvgPL_ud

Coefficients^a

Model	Unstandardized Coefficients	Standardized Coefficients	t	Sig.
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		B	Std. Error	Beta		
1	(Constant)	.004	.001		5.251	.000
	PL_TpudN	.612	.065	.705	9.386	.000
2	(Constant)	-.008	.003		-2.748	.007
	PL_TpudN	.449	.070	.517	6.408	.000
	R_ud	1.267	.289	.354	4.390	.000
3	(Constant)	-.005	.003		-1.807	.074
	PL_TpudN	.437	.069	.504	6.368	.000
	R_ud	.853	.337	.239	2.535	.013
	GD_ud	.203	.090	.194	2.249	.027
4	(Constant)	-.007	.002		-3.208	.002
	PL_TpudN	.330	.051	.381	6.480	.000
	R_ud	.980	.243	.274	4.026	.000
	GD_ud	11.035	1.205	10.593	9.160	.000
	AvgPL_ud	-10.711	1.189	-10.383	-9.005	.000

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	PL_TpudN	1.000	1.000
2	(Constant)		
	PL_TpudN	.719	1.391

	R_ud	.719	1.391
3	(Constant)		
	PL_TpudN	.715	1.399
	R_ud	.505	1.981
	GD_ud	.599	1.670
4	(Constant)		
	PL_TpudN	.676	1.480
	R_ud	.503	1.988
	GD_ud	.002	573.473
	AvgPL_ud	.002	570.110

a. Dependent Variable: EVCud_TpudN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics		
						Tolerance	VIF	Minimum Tolerance
1	Nodes	-.067 ^b	-.866	.389	-.092	.953	1.050	.953
	Edges_ud	-.062 ^b	-.807	.422	-.086	.959	1.043	.959
	Den_ud	.014 ^b	.184	.854	.020	.992	1.008	.992
	CC_ud	.099 ^b	1.291	.200	.136	.947	1.056	.947
	GD_ud	.314 ^b	4.207	.000	.409	.853	1.172	.853

	Tpaths_ud	.186 ^b	2.454	.016	.253	.928	1.078	.928
	TSpaths_ud	-.010 ^b	-.137	.892	-.015	.985	1.015	.985
	AvgPL_ud	.292 ^b	3.874	.000	.382	.860	1.163	.860
	AvgGL_ud	.245 ^b	3.324	.001	.334	.936	1.069	.936
	PL_TSpud N	.130 ^b	1.744	.085	.183	.990	1.010	.990
	S_ud	.161 ^b	2.002	.048	.209	.848	1.180	.848
	R_ud	.354 ^b	4.390	.000	.424	.719	1.391	.719
	SMSP_ud	-.048 ^b	-.565	.573	-.060	.783	1.277	.783
2	Nodes	-.056 ^c	-.794	.430	-.085	.951	1.051	.699
	Edges_ud	-.056 ^c	-.805	.423	-.086	.958	1.043	.699
	Den_ud	-.035 ^c	-.495	.622	-.053	.967	1.034	.701
	CC_ud	.026 ^c	.353	.725	.038	.891	1.123	.676
	GD_ud	.194 ^c	2.249	.027	.234	.599	1.670	.505
	Tpaths_ud	.073 ^c	.946	.347	.101	.780	1.282	.604
	TSpaths_ud	-.009 ^c	-.133	.894	-.014	.985	1.015	.712
	AvgPL_ud	.163 ^c	1.879	.064	.198	.602	1.660	.503
	AvgGL_ud	.116 ^c	1.416	.160	.150	.690	1.449	.530
	PL_TSpud N	.015 ^c	.205	.838	.022	.841	1.189	.611
	S_ud	.007 ^c	.077	.939	.008	.655	1.527	.555
	SMSP_ud	-.073 ^c	-.943	.348	-.101	.779	1.283	.616
3	Nodes	-.114 ^d	-1.595	.114	-.169	.862	1.161	.484

	Edges_ud	-.117 ^d	-1.634	.106	-.174	.863	1.159	.486
	Den_ud	.086 ^d	1.023	.309	.110	.628	1.593	.382
	CC_ud	.071 ^d	.970	.335	.104	.832	1.201	.446
	Tpaths_ud	-.573 ^d	-3.029	.003	-.310	.114	8.746	.088
	TSpaths_ud	-.136 ^d	-1.689	.095	-.179	.680	1.470	.413
	AvgPL_ud	-10.383 ^d	-9.005	.000	-.697	.002	570.110	.002
	AvgGL_ud	-.174 ^d	-1.060	.292	-.114	.166	6.026	.144
	PL_TSpud N	-.032 ^d	-.414	.680	-.045	.779	1.284	.483
	S_ud	.097 ^d	1.076	.285	.115	.549	1.822	.327
	SMSP_ud	-.065 ^d	-.857	.394	-.092	.777	1.286	.501
4	Nodes	-.039 ^e	-.741	.460	-.080	.839	1.192	.002
	Edges_ud	-.038 ^e	-.721	.473	-.078	.838	1.194	.002
	Den_ud	.008 ^e	.130	.897	.014	.615	1.626	.002
	CC_ud	.049 ^e	.931	.354	.100	.831	1.204	.002
	Tpaths_ud	-.144 ^e	-.946	.347	-.102	.101	9.944	.002
	TSpaths_ud	-.027 ^e	-.443	.659	-.048	.650	1.538	.002
	AvgGL_ud	.103 ^e	.842	.402	.091	.155	6.441	.002
	PL_TSpud N	-.043 ^e	-.775	.440	-.084	.779	1.284	.002
	S_ud	.065 ^e	.993	.323	.107	.547	1.828	.002
	SMSP_ud	.035 ^e	.625	.534	.068	.746	1.340	.002

a. Dependent Variable: EVCud_TpudN

b. Predictors in the Model: (Constant), PL_TpudN

c. Predictors in the Model: (Constant), PL_TpudN, R_ud

d. Predictors in the Model: (Constant), PL_TpudN, R_ud, GD_ud

e. Predictors in the Model: (Constant), PL_TpudN, R_ud, GD_ud, AvgPL_ud

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	PL_TpudN	R_ud
1	1	1.881	1.000	.06	.06	
	2	.119	3.978	.94	.94	
2	1	2.853	1.000	.00	.02	.00
	2	.140	4.517	.02	.77	.01
	3	.007	20.613	.97	.21	.99
3	1	3.756	1.000	.00	.01	.00
	2	.142	5.147	.01	.84	.00
	3	.097	6.207	.03	.02	.01
	4	.005	27.017	.96	.13	.99
4	1	4.695	1.000	.00	.01	.00
	2	.165	5.326	.00	.42	.00
	3	.134	5.910	.04	.39	.01
	4	.005	30.135	.95	.13	.99
	5	.000	178.862	.01	.06	.00

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions	
		GD_ud	AvgPL_ud
1	1		
	2		
2	1		
	2		
	3		
3	1	.01	
	2	.02	
	3	.72	
	4	.25	
4	1	.00	.00
	2	.00	.00
	3	.00	.00
	4	.00	.00
	5	1.00	1.00

a. Dependent Variable: EVCud_TpudN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00121667073 1083	.01913316734 1352	.01098901098 9011	.00459813876 7029
Std. Predicted Value	-2.125	1.771	.000	1.000
Standard Error of Predicted Value	.000	.001	.001	.000
Adjusted Predicted Value	.00130398629 6989	.01946979947 3882	.01100289294 5105	.00462836293 8232
Residual	- .01208088826 3881	.00526513205 8412	.00000000000 0000	.00230292014 9374
Std. Residual	-5.128	2.235	.000	.978
Stud. Residual	-5.529	2.382	-.003	1.033
Deleted Residual	- .01404317561 5370	.00615523429 5875	- .00001388195 6094	.00257324627 3050
Stud. Deleted Residual	-6.846	2.451	-.015	1.126
Mahal. Distance	.402	22.785	3.956	3.872
Cook's Distance	.000	.993	.025	.109
Centered Leverage Value	.004	.253	.044	.043

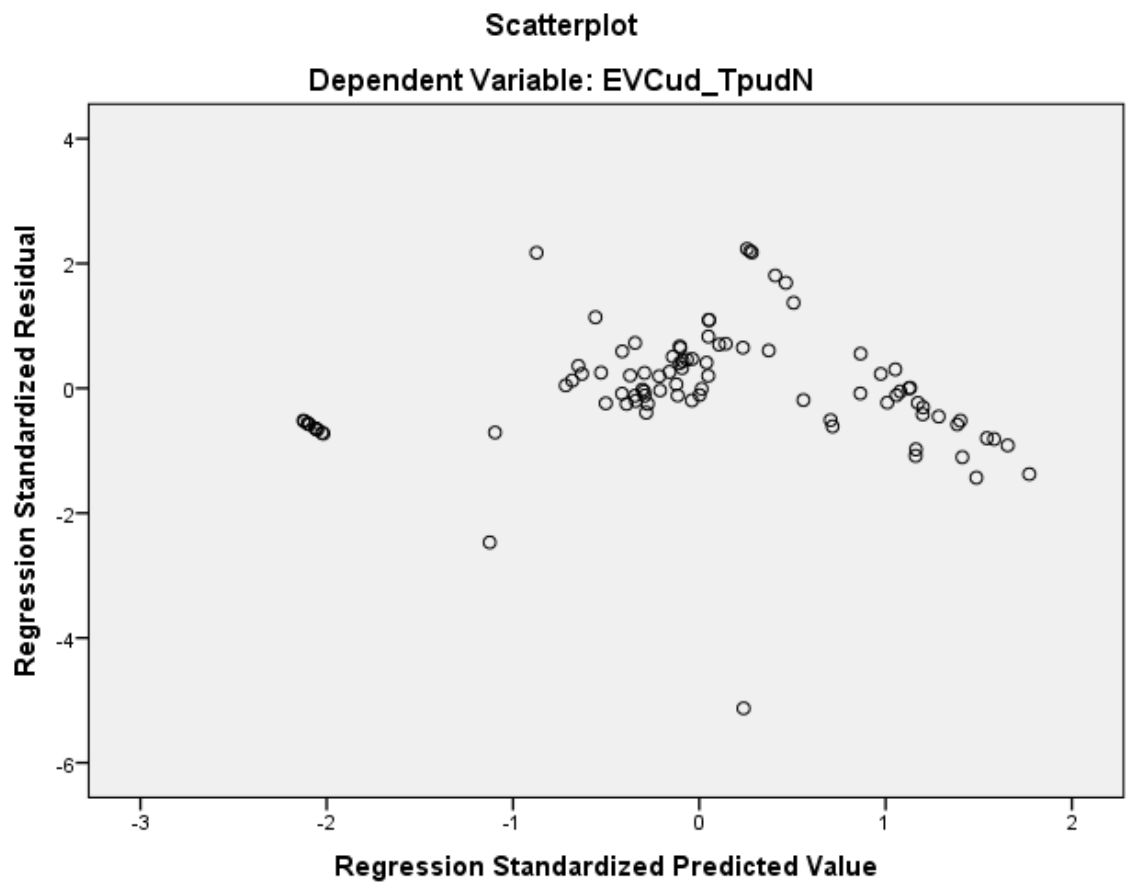
Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91

Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: EVCud_TpudN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT EVCud_TSpudN

/METHOD=STEPWISE Nodes Edges_ud Den_ud CC_ud GD_ud Tpaths_ud TSpaths_ud AvgPL_ud
AvgGL_ud PL_TpudN PL_TSpudN S_ud R_ud SMSP_ud

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT EVCud_TSpudN /METHOD=STEPWISE Nodes Edges_ud Den_ud CC_ud GD_ud Tpaths_ud TSpaths_ud AvgPL_ud AvgGL_ud PL_TpudN PL_TSpudN S_ud R_ud SMSP_ud /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.20
	Elapsed Time	00:00:00.21
	Memory Required	16592 bytes
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Variables Created or Modified	COO_22	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	AvgGL_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: EVCud_TSpudN

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.293 ^a	.086	.076	.00056388059 2108

a. Predictors: (Constant), AvgGL_ud

b. Dependent Variable: EVCud_TSpudN

ANOVA^a

Model	Sum of Squares	df	Mean Square	F	Sig.
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1	Regression	.000	1	.000	8.362	.005 ^b
	Residual	.000	89	.000		
	Total	.000	90			

a. Dependent Variable: EVCud_TSpudN

b. Predictors: (Constant), AvgGL_ud

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.012	.000		58.967	.000
	AvgGL_ud	-.049	.017	-.293	-2.892	.005

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	AvgGL_ud	1.000	1.000

a. Dependent Variable: EVCud_TSpudN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	Nodes	.124 ^b	1.178	.242	.125	.930	1.076
	Edges_ud	.149 ^b	1.416	.160	.149	.917	1.091
	Den_ud	.089 ^b	.786	.434	.083	.805	1.242
	CC_ud	.010 ^b	.099	.922	.011	.999	1.001
	GD_ud	.035 ^b	.146	.884	.016	.177	5.657
	Tpaths_ud	.202 ^b	.877	.383	.093	.194	5.146
	TSpaths_ud	.087 ^b	.720	.474	.076	.714	1.400
	AvgPL_ud	.084 ^b	.337	.737	.036	.169	5.934
	PL_TpudN	-.002 ^b	-.018	.986	-.002	.936	1.069
	PL_TSpudN	.134 ^b	1.214	.228	.128	.845	1.183
	S_ud	.090 ^b	.886	.378	.094	.998	1.002
	R_ud	.085 ^b	.695	.489	.074	.692	1.445
	SMSP_ud	-.015 ^b	-.146	.884	-.016	.983	1.018

Excluded Variables^a

Model		Collinearity Statistics	
		Minimum Tolerance	
1	Nodes	.930	

Edges_ud	.917
Den_ud	.805
CC_ud	.999
GD_ud	.177
Tpaths_ud	.194
TSpaths_ud	.714
AvgPL_ud	.169
PL_TpudN	.936
PL_TSpudN	.845
S_ud	.998
R_ud	.692
SMSP_ud	.983

a. Dependent Variable: EVCud_TSpudN

b. Predictors in the Model: (Constant), AvgGL_ud

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions	
				(Constant)	AvgGL_ud
1	1	1.953	1.000	.02	.02
	2	.047	6.460	.98	.98

a. Dependent Variable: EVCud_TSpudN

Residuals Statistics^a

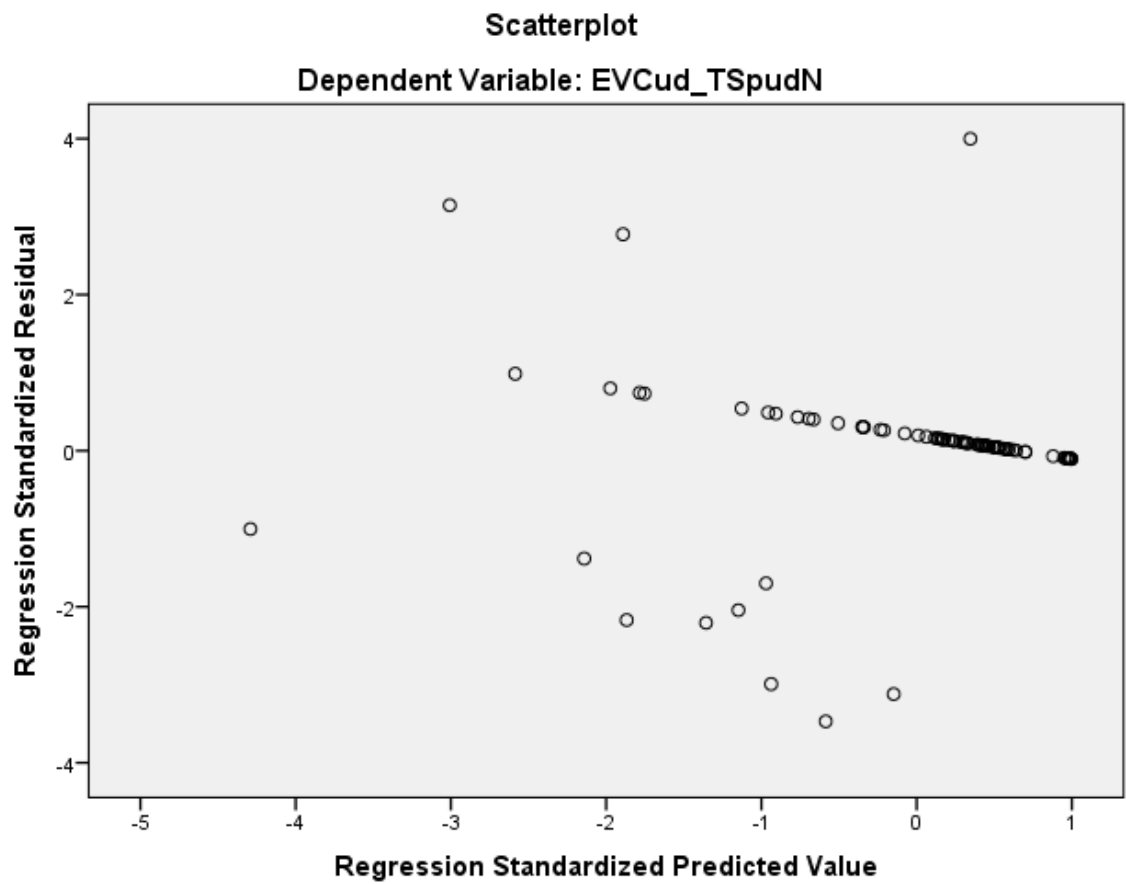
	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.01025138795 3758	.01116024516 5229	.01098901098 9011	.00017187558 8335
Std. Predicted Value	-4.292	.996	.000	1.000
Standard Error of Predicted Value	.000	.000	.000	.000
Adjusted Predicted Value	.01024934742 5997	.01116158533 8414	.01098840265 8391	.00017564130 4768
Residual	- .00195608241 4836	.00225424440 5776	.00000000000 0000	.00056073917 1608
Std. Residual	-3.469	3.998	.000	.994
Stud. Residual	-3.495	4.023	.001	1.014
Deleted Residual	- .00198547355 8307	.00228235288 5231	.00000060833 0620	.00058353415 0141
Stud. Deleted Residual	-3.741	4.422	.000	1.068
Mahal. Distance	.000	18.418	.989	2.321
Cook's Distance	.000	.699	.021	.081
Centered Leverage Value	.000	.205	.011	.026

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: EVCud_TSpudN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT ECud

/METHOD=STEPWISE GD_ud Tpaths_ud TSpudN_ud AvgPL_ud AvgGL_ud

/SCATTERPLOT=(*ZRESID,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created		05-JUN-2015 13:36:02	
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	N of Rows in Working Data File	91	
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.	
	Cases Used	Statistics are based on cases with no missing values for any variable used.	

Syntax		REGRESSION
		/MISSING LISTWISE
		/STATISTICS COEFF OUTS R
		ANOVA COLLIN TOL
		/CRITERIA=PIN(.05) POUT(.10)
		/NOORIGIN
		/DEPENDENT ECud
		/METHOD=STEPWISE GD_ud
		Tpaths_ud TSpaths_ud AvgPL_ud
		AvgGL_ud
		/SCATTERPLOT=(*ZRESID
		,*ZPRED)
		/SAVE COOK.
Resources	Processor Time	00:00:00.22
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	Memory Required	6272 bytes
	Additional Memory	
	Required for Residual	0 bytes
Plots		
Variables Created or	COO_11	Cook's Distance
Modified		

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
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1	TSpaths_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
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a. Dependent Variable: ECud

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.259 ^a	.067	.056	.00252055969 7247

a. Predictors: (Constant), TSpaths_ud

b. Dependent Variable: ECud

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	6.388	.013 ^b
	Residual	.001	89	.000		

Total	.001	90			
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a. Dependent Variable: ECud

b. Predictors: (Constant), TSpats_ud

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
1 (Constant)	.015	.002		9.443	.000
TSpats_ud	-.359	.142	-.259	-2.528	.013

Coefficients^a

Model	Collinearity Statistics	
	Tolerance	VIF
1 (Constant)		
TSpats_ud	1.000	1.000

a. Dependent Variable: ECud

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	GD_ud	-.092 ^b	-.829	.409	-.088	.856	1.168
	Tpaths_ud	-.120 ^b	-.865	.389	-.092	.544	1.840
	AvgPL_ud	-.092 ^b	-.822	.413	-.087	.849	1.178
	AvgGL_ud	-.113 ^b	-.931	.354	-.099	.714	1.400

Excluded Variables^a

Model		Collinearity Statistics	
		Minimum Tolerance	
1	GD_ud	.856	
	Tpaths_ud	.544	
	AvgPL_ud	.849	
	AvgGL_ud	.714	

a. Dependent Variable: ECud

b. Predictors in the Model: (Constant), TSpats_ud

Collinearity Diagnostics^a

Model Dimension		Eigenvalue	Condition Index	Variance Proportions	
				(Constant)	TSpats_ud

1	1	1.986	1.000	.01	.01
	2	.014	11.882	.99	.99

a. Dependent Variable: ECud

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00858761649 5788	.01205253042 2807	.01098901098 9011	.00067154230 1040
Std. Predicted Value	-3.576	1.584	.000	1.000
Standard Error of Predicted Value	.000	.001	.000	.000
Adjusted Predicted Value	.00807865895 3309	.01200065389 2756	.01098037904 4014	.00070337275 9694
Residual	- .01130016520 6194	.00281603098 8470	.00000000000 0000	.00250651747 2682
Std. Residual	-4.483	1.117	.000	.994
Stud. Residual	-4.529	1.214	.002	1.006
Deleted Residual	- .01153165008 8727	.00332498899 6610	.00000863194 4997	.00256676623 6419
Stud. Deleted Residual	-5.134	1.217	-.011	1.049
Mahal. Distance	.001	12.787	.989	2.125
Cook's Distance	.001	.210	.012	.030

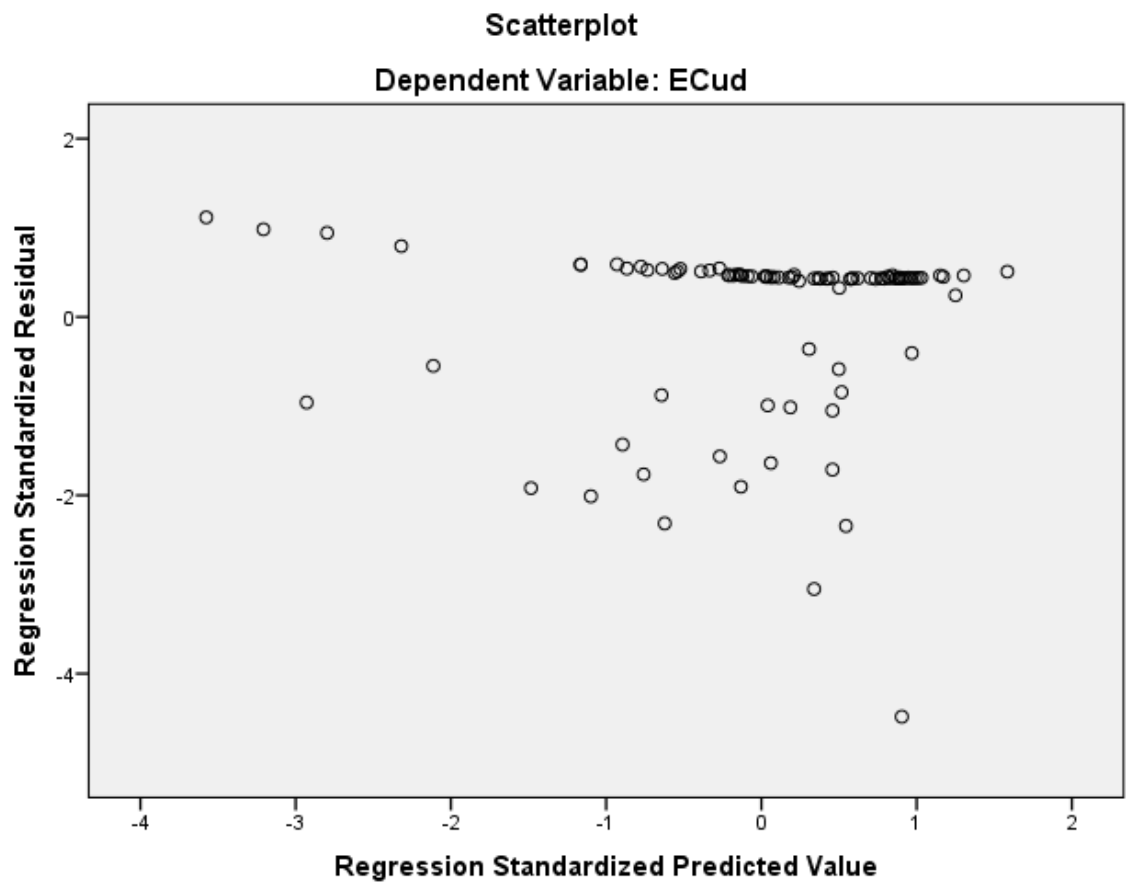
Centered Leverage Value	.000	.142	.011	.024
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Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: ECud

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT PL_EVCudN

/METHOD=STEPWISE GD_ud Tpaths_ud TSpaths_ud AvgPL_ud AvgGL_ud

/SCATTERPLOT=(*ZRESID,*ZPRED)

/SAVE COOK.

Regression

Notes

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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION
		/MISSING LISTWISE
		/STATISTICS COEFF OUTS R
		ANOVA COLLIN TOL
		/CRITERIA=PIN(.05) POUT(.10)
		/NOORIGIN
		/DEPENDENT PL_EVCudN
		/METHOD=STEPWISE GD_ud
		Tpaths_ud TSpaths_ud AvgPL_ud
		AvgGL_ud
		/SCATTERPLOT=(*ZRESID
		,*ZPRED)
		/SAVE COOK.
Resources	Processor Time	00:00:00.22
	Elapsed Time	00:00:00.22
	Memory Required	6320 bytes
	Additional Memory	
	Required for Residual	0 bytes
Plots		
Variables Created or	COO_12	Cook's Distance
Modified		

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
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1	TSpaths_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
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a. Dependent Variable: PL_EVCudN

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.440 ^a	.193	.184	.00319222887 3152

a. Predictors: (Constant), TSpaths_ud

b. Dependent Variable: PL_EVCudN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	21.345	.000 ^b
	Residual	.001	89	.000		

Total	.001	90			
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a. Dependent Variable: PL_EVCudN

b. Predictors: (Constant), TSpats_ud

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
1 (Constant)	.020	.002		10.044	.000
TSpats_ud	-.830	.180	-.440	-4.620	.000

Coefficients^a

Model	Collinearity Statistics	
	Tolerance	VIF
1 (Constant)		
TSpats_ud	1.000	1.000

a. Dependent Variable: PL_EVCudN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	GD_ud	.154 ^b	1.507	.135	.159	.856	1.168
	Tpaths_ud	.224 ^b	1.752	.083	.184	.544	1.840
	AvgPL_ud	.156 ^b	1.521	.132	.160	.849	1.178
	AvgGL_ud	.137 ^b	1.220	.226	.129	.714	1.400

Excluded Variables^a

Model		Collinearity Statistics	
		Minimum Tolerance	
1	GD_ud	.856	
	Tpaths_ud	.544	
	AvgPL_ud	.849	
	AvgGL_ud	.714	

a. Dependent Variable: PL_EVCudN

b. Predictors in the Model: (Constant), TSpats_ud

Collinearity Diagnostics^a

Model Dimension		Eigenvalue	Condition Index	Variance Proportions	
				(Constant)	TSpats_ud

1	1	1.986	1.000	.01	.01
	2	.014	11.882	.99	.99

a. Dependent Variable: PL_EVCudN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00542984809 7265	.01345103047 7881	.01098901098 9011	.00155460229 2819
Std. Predicted Value	-3.576	1.584	.000	1.000
Standard Error of Predicted Value	.000	.001	.000	.000
Adjusted Predicted Value	.00508606946 0958	.01314970850 9445	.01097040747 2869	.00159735943 0472
Residual	- .00917928945 2732	.00745336292 3115	.00000000000 0000	.00317444472 9912
Std. Residual	-2.876	2.335	.000	.994
Stud. Residual	-2.914	2.382	.003	1.007
Deleted Residual	- .00942476838 8271	.00775468489 1552	.00001860351 6142	.00325482377 5934
Stud. Deleted Residual	-3.046	2.447	.003	1.023
Mahal. Distance	.001	12.787	.989	2.125
Cook's Distance	.000	.142	.013	.026

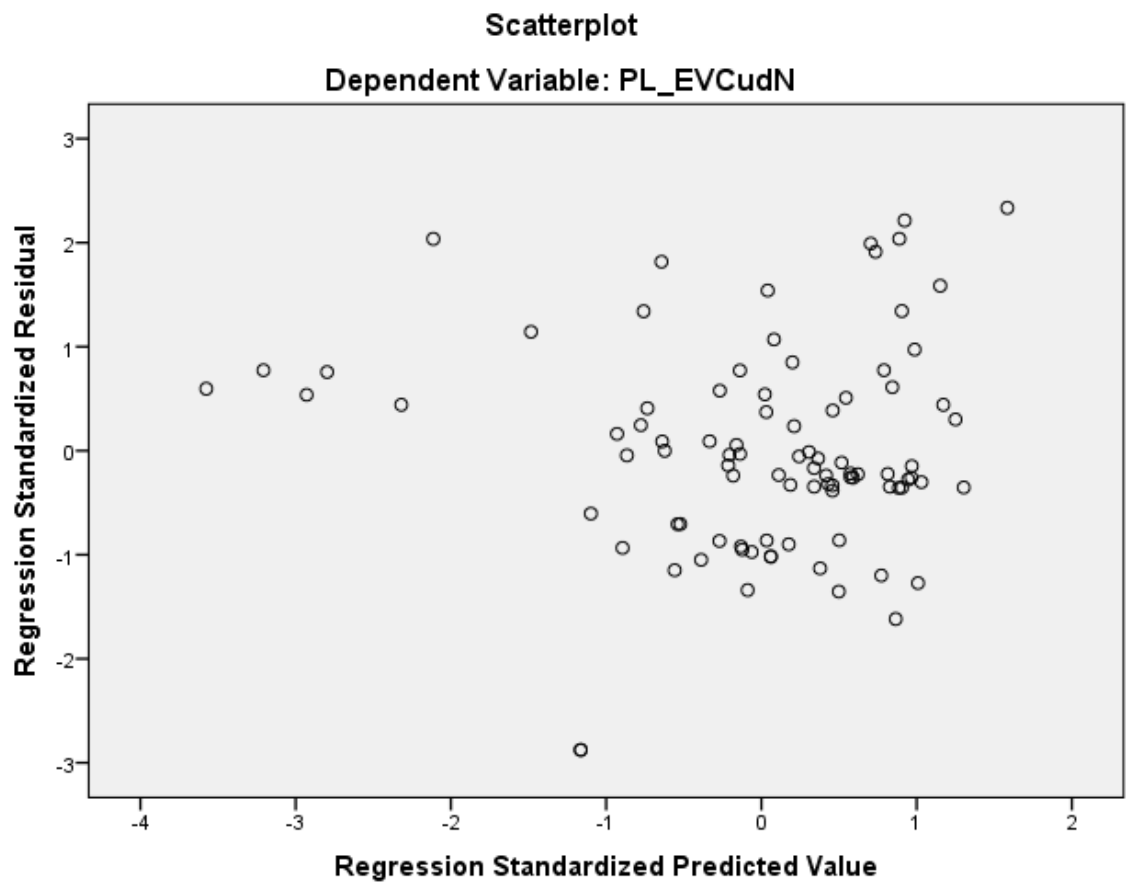
Centered Leverage Value	.000	.142	.011	.024
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Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: PL_EVCudN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT EVCud_TpudN

/METHOD=STEPWISE GD_ud Tpaths_ud TSpaths_ud AvgPL_ud AvgGL_ud

/SCATTERPLOT=(*ZRESID,*ZPRED)

/SAVE COOK.

Regression

Notes

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	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION
		/MISSING LISTWISE
		/STATISTICS COEFF OUTS R ANOVA COLLIN TOL
		/CRITERIA=PIN(.05) POUT(.10)
		/NOORIGIN
		/DEPENDENT EVCud_TpudN
		/METHOD=STEPWISE GD_ud Tpaths_ud TSpaths_ud AvgPL_ud AvgGL_ud
		/SCATTERPLOT=(*ZRESID ,*ZPRED)
		/SAVE COOK.
Resources	Processor Time	00:00:00.25
	Elapsed Time	00:00:00.23
	Memory Required	6352 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_13	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
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1	GD_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	AvgPL_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
3	TSpaths_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: EVCud_TpudN

Model Summary^d

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
-------	---	----------	-------------------	----------------------------

1	.538 ^a	.290	.282	.00435810827 5946
2	.761 ^b	.578	.569	.00337668058 3981
3	.787 ^c	.620	.607	.00322466307 0403

a. Predictors: (Constant), GD_ud

b. Predictors: (Constant), GD_ud, AvgPL_ud

c. Predictors: (Constant), GD_ud, AvgPL_ud, TSpaths_ud

d. Dependent Variable: EVCud_TpudN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.001	1	.001	36.318	.000 ^b
	Residual	.002	89	.000		
	Total	.002	90			
2	Regression	.001	2	.001	60.375	.000 ^c
	Residual	.001	88	.000		
	Total	.002	90			
3	Regression	.001	3	.000	47.299	.000 ^d
	Residual	.001	87	.000		

Total	.002	90			
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a. Dependent Variable: EVCud_TpudN

b. Predictors: (Constant), GD_ud

c. Predictors: (Constant), GD_ud, AvgPL_ud

d. Predictors: (Constant), GD_ud, AvgPL_ud, TSpats_ud

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
1	(Constant)	.005		4.309	.000
	GD_ud	.561	.538	6.026	.000
2	(Constant)	.004		4.042	.000
	GD_ud	13.532	12.990	8.090	.000
	AvgPL_ud	-12.857	-12.463	-7.762	.000
3	(Constant)	.010		4.515	.000
	GD_ud	12.438	11.939	7.601	.000
	AvgPL_ud	-11.683	-11.325	-7.181	.000
	TSpats_ud	-.622	-.226	-3.081	.003

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	GD_ud	1.000	1.000
2	(Constant)		
	GD_ud	.002	538.137
	AvgPL_ud	.002	538.137
3	(Constant)		
	GD_ud	.002	564.754
	AvgPL_ud	.002	569.344
	TSpaths_ud	.809	1.236

a. Dependent Variable: EVCud_TpudN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	Tpaths_ud	-.993 ^b	-4.577	.000	-.438	.138	7.226
	TSpaths_ud	-.350 ^b	-3.904	.000	-.384	.856	1.168
	AvgPL_ud	-12.463 ^b	-7.762	.000	-.638	.002	538.137
	AvgGL_ud	-.456 ^b	-2.191	.031	-.227	.177	5.657

2	Tpaths_ud	-.560 ^c	-2.945	.004	-.301	.122	8.212
	TSpaths_ud	-.226 ^c	-3.081	.003	-.314	.809	1.236
	AvgGL_ud	-.083 ^c	-.480	.632	-.051	.161	6.205
3	Tpaths_ud	-.096 ^d	-.171	.864	-.018	.014	71.565
	AvgGL_ud	.183 ^d	.993	.323	.107	.128	7.796

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	Tpaths_ud	.138
	TSpaths_ud	.856
	AvgPL_ud	.002
	AvgGL_ud	.177
2	Tpaths_ud	.002
	TSpaths_ud	.002
	AvgGL_ud	.002
3	Tpaths_ud	.002
	AvgGL_ud	.002

a. Dependent Variable: EVCud_TpudN

b. Predictors in the Model: (Constant), GD_ud

c. Predictors in the Model: (Constant), GD_ud, AvgPL_ud

d. Predictors in the Model: (Constant), GD_ud, AvgPL_ud, TSpaths_ud

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	GD_ud	AvgPL_ud
1	1	1.913	1.000	.04	.04	
	2	.087	4.690	.96	.96	
2	1	2.884	1.000	.02	.00	.00
	2	.116	4.980	.94	.00	.00
	3	.000	135.997	.04	1.00	1.00
3	1	3.831	1.000	.00	.00	.00
	2	.155	4.964	.05	.00	.00
	3	.013	16.899	.87	.00	.00
	4	.000	160.965	.08	1.00	1.00

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions
		TSpats_ud
1	1	
	2	
2	1	
	2	

	3	
3	1	.00
	2	.03
	3	.92
	4	.05

a. Dependent Variable: EVCud_TpudN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00080405658 8095	.02085336484 0150	.01098901098 9011	.00404901030 8897
Std. Predicted Value	-2.515	2.436	.000	1.000
Standard Error of Predicted Value	.000	.001	.001	.000
Adjusted Predicted Value	.00102264049 9286	.02143291011 4527	.01100052389 8499	.00405358035 2352
Residual	- .01615374162 7932	.00532903522 2530	.00000000000 0000	.00317046319 2294
Std. Residual	-5.009	1.653	.000	.983
Stud. Residual	-5.095	1.665	-.002	1.006
Deleted Residual	- .01671059802 1746	.00541108986 3628	- .00001151290 9488	.00331930891 7489

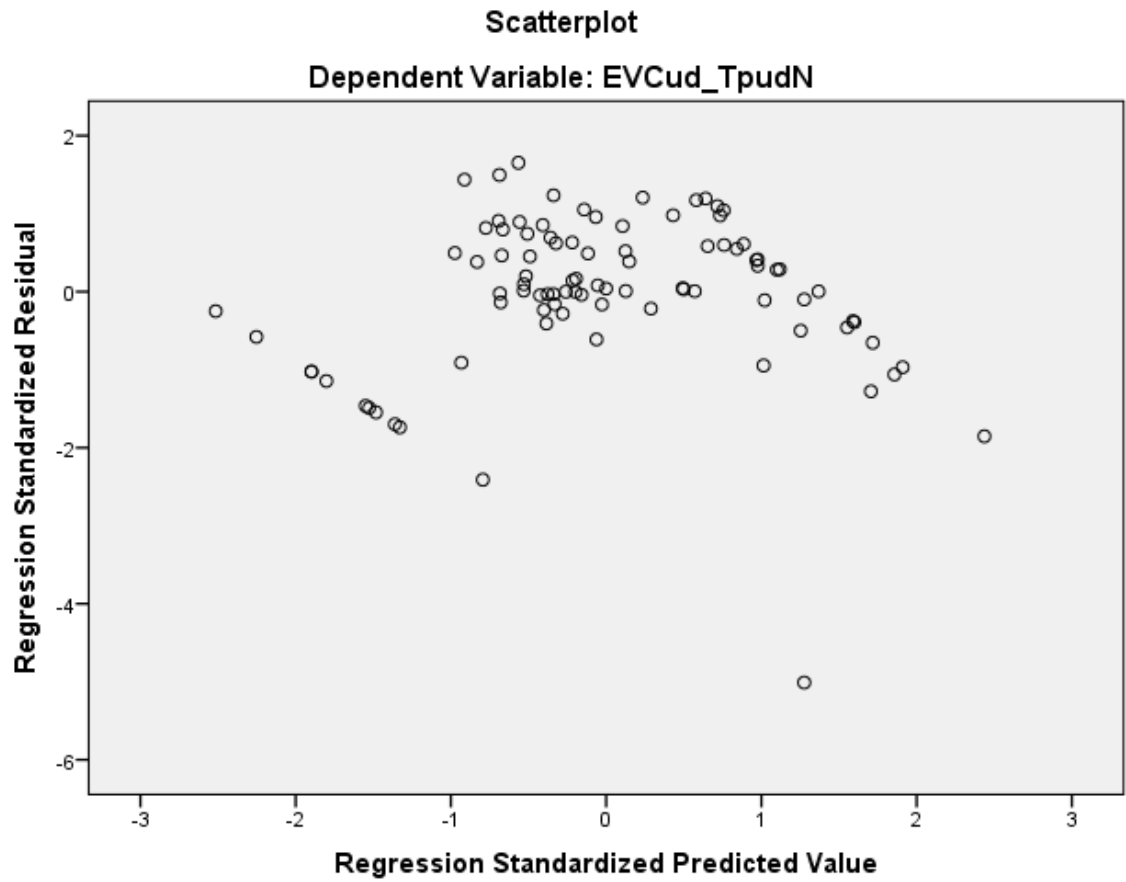
Stud. Deleted Residual	-6.048	1.683	-.014	1.067
Mahal. Distance	.375	18.248	2.967	3.278
Cook's Distance	.000	.224	.012	.027
Centered Leverage Value	.004	.203	.033	.036

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: EVCud_TpudN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT EVCud_TSpudN

/METHOD=STEPWISE GD_ud Tpaths_ud TSpaths_ud AvgPL_ud AvgGL_ud

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created		05-JUN-2015 13:37:05
Comments		
Input	Active Dataset	DataSet1
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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.

		Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax			REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT EVCud_TSpudN /METHOD=STEPWISE GD_ud Tpaths_ud TSpaths_ud AvgPL_ud AvgGL_ud /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time		00:00:00.28
	Elapsed Time		00:00:00.28
	Memory Required		6400 bytes
	Additional Memory Required for Residual Plots		0 bytes
Variables Created or Modified	COO_14		Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	AvgGL_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: EVCud_TSpudN

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.293 ^a	.086	.076	.00056388059 2108

a. Predictors: (Constant), AvgGL_ud

b. Dependent Variable: EVCud_TSpudN

ANOVA^a

Model	Sum of Squares	df	Mean Square	F	Sig.
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1	Regression	.000	1	.000	8.362	.005 ^b
	Residual	.000	89	.000		
	Total	.000	90			

a. Dependent Variable: EVCud_TSpudN

b. Predictors: (Constant), AvgGL_ud

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
1 (Constant)	.012	.000		58.967	.000
AvgGL_ud	-.049	.017	-.293	-2.892	.005

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1 (Constant)			
AvgGL_ud		1.000	1.000

a. Dependent Variable: EVCud_TSpudN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	GD_ud	.035 ^b	.146	.884	.016	.177	5.657
	Tpaths_ud	.202 ^b	.877	.383	.093	.194	5.146
	TSpaths_ud	.087 ^b	.720	.474	.076	.714	1.400
	AvgPL_ud	.084 ^b	.337	.737	.036	.169	5.934

Excluded Variables^a

Model		Collinearity Statistics	
		Minimum Tolerance	
1	GD_ud	.177	
	Tpaths_ud	.194	
	TSpaths_ud	.714	
	AvgPL_ud	.169	

a. Dependent Variable: EVCud_TSpudN

b. Predictors in the Model: (Constant), AvgGL_ud

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition	Variance Proportions
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		Index	(Constant)	AvgGL_ud
1	1	1.953	1.000	.02
	2	.047	6.460	.98

a. Dependent Variable: EVCud_TSpudN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.01025138795 3758	.01116024516 5229	.01098901098 9011	.00017187558 8335
Std. Predicted Value	-4.292	.996	.000	1.000
Standard Error of Predicted Value	.000	.000	.000	.000
Adjusted Predicted Value	.01024934742 5997	.01116158533 8414	.01098840265 8391	.00017564130 4768
Residual	- .00195608241 4836	.00225424440 5776	.00000000000 0000	.00056073917 1608
Std. Residual	-3.469	3.998	.000	.994
Stud. Residual	-3.495	4.023	.001	1.014
Deleted Residual	- .00198547355 8307	.00228235288 5231	.00000060833 0620	.00058353415 0141
Stud. Deleted Residual	-3.741	4.422	.000	1.068
Mahal. Distance	.000	18.418	.989	2.321

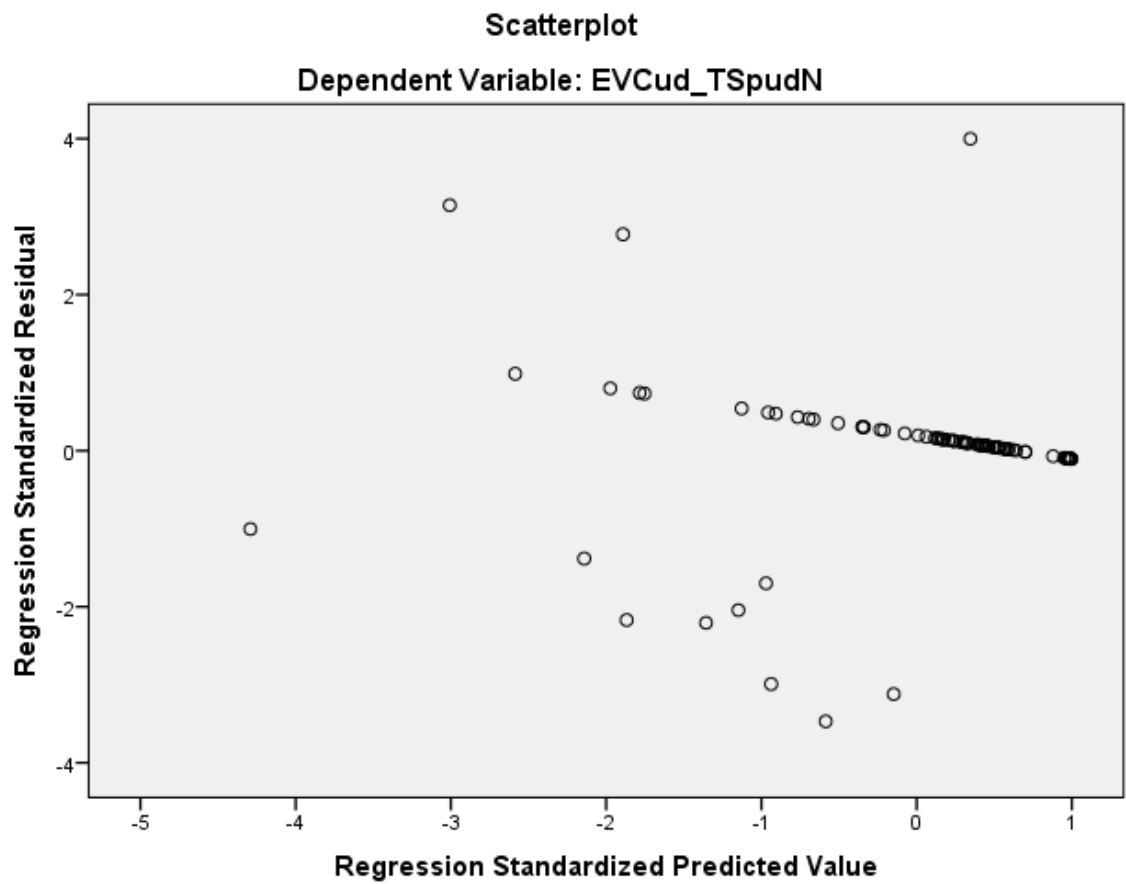
Cook's Distance	.000	.699	.021	.081
Centered Leverage Value	.000	.205	.011	.026

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: EVCud_TSpudN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT PL_TpudN

/METHOD=STEPWISE GD_ud Tpaths_ud Tspaths_ud AvgPL_ud AvgGL_ud

```
/SCATTERPLOT=(*ZRESID ,*ZPRED)
```

```
/SAVE COOK.
```

Regression

Notes

Output Created		05-JUN-2015 13:33:14
Comments		
Input	Active Dataset	DataSet1
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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION
		/MISSING LISTWISE
		/STATISTICS COEFF OUTS R
		ANOVA COLLIN TOL
		/CRITERIA=PIN(.05) POUT(.10)
		/NOORIGIN
		/DEPENDENT PL_TpudN
		/METHOD=STEPWISE GD_ud
		Tpaths_ud TSpaths_ud AvgPL_ud
		AvgGL_ud
		/SCATTERPLOT=(*ZRESID
		,*ZPRED)
		/SAVE COOK.
Resources	Processor Time	00:00:00.23
	Elapsed Time	00:00:00.24
	Memory Required	6080 bytes
	Additional Memory	
	Required for Residual	0 bytes
Variables Created or Modified	Plots	
	COO_6	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
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1	GD_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	TSpats_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: PL_TpudN

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.383 ^a	.147	.137	.00550767229 5421
2	.479 ^b	.230	.212	.00526370029 5233

a. Predictors: (Constant), GD_ud

b. Predictors: (Constant), GD_ud, TSpats_ud

c. Dependent Variable: PL_TpudN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	15.338	.000 ^b
	Residual	.003	89	.000		
	Total	.003	90			
2	Regression	.001	2	.000	13.117	.000 ^c
	Residual	.002	88	.000		
	Total	.003	90			

a. Dependent Variable: PL_TpudN

b. Predictors: (Constant), GD_ud

c. Predictors: (Constant), GD_ud, TSpats_ud

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.006	.001		4.188	.000

	GD_ud	.461	.118	.383	3.916	.000
2	(Constant)	.015	.003		4.598	.000
	GD_ud	.602	.121	.501	4.958	.000
	TSpaths_ud	-.984	.320	-.311	-3.073	.003

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	GD_ud	1.000	1.000
2	(Constant)		
	GD_ud	.856	1.168
	TSpaths_ud	.856	1.168

a. Dependent Variable: PL_TpudN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	Tpaths_ud	-.631 ^b	-2.465	.016	-.254	.138	7.226
	TSpaths_ud	-.311 ^b	-3.073	.003	-.311	.856	1.168
	AvgPL_ud	-4.930 ^b	-2.218	.029	-.230	.002	538.137

	AvgGL_ud	-.534 ^b	-2.349	.021	-.243	.177	5.657
2	Tpaths_ud	.804 ^c	1.099	.275	.117	.016	61.269
	AvgPL_ud	-3.564 ^c	-1.611	.111	-.170	.002	569.344
	AvgGL_ud	-.262 ^c	-1.027	.307	-.109	.135	7.433

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	Tpaths_ud	.138
	TSpaths_ud	.856
	AvgPL_ud	.002
	AvgGL_ud	.177
2	Tpaths_ud	.016
	AvgPL_ud	.002
	AvgGL_ud	.135

a. Dependent Variable: PL_TpudN

b. Predictors in the Model: (Constant), GD_ud

c. Predictors in the Model: (Constant), GD_ud, TSpaths_ud

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition	Variance Proportions
-------	-----------	------------	-----------	----------------------

			Index	(Constant)	GD_ud	TSpaths_ud
1	1	1.913	1.000	.04	.04	
	2	.087	4.690	.96	.96	
2	1	2.884	1.000	.00	.02	.00
	2	.103	5.294	.06	.93	.03
	3	.013	14.665	.94	.05	.97

a. Dependent Variable: PL_TpudN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00094894284 8481	.01765521429 4791	.01098901098 9011	.00284187063 9292
Std. Predicted Value	-3.533	2.346	.000	1.000
Standard Error of Predicted Value	.001	.002	.001	.000
Adjusted Predicted Value	.00120649801 1015	.01844731159 5082	.01102755638 8226	.00283543283 9064
Residual	- .01282605249 4347	.01978988386 6906	.00000000000 0000	.00520488615 5471
Std. Residual	-2.437	3.760	.000	.989
Stud. Residual	-2.457	3.793	-.004	1.006

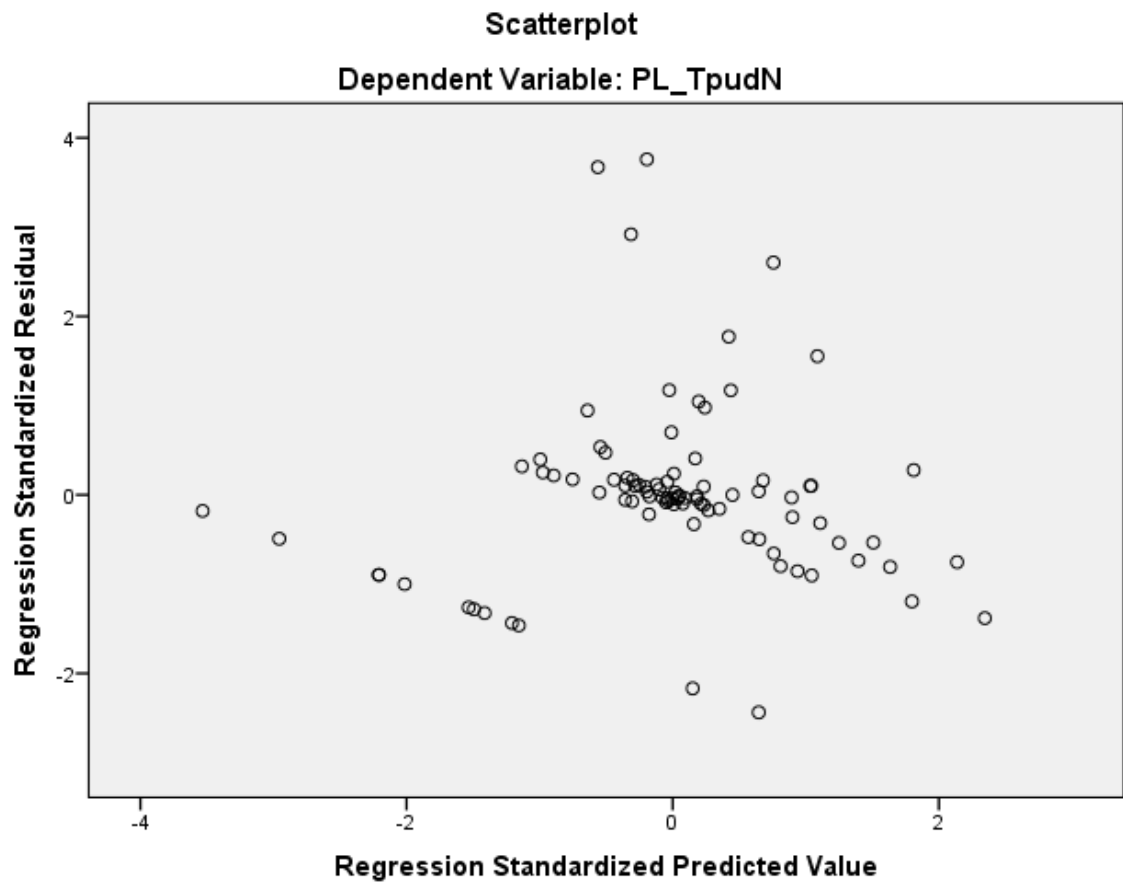
Deleted Residual	- .01304396614 4323	.02014000527 5607	- .00003854539 9215	.00538668176 4908
Stud. Deleted Residual	-2.532	4.123	.005	1.045
Mahal. Distance	.036	18.224	1.978	2.988
Cook's Distance	.000	.232	.012	.029
Centered Leverage Value	.000	.202	.022	.033

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: PL_TpudN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT PL_TSpudN

/METHOD=STEPWISE GD_ud Tpaths_ud TSpaths_ud AvgPL_ud AvgGL_ud

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created	05-JUN-2015 13:33:37	
Comments		
Input	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91

Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		<p>REGRESSION</p> <p>/MISSING LISTWISE</p> <p>/STATISTICS COEFF OUTS R ANOVA COLLIN TOL</p> <p>/CRITERIA=PIN(.05) POUT(.10)</p> <p>/NOORIGIN</p> <p>/DEPENDENT PL_TSpudN</p> <p>/METHOD=STEPWISE GD_ud Tpaths_ud TSpaths_ud AvgPL_ud AvgGL_ud</p> <p>/SCATTERPLOT=(*ZRESID ,*ZPRED)</p> <p>/SAVE COOK.</p>
Resources	Processor Time	00:00:00.23
	Elapsed Time	00:00:00.22
	Memory Required	6112 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_7	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	Tpaths_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: PL_TSpudN

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.465 ^a	.216	.207	.02042238532 6384

a. Predictors: (Constant), Tpaths_ud

b. Dependent Variable: PL_TSpudN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.010	1	.010	24.552	.000 ^b
	Residual	.037	89	.000		
	Total	.047	90			

a. Dependent Variable: PL_TSpudN

b. Predictors: (Constant), Tpaths_ud

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-.019	.006		-2.953	.004
	Tpaths_ud	2.721	.549	.465	4.955	.000

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	Tpaths_ud	1.000	1.000

a. Dependent Variable: PL_TSpudN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	GD_ud	-.043 ^b	-.171	.864	-.018	.138	7.226
	TSpaths_ud	-.038 ^b	-.299	.766	-.032	.544	1.840
	AvgPL_ud	-.064 ^b	-.244	.808	-.026	.130	7.713
	AvgGL_ud	-.123 ^b	-.573	.568	-.061	.194	5.146

Excluded Variables^a

Model		Collinearity Statistics	
		Minimum Tolerance	
1	GD_ud	.138	
	TSpaths_ud	.544	
	AvgPL_ud	.130	
	AvgGL_ud	.194	

a. Dependent Variable: PL_TSpudN

b. Predictors in the Model: (Constant), Tpaths_ud

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions	
				(Constant)	Tpaths_ud
1	1	1.942	1.000	.03	.03
	2	.058	5.809	.97	.97

a. Dependent Variable: PL_TSpudN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	- .00189637881 7037	.04890989884 7342	.01098901098 9011	.01066658810 9368
Std. Predicted Value	-1.208	3.555	.000	1.000
Standard Error of Predicted Value	.002	.008	.003	.001
Adjusted Predicted Value	- .00194940948 8589	.04517415165 9012	.01092924610 8334	.01050478668 3789
Residual	- .03399761766 1953	.06667822599 4110	.00000000000 0000	.02030861070 6714
Std. Residual	-1.665	3.265	.000	.994
Stud. Residual	-1.719	3.295	.001	1.008

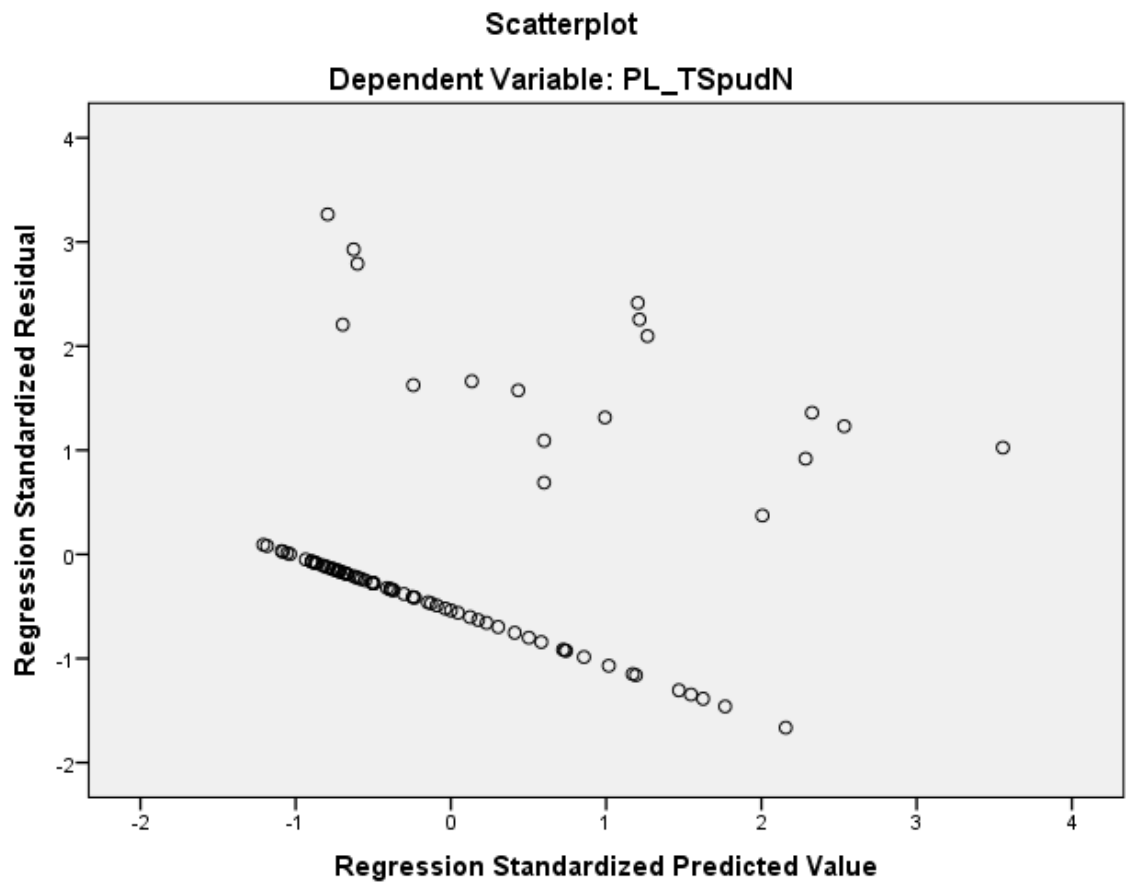
Deleted Residual	- .03627142310 1425	.06789971888 0653	.00005976488 0677	.02086589460 3171
Stud. Deleted Residual	-1.739	3.496	.010	1.031
Mahal. Distance	.000	12.639	.989	1.728
Cook's Distance	.000	.110	.014	.026
Centered Leverage Value	.000	.140	.011	.019

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: PL_TSpudN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT S_ud

/METHOD=STEPWISE GD_ud Tpaths_ud TSpaths_ud AvgPL_ud AvgGL_ud

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created	05-JUN-2015 13:34:10	
Comments		
Input	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91

Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		<p>REGRESSION</p> <p>/MISSING LISTWISE</p> <p>/STATISTICS COEFF OUTS R ANOVA COLLIN TOL</p> <p>/CRITERIA=PIN(.05) POUT(.10)</p> <p>/NOORIGIN</p> <p>/DEPENDENT S_ud</p> <p>/METHOD=STEPWISE GD_ud Tpaths_ud TSpats_ud AvgPL_ud AvgGL_ud</p> <p>/SCATTERPLOT=(*ZRESID ,*ZPRED)</p> <p>/SAVE COOK.</p>
Resources	Processor Time	00:00:00.20
	Elapsed Time	00:00:00.22
	Memory Required	6160 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_8	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	TSpaths_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	AvgGL_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: S_ud

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.610 ^a	.372	.365	.005014676830812
2	.754 ^b	.569	.559	.004179653241833

a. Predictors: (Constant), TSpaths_ud

b. Predictors: (Constant), TSpaths_ud, AvgGL_ud

c. Dependent Variable: S_ud

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.001	1	.001	52.703	.000 ^b
	Residual	.002	89	.000		
	Total	.004	90			
2	Regression	.002	2	.001	57.989	.000 ^c
	Residual	.002	88	.000		
	Total	.004	90			

a. Dependent Variable: S_ud

b. Predictors: (Constant), TSpaths_ud

c. Predictors: (Constant), TSpaths_ud, AvgGL_ud

Coefficients^a

Model			Standardized Coefficients	t	Sig.
	Unstandardized Coefficients				

		B	Std. Error	Beta		
1	(Constant)	.034	.003		10.651	.000
	TSpaths_ud	-2.049	.282	-.610	-7.260	.000
2	(Constant)	.034	.003		12.780	.000
	TSpaths_ud	-2.991	.278	-.890	-10.747	.000
	AvgGL_ud	.942	.149	.525	6.334	.000

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	TSpaths_ud	1.000	1.000
2	(Constant)		
	TSpaths_ud	.714	1.400
	AvgGL_ud	.714	1.400

a. Dependent Variable: S_ud

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	GD_ud	.409 ^b	5.101	.000	.478	.856	1.168

	Tpaths_ud	.444 ^b	4.260	.000	.414	.544	1.840
	AvgPL_ud	.414 ^b	5.152	.000	.481	.849	1.178
	AvgGL_ud	.525 ^b	6.334	.000	.560	.714	1.400
2	GD_ud	-.120 ^c	-.686	.495	-.073	.161	6.203
	Tpaths_ud	-.283 ^c	-1.530	.130	-.162	.141	7.108
	AvgPL_ud	-.116 ^c	-.649	.518	-.069	.155	6.459

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	GD_ud	.856
	Tpaths_ud	.544
	AvgPL_ud	.849
	AvgGL_ud	.714
2	GD_ud	.135
	Tpaths_ud	.141
	AvgPL_ud	.130

a. Dependent Variable: S_ud

b. Predictors in the Model: (Constant), TSpats_ud

c. Predictors in the Model: (Constant), TSpats_ud, AvgGL_ud

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	TSpaths_ud	AvgGL_ud
1	1	1.986	1.000	.01	.01	
	2	.014	11.882	.99	.99	
2	1	2.937	1.000	.00	.00	.01
	2	.050	7.641	.17	.02	.83
	3	.012	15.426	.83	.97	.16

a. Dependent Variable: S_ud

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	- .01019190531 2240	.02014873549 3422	.01098901098 9011	.00474468666 6652
Std. Predicted Value	-4.464	1.931	.000	1.000
Standard Error of Predicted Value	.000	.002	.001	.000
Adjusted Predicted Value	- .01345210801 8100	.02172426134 3479	.01094917652 8654	.00499001623 1823
Residual	- .00538693973 7946	.01547445822 5071	.00000000000 0000	.00413295173 9822

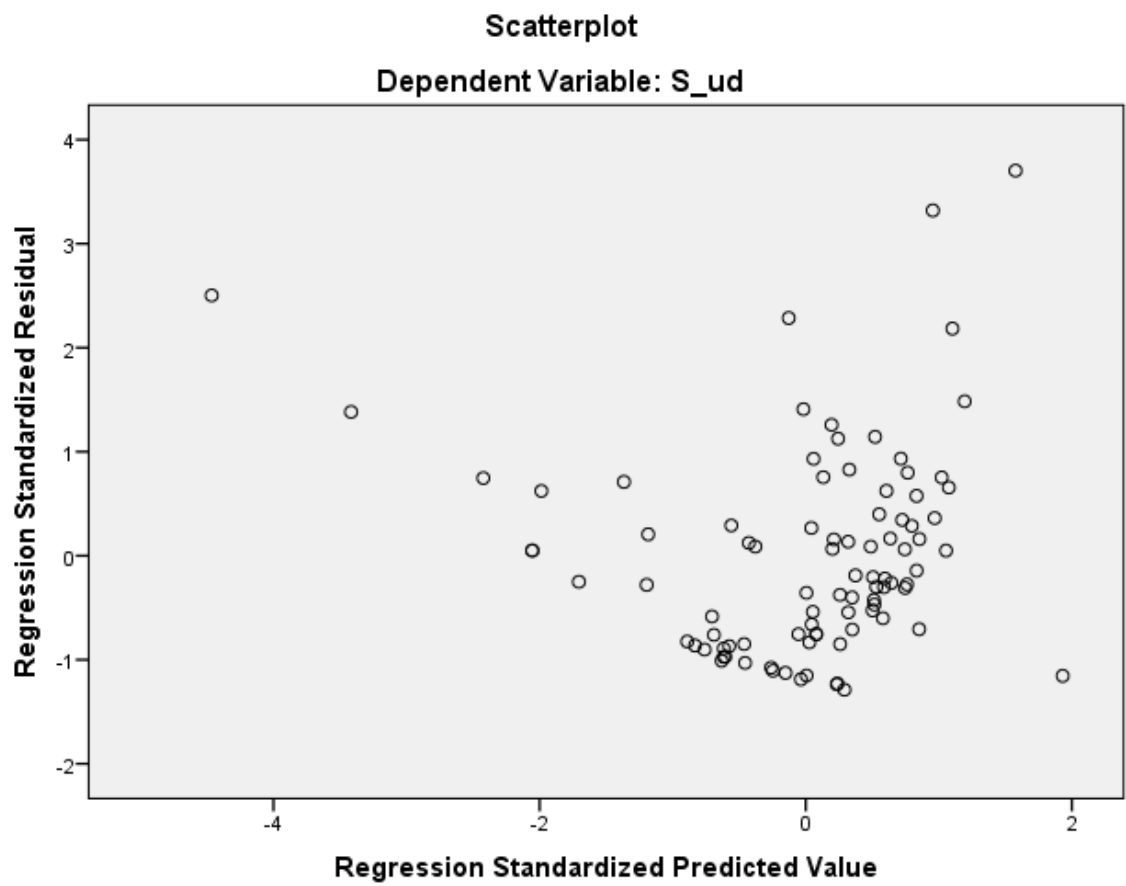
Std. Residual	-1.289	3.702	.000	.989
Stud. Residual	-1.330	3.782	.005	1.016
Deleted Residual	-	.01614702120	.00003983446	.00437672121
	.00640154676	4233	0357	0389
	5119			
Stud. Deleted Residual	-1.336	4.109	.013	1.045
Mahal. Distance	.004	21.161	1.978	3.736
Cook's Distance	.000	.853	.021	.094
Centered Leverage Value	.000	.235	.022	.042

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: S_ud

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT R_ud

/METHOD=STEPWISE GD_ud Tpaths_ud TSpats_ud AvgPL_ud AvgGL_ud

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created		05-JUN-2015 13:34:35
Comments		
Input	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>

	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT R_ud /METHOD=STEPWISE GD_ud Tpaths_ud TSpaths_ud AvgPL_ud AvgGL_ud /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.23
	Elapsed Time	00:00:00.23
	Memory Required	6192 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_9	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	GD_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	TSpaths_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: R_ud

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.631 ^a	.398	.391	.001122998808390

2	.712 ^b	.507	.496	.00102127165 4498
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- a. Predictors: (Constant), GD_ud
- b. Predictors: (Constant), GD_ud, TSpats_ud
- c. Dependent Variable: R_ud

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	58.771	.000 ^b
	Residual	.000	89	.000		
	Total	.000	90			
2	Regression	.000	2	.000	45.338	.000 ^c
	Residual	.000	88	.000		
	Total	.000	90			

- a. Dependent Variable: R_ud
- b. Predictors: (Constant), GD_ud
- c. Predictors: (Constant), GD_ud, TSpats_ud

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.009	.000		31.076	.000
	GD_ud	.184	.024	.631	7.666	.000
2	(Constant)	.012	.001		18.042	.000
	GD_ud	.223	.024	.767	9.480	.000
	TSpaths_ud	-.275	.062	-.358	-4.429	.000

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	GD_ud	1.000	1.000
2	(Constant)		
	GD_ud	.856	1.168
	TSpaths_ud	.856	1.168

a. Dependent Variable: R_ud

Excluded Variables^a

Model	Beta In	t	Sig.	Partial	Collinearity Statistics
-------	---------	---	------	---------	-------------------------

					Correlation	Tolerance	VIF
1	Tpaths_ud	-.844 ^b	-4.153	.000	-.405	.138	7.226
	TSpaths_ud	-.358 ^b	-4.429	.000	-.427	.856	1.168
	AvgPL_ud	-.744 ^b	-.388	.699	-.041	.002	538.137
	AvgGL_ud	-.098 ^b	-.501	.618	-.053	.177	5.657
2	Tpaths_ud	-.068 ^c	-.116	.908	-.012	.016	61.269
	AvgPL_ud	1.117 ^c	.623	.535	.067	.002	569.344
	AvgGL_ud	.377 ^c	1.874	.064	.197	.135	7.433

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	Tpaths_ud	.138
	TSpaths_ud	.856
	AvgPL_ud	.002
	AvgGL_ud	.177
2	Tpaths_ud	.016
	AvgPL_ud	.002
	AvgGL_ud	.135

a. Dependent Variable: R_ud

b. Predictors in the Model: (Constant), GD_ud

c. Predictors in the Model: (Constant), GD_ud, TSpaths_ud

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	GD_ud	TSpaths_ud
1	1	1.913	1.000	.04	.04	
	2	.087	4.690	.96	.96	
2	1	2.884	1.000	.00	.02	.00
	2	.103	5.294	.06	.93	.03
	3	.013	14.665	.94	.05	.97

a. Dependent Variable: R_ud

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00780402636 1555	.01361285150 0511	.01098901098 9011	.00102509568 4670
Std. Predicted Value	-3.107	2.560	.000	1.000
Standard Error of Predicted Value	.000	.000	.000	.000
Adjusted Predicted Value	.00770185049 6233	.01388938724 9947	.01099081007 1558	.00103307449 3489

Residual	- .00253834179 6026	.00207495596 2598	.00000000000 0000	.00100986043 9867
Std. Residual	-2.485	2.032	.000	.989
Stud. Residual	-2.617	2.046	-.001	1.007
Deleted Residual	- .00281487754 5461	.00210466561 8390	- .00000179908 2547	.00104867590 1010
Stud. Deleted Residual	-2.710	2.085	-.003	1.016
Mahal. Distance	.036	18.224	1.978	2.988
Cook's Distance	.000	.249	.013	.030
Centered Leverage Value	.000	.202	.022	.033

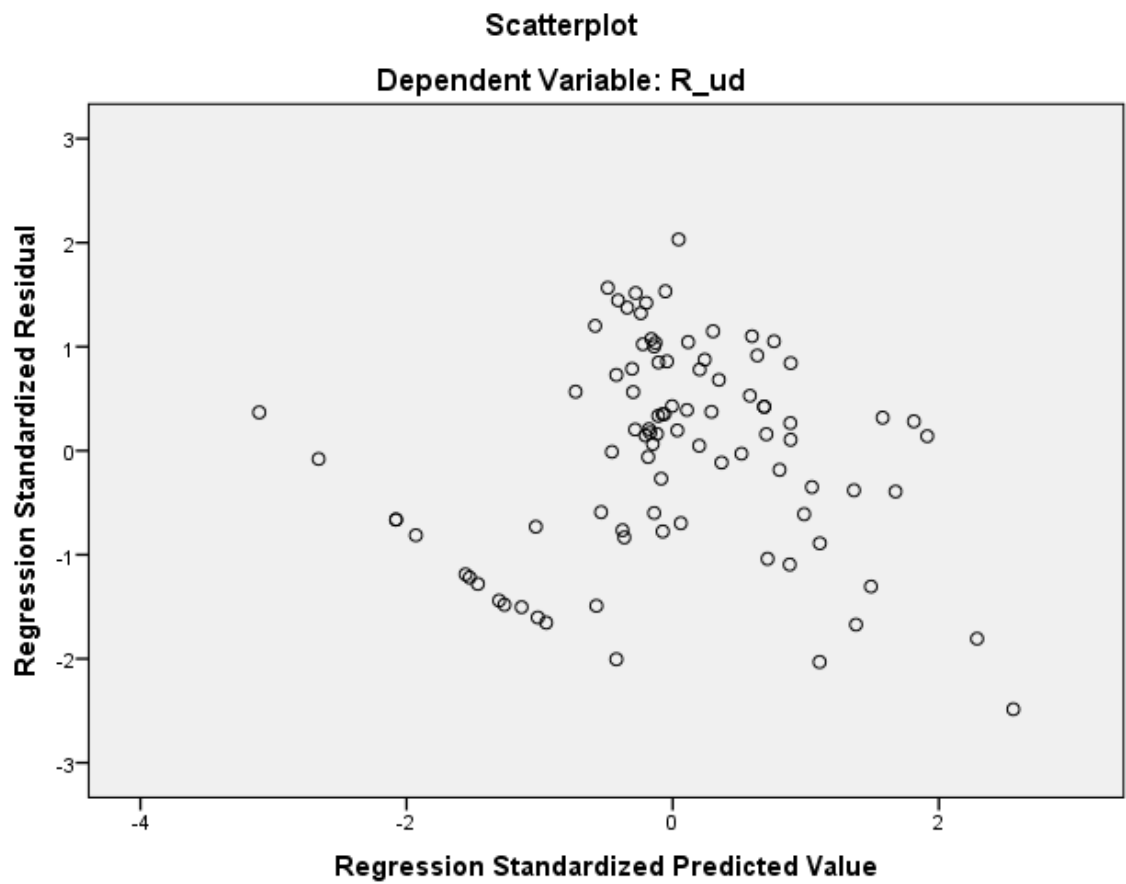
Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91

Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: R_ud

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT SMSP_ud

/METHOD=STEPWISE GD_ud Tpaths_ud TSpaths_ud AvgPL_ud AvgGL_ud

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created	05-JUN-2015 13:34:59
Comments	
Input	Active Dataset
	DataSet1

	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
	Missing Value Handling	Definition of Missing User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
	Syntax	REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT SMSP_ud /METHOD=STEPWISE GD_ud Tpaths_ud TSpats_ud AvgPL_ud AvgGL_ud /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.03
	Memory Required	6240 bytes

	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_10	Cook's Distance

Warnings

No variables were entered into the equation.

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/SHEET=name 'Sheet1'

/CELLRANGE=full

/READNAMES=on

/ASSUMEDSTRWIDTH=32767.

EXECUTE.

DATASET NAME DataSet1 WINDOW=FRONT.

REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT GD_ud

/METHOD=STEPWISE PL_TpudN PL_TSpudN S_ud R_ud SMSP_ud

```
/SCATTERPLOT=(*ZRESID ,*ZPRED)
```

```
/SAVE COOK.
```

Regression

Notes

Output Created		05-JUN-2015 13:28:13
Comments		
Input	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION
		/MISSING LISTWISE
		/STATISTICS COEFF OUTS R
		ANOVA COLLIN TOL
		/CRITERIA=PIN(.05) POUT(.10)
		/NOORIGIN
		/DEPENDENT GD_ud
		/METHOD=STEPWISE PL_TpudN
		PL_TSpudN S_ud R_ud SMSP_ud
		/SCATTERPLOT=(*ZRESID
		,*ZPRED)
		/SAVE COOK.
Resources	Processor Time	00:00:00.50
	Elapsed Time	00:00:00.71
	Memory Required	5872 bytes
	Additional Memory	
	Required for Residual	0 bytes
Plots		
Variables Created or Modified	COO_1	
		Cook's Distance

[DataSet1]

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	R_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	S_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: GD_ud

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.631 ^a	.398	.391	.00385247524 6009
2	.699 ^b	.489	.477	.00356827573 4549

a. Predictors: (Constant), R_ud

b. Predictors: (Constant), R_ud, S_ud

c. Dependent Variable: GD_ud

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.001	1	.001	58.771	.000 ^b
	Residual	.001	89	.000		
	Total	.002	90			
2	Regression	.001	2	.001	42.123	.000 ^c
	Residual	.001	88	.000		
	Total	.002	90			

a. Dependent Variable: GD_ud

b. Predictors: (Constant), R_ud

c. Predictors: (Constant), R_ud, S_ud

Coefficients^a

Model	Unstandardized Coefficients	Standardized Coefficients	t	Sig.
-------	-----------------------------	---------------------------	---	------

		B	Std. Error	Beta		
1	(Constant)	-.013	.003		-4.088	.000
	R_ud	2.163	.282	.631	7.666	.000
2	(Constant)	-.018	.003		-5.616	.000
	R_ud	2.900	.321	.845	9.045	.000
	S_ud	-.291	.073	-.371	-3.968	.000

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	R_ud	1.000	1.000
2	(Constant)		
	R_ud	.665	1.505
	S_ud	.665	1.505

a. Dependent Variable: GD_ud

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpudN	.068 ^b	.700	.486	.074	.719	1.391

	PL_TSpudN	.217 ^b	2.513	.014	.259	.855	1.169
	S_ud	-.371 ^b	-3.968	.000	-.390	.665	1.505
	SMSP_ud	-.013 ^b	-.150	.881	-.016	.909	1.100
2	PL_TpudN	.113 ^c	1.247	.216	.133	.708	1.412
	PL_TSpudN	.134 ^c	1.576	.119	.167	.785	1.274
	SMSP_ud	.028 ^c	.352	.726	.038	.894	1.118

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	PL_TpudN	.719
	PL_TSpudN	.855
	S_ud	.665
	SMSP_ud	.909
2	PL_TpudN	.555
	PL_TSpudN	.522
	SMSP_ud	.643

a. Dependent Variable: GD_ud

b. Predictors in the Model: (Constant), R_ud

c. Predictors in the Model: (Constant), R_ud, S_ud

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	R_ud	S_ud
1	1	1.992	1.000	.00	.00	
	2	.008	15.423	1.00	1.00	
2	1	2.841	1.000	.00	.00	.02
	2	.153	4.306	.02	.01	.72
	3	.006	21.343	.98	.99	.27

a. Dependent Variable: GD_ud

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00442346371 7103	.01880462467 6704	.01098901098 9011	.00345234321 1294
Std. Predicted Value	-1.902	2.264	.000	1.000
Standard Error of Predicted Value	.000	.002	.001	.000
Adjusted Predicted Value	.00444025406 6139	.01836096309 1254	.01098227424 8470	.00344076380 2160
Residual	- .00553084863 3498	.01481719315 0520	.00000000000 0000	.00352840548 0547
Std. Residual	-1.550	4.152	.000	.989

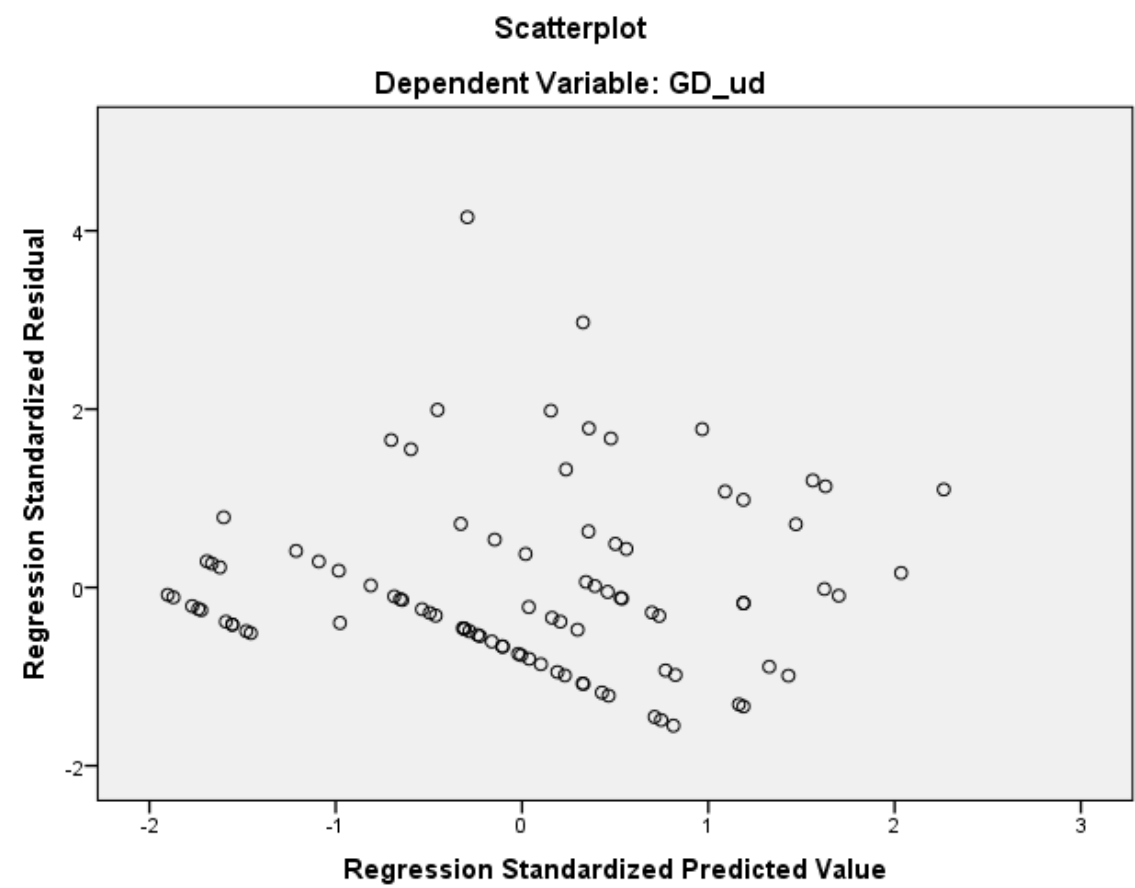
Stud. Residual	-1.564	4.191	.001	1.000
Deleted Residual	-	.01509165484	.00000673674	.00361058524
	.00563445361	4582	0541	2181
	3311			
Stud. Deleted Residual	-1.578	4.657	.009	1.032
Mahal. Distance	.015	16.316	1.978	2.384
Cook's Distance	.000	.108	.008	.014
Centered Leverage Value	.000	.181	.022	.026

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: GD_ud

Charts



REGRESSION

```

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT Tpaths_ud

/METHOD=STEPWISE PL_TpudN PL_TSpudN S_ud R_ud SMSP_ud

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

```

Regression

Notes

Output Created		05-JUN-2015 13:28:46
Comments		
Input	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>

	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT Tpaths_ud /METHOD=STEPWISE PL_TpudN PL_TSpudN S_ud R_ud SMSP_ud /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.28
	Elapsed Time	00:00:00.26
	Memory Required	5920 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_2	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	R_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	S_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
3	PL_TSpudN		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: Tpaths_ud

Model Summary^d

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.469 ^a	.220	.211	.00348312762 9830
2	.716 ^b	.513	.502	.00276668601 6377
3	.734 ^c	.539	.523	.00270714430 7711

a. Predictors: (Constant), R_ud

b. Predictors: (Constant), R_ud, S_ud

c. Predictors: (Constant), R_ud, S_ud, PL_TSpudN

d. Dependent Variable: Tpaths_ud

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	25.030	.000 ^b
	Residual	.001	89	.000		
	Total	.001	90			
2	Regression	.001	2	.000	46.367	.000 ^c
	Residual	.001	88	.000		
	Total	.001	90			

3	Regression	.001	3	.000	33.924	.000 ^d
	Residual	.001	87	.000		
	Total	.001	90			

a. Dependent Variable: Tpaths_ud

b. Predictors: (Constant), R_ud

c. Predictors: (Constant), R_ud, S_ud

d. Predictors: (Constant), R_ud, S_ud, PL_TSpudN

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-.003	.003		-1.075	.285
	R_ud	1.277	.255	.469	5.003	.000
2	(Constant)	-.010	.002		-4.101	.000
	R_ud	2.325	.249	.853	9.354	.000
	S_ud	-.414	.057	-.665	-7.284	.000
3	(Constant)	-.008	.003		-2.930	.004
	R_ud	2.043	.275	.750	7.441	.000
	S_ud	-.377	.058	-.605	-6.495	.000
	PL_TSpudN	.031	.014	.182	2.217	.029

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	R_ud	1.000	1.000
2	(Constant)		
	R_ud	.665	1.505
	S_ud	.665	1.505
3	(Constant)		
	R_ud	.522	1.917
	S_ud	.610	1.640
	PL_TSpudN	.785	1.274

a. Dependent Variable: Tpaths_ud

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpudN	.028 ^b	.252	.802	.027	.719	1.391
	PL_TSpudN	.335 ^b	3.516	.001	.351	.855	1.169
	S_ud	-.665 ^b	-7.284	.000	-.613	.665	1.505

	SMSP_ud	.021 ^b	.212	.833	.023	.909	1.100
2	PL_TpudN	.106 ^c	1.205	.231	.128	.708	1.412
	PL_TSpudN	.182 ^c	2.217	.029	.231	.785	1.274
	SMSP_ud	.096 ^c	1.223	.224	.130	.894	1.118
3	PL_TpudN	.127 ^d	1.467	.146	.156	.701	1.426
	SMSP_ud	.089 ^d	1.152	.253	.123	.892	1.121

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	PL_TpudN	.719
	PL_TSpudN	.855
	S_ud	.665
	SMSP_ud	.909
2	PL_TpudN	.555
	PL_TSpudN	.522
	SMSP_ud	.643
3	PL_TpudN	.436
	SMSP_ud	.511

a. Dependent Variable: Tpaths_ud

b. Predictors in the Model: (Constant), R_ud

c. Predictors in the Model: (Constant), R_ud, S_ud

d. Predictors in the Model: (Constant), R_ud, S_ud, PL_TSpudN

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	R_ud	S_ud
1	1	1.992	1.000	.00	.00	
	2	.008	15.423	1.00	1.00	
2	1	2.841	1.000	.00	.00	.02
	2	.153	4.306	.02	.01	.72
	3	.006	21.343	.98	.99	.27
3	1	3.104	1.000	.00	.00	.01
	2	.741	2.047	.00	.00	.01
	3	.150	4.546	.02	.01	.65
	4	.005	24.902	.98	.99	.33

Collinearity Diagnostics^a

Model	Dimension	Variance Proportions
		PL_TSpudN
1	1	
	2	
2	1	
	2	

	3	
3	1	.02
	2	.76
	3	.02
	4	.20

a. Dependent Variable: Tpaths_ud

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00404140725 7318	.01976921781 8975	.01098901098 9011	.00287874647 8587
Std. Predicted Value	-2.413	3.050	.000	1.000
Standard Error of Predicted Value	.000	.001	.001	.000
Adjusted Predicted Value	.00339107820 7642	.01900313235 8193	.01097795919 9478	.00287411882 6060
Residual	- .00530862715 0953	.01025910023 5999	.00000000000 0000	.00266164284 3436
Std. Residual	-1.961	3.790	.000	.983
Stud. Residual	-2.031	3.827	.002	1.005
Deleted Residual	- .00569568201 8995	.01046168990 4332	.00001105178 9533	.00278464044 0463

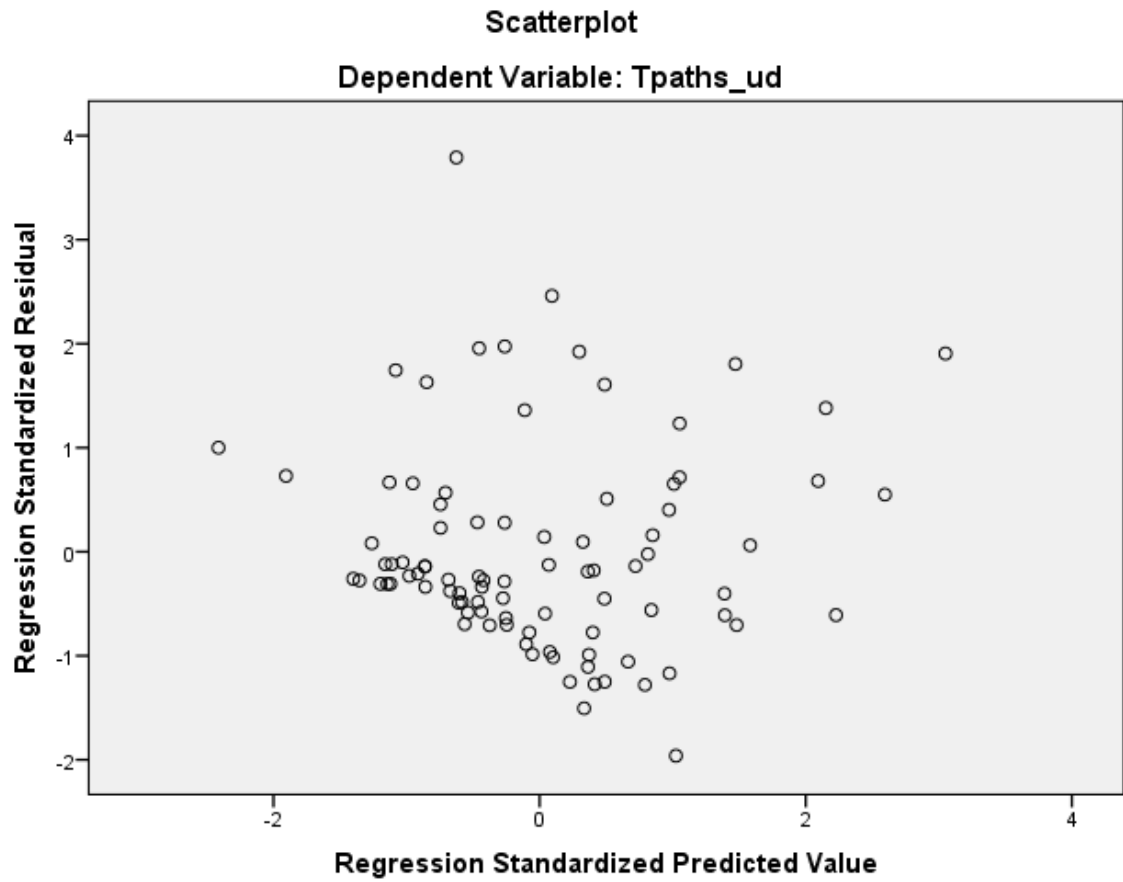
Stud. Deleted Residual	-2.069	4.172	.009	1.028
Mahal. Distance	.253	16.440	2.967	2.864
Cook's Distance	.000	.155	.012	.023
Centered Leverage Value	.003	.183	.033	.032

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: Tpaths_ud

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT TSpats_ud

/METHOD=STEPWISE PL_TpudN PL_TSpudN S_ud R_ud SMSP_ud

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.

		Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax			REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT TSpaths_ud /METHOD=STEPWISE PL_TpudN PL_TSpudN S_ud R_ud SMSP_ud /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time		00:00:00.25
	Elapsed Time		00:00:00.23
	Memory Required		5952 bytes
	Additional Memory Required for Residual Plots		0 bytes
Variables Created or Modified	COO_3		Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	S_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	R_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
3	PL_TSpudN		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: TSpaths_ud

Model Summary^d

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.610 ^a	.372	.365	.001492836016843
2	.704 ^b	.495	.484	.001346123991747
3	.719 ^c	.518	.501	.001323310292781

a. Predictors: (Constant), S_ud

b. Predictors: (Constant), S_ud, R_ud

c. Predictors: (Constant), S_ud, R_ud, PL_TSpudN

d. Dependent Variable: TSpaths_ud

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	52.703	.000 ^b
	Residual	.000	89	.000		
	Total	.000	90			
2	Regression	.000	2	.000	43.137	.000 ^c
	Residual	.000	88	.000		
	Total	.000	90			
3	Regression	.000	3	.000	31.112	.000 ^d

Residual	.000	87	.000		
Total	.000	90			

a. Dependent Variable: TSpaths_ud

b. Predictors: (Constant), S_ud

c. Predictors: (Constant), S_ud, R_ud

d. Predictors: (Constant), S_ud, R_ud, PL_TSpudN

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.013	.000		41.057	.000
	S_ud	-.182	.025	-.610	-7.260	.000
2	(Constant)	.008	.001		6.433	.000
	S_ud	-.256	.028	-.859	-9.246	.000
	R_ud	.560	.121	.430	4.632	.000
3	(Constant)	.009	.001		6.799	.000
	S_ud	-.239	.028	-.804	-8.431	.000
	R_ud	.435	.134	.334	3.240	.002
	PL_TSpudN	.014	.007	.169	2.015	.047

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	S_ud	1.000	1.000
2	(Constant)		
	S_ud	.665	1.505
	R_ud	.665	1.505
3	(Constant)		
	S_ud	.610	1.640
	R_ud	.522	1.917
	PL_TSpudN	.785	1.274

a. Dependent Variable: TSpaths_ud

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpudN	.139 ^b	1.530	.130	.161	.848	1.180
	PL_TSpudN	.296 ^b	3.772	.000	.373	1.000	1.000
	R_ud	.430 ^b	4.632	.000	.443	.665	1.505

	SMSP_ud	.189 ^b	2.210	.030	.229	.924	1.082
2	PL_TpudN	-.019 ^c	-.211	.833	-.023	.708	1.412
	PL_TSpudN	.169 ^c	2.015	.047	.211	.785	1.274
	SMSP_ud	.127 ^c	1.600	.113	.169	.894	1.118
3	PL_TpudN	-.001 ^d	-.014	.989	-.002	.701	1.426
	SMSP_ud	.120 ^d	1.537	.128	.164	.892	1.121

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	PL_TpudN	.848
	PL_TSpudN	1.000
	R_ud	.665
	SMSP_ud	.924
2	PL_TpudN	.555
	PL_TSpudN	.522
	SMSP_ud	.643
3	PL_TpudN	.436
	SMSP_ud	.511

a. Dependent Variable: TSpats_ud

b. Predictors in the Model: (Constant), S_ud

c. Predictors in the Model: (Constant), S_ud, R_ud

d. Predictors in the Model: (Constant), S_ud, R_ud, PL_TSpudN

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	S_ud	R_ud
1	1	1.869	1.000	.07	.07	
	2	.131	3.777	.93	.93	
2	1	2.841	1.000	.00	.02	.00
	2	.153	4.306	.02	.72	.01
	3	.006	21.343	.98	.27	.99
3	1	3.104	1.000	.00	.01	.00
	2	.741	2.047	.00	.01	.00
	3	.150	4.546	.02	.65	.01
	4	.005	24.902	.98	.33	.99

Collinearity Diagnostics^a

Model Dimension		Variance Proportions
		PL_TSpudN
1	1	
	2	
2	1	
	2	

	3	
3	1	.02
	2	.76
	3	.02
	4	.20

a. Dependent Variable: TSpaths_ud

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00578045379 3705	.01461414247 7512	.01098901098 9011	.00134760398 4571
Std. Predicted Value	-3.865	2.690	.000	1.000
Standard Error of Predicted Value	.000	.001	.000	.000
Adjusted Predicted Value	.00524199381 4707	.01415770500 8984	.01097245231 4001	.00136535224 5938
Residual	- .00171796639 9156	.00481505598 8729	.00000000000 0000	.00130106819 9576
Std. Residual	-1.298	3.639	.000	.983
Stud. Residual	-1.334	3.751	.006	1.016
Deleted Residual	- .00181439344 3055	.00511640543 1181	.00001655867 5010	.00138979963 4376

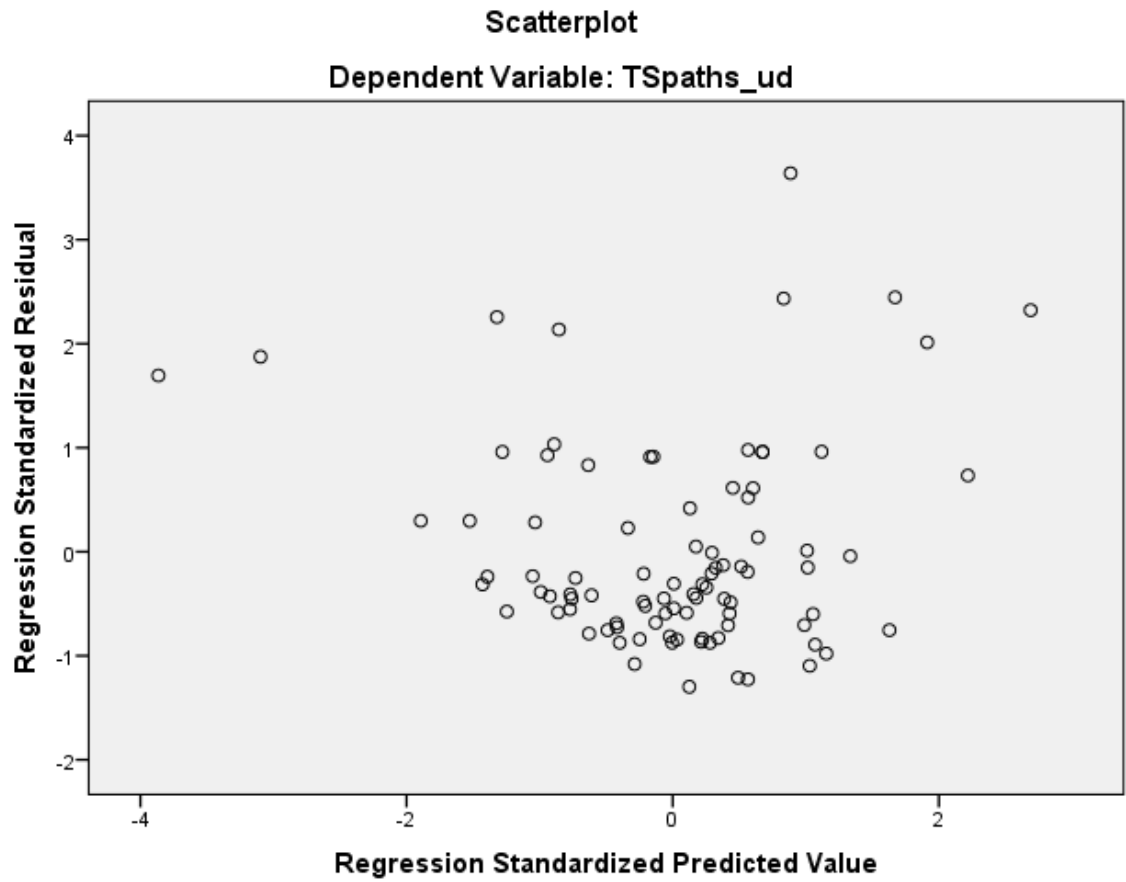
Stud. Deleted Residual	-1.340	4.073	.015	1.040
Mahal. Distance	.253	16.440	2.967	2.864
Cook's Distance	.000	.230	.018	.045
Centered Leverage Value	.003	.183	.033	.032

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: TSpaths_ud

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT AvgPL_ud

/METHOD=STEPWISE PL_TpudN PL_TSpudN S_ud R_ud SMSP_ud

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.

		Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax			REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT AvgPL_ud /METHOD=STEPWISE PL_TpudN PL_TSpudN S_ud R_ud SMSP_ud /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time		00:00:00.27
	Elapsed Time		00:00:00.22
	Memory Required		6000 bytes
	Additional Memory Required for Residual Plots		0 bytes
Variables Created or Modified	COO_4		Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	R_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	S_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: AvgPL_ud

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.629 ^a	.395	.388	.00389838736 9702
2	.699 ^b	.489	.477	.00360405514 4404

a. Predictors: (Constant), R_ud

b. Predictors: (Constant), R_ud, S_ud

c. Dependent Variable: AvgPL_ud

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.001	1	.001	58.165	.000 ^b
	Residual	.001	89	.000		
	Total	.002	90			
2	Regression	.001	2	.001	42.092	.000 ^c
	Residual	.001	88	.000		
	Total	.002	90			

a. Dependent Variable: AvgPL_ud

b. Predictors: (Constant), R_ud

c. Predictors: (Constant), R_ud, S_ud

Coefficients^a

Model	Unstandardized Coefficients	Standardized Coefficients	t	Sig.
-------	-----------------------------	---------------------------	---	------

		B	Std. Error	Beta		
1	(Constant)	-.013	.003		-4.090	.000
	R_ud	2.178	.286	.629	7.627	.000
2	(Constant)	-.018	.003		-5.645	.000
	R_ud	2.931	.324	.846	9.051	.000
	S_ud	-.297	.074	-.375	-4.016	.000

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	R_ud	1.000	1.000
2	(Constant)		
	R_ud	.665	1.505
	S_ud	.665	1.505

a. Dependent Variable: AvgPL_ud

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpudN	.056 ^b	.577	.565	.061	.719	1.391

	PL_TSpudN	.218 ^b	2.517	.014	.259	.855	1.169
	S_ud	-.375 ^b	-4.016	.000	-.394	.665	1.505
	SMSP_ud	-.009 ^b	-.102	.919	-.011	.909	1.100
2	PL_TpudN	.101 ^c	1.119	.266	.119	.708	1.412
	PL_TSpudN	.134 ^c	1.570	.120	.166	.785	1.274
	SMSP_ud	.033 ^c	.410	.683	.044	.894	1.118

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	PL_TpudN	.719
	PL_TSpudN	.855
	S_ud	.665
	SMSP_ud	.909
2	PL_TpudN	.555
	PL_TSpudN	.522
	SMSP_ud	.643

a. Dependent Variable: AvgPL_ud

b. Predictors in the Model: (Constant), R_ud

c. Predictors in the Model: (Constant), R_ud, S_ud

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	R_ud	S_ud
1	1	1.992	1.000	.00	.00	
	2	.008	15.423	1.00	1.00	
2	1	2.841	1.000	.00	.00	.02
	2	.153	4.306	.02	.01	.72
	3	.006	21.343	.98	.99	.27

a. Dependent Variable: AvgPL_ud

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00437184935 4357	.01891673356 2946	.01098901098 9011	.00348564758 7656
Std. Predicted Value	-1.898	2.274	.000	1.000
Standard Error of Predicted Value	.000	.002	.001	.000
Adjusted Predicted Value	.00438200216 7404	.01848945952 9519	.01098236135 4506	.00347353759 1782
Residual	- .00548063870 5194	.01529356185 3468	.00000000000 0000	.00356378510 7912
Std. Residual	-1.521	4.243	.000	.989

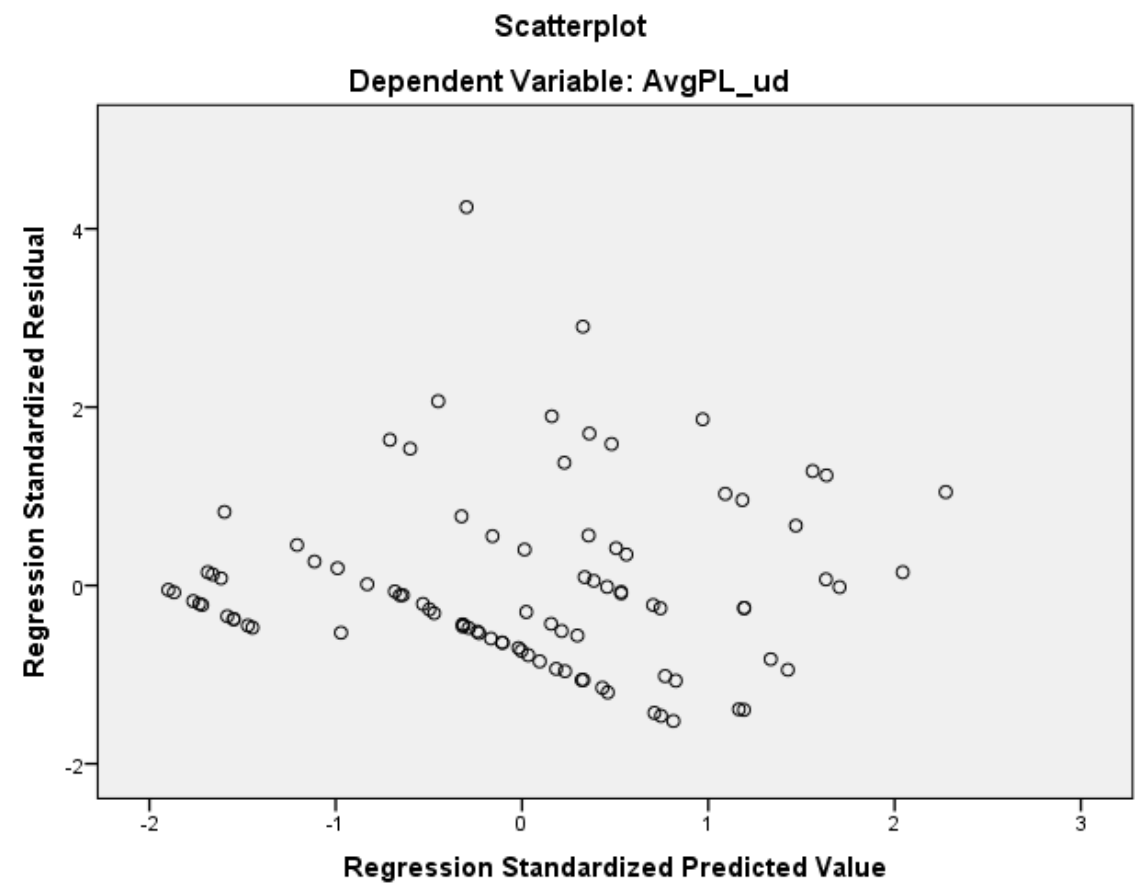
Stud. Residual	-1.535	4.283	.001	1.000
Deleted Residual	-	.01557684689	.00000664963	.00364662224
	.00558330304	7602	4505	9556
	9207			
Stud. Deleted Residual	-1.547	4.786	.010	1.034
Mahal. Distance	.015	16.316	1.978	2.384
Cook's Distance	.000	.113	.008	.014
Centered Leverage Value	.000	.181	.022	.026

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: AvgPL_ud

Charts



REGRESSION

```

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT AvgGL_ud

/METHOD=STEPWISE PL_TpudN PL_TSpudN S_ud R_ud SMSP_ud

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

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Regression

Notes

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	Split File	<none>

	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT AvgGL_ud /METHOD=STEPWISE PL_TpudN PL_TSpudN S_ud R_ud SMSP_ud /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.25
	Elapsed Time	00:00:00.22
	Memory Required	6032 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_5	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	R_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	S_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: AvgGL_ud

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.555 ^a	.308	.300	.00293256043 0783

2	.648 ^b	.420	.406	.00270059662 0363
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a. Predictors: (Constant), R_ud

b. Predictors: (Constant), R_ud, S_ud

c. Dependent Variable: AvgGL_ud

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	39.576	.000 ^b
	Residual	.001	89	.000		
	Total	.001	90			
2	Regression	.000	2	.000	31.806	.000 ^c
	Residual	.001	88	.000		
	Total	.001	90			

a. Dependent Variable: AvgGL_ud

b. Predictors: (Constant), R_ud

c. Predictors: (Constant), R_ud, S_ud

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-.004	.002		-1.622	.108
	R_ud	1.351	.215	.555	6.291	.000
2	(Constant)	-.008	.002		-3.235	.002
	R_ud	1.930	.243	.792	7.953	.000
	S_ud	-.228	.055	-.410	-4.117	.000

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	R_ud	1.000	1.000
2	(Constant)		
	R_ud	.665	1.505
	S_ud	.665	1.505

a. Dependent Variable: AvgGL_ud

Excluded Variables^a

Model	Beta In	t	Sig.	Partial	Collinearity Statistics
-------	---------	---	------	---------	-------------------------

					Correlation	Tolerance	VIF
1	PL_TpudN	-.057 ^b	-.542	.589	-.058	.719	1.391
	PL_TSpudN	.213 ^b	2.291	.024	.237	.855	1.169
	S_ud	-.410 ^b	-4.117	.000	-.402	.665	1.505
	SMSP_ud	-.039 ^b	-.415	.679	-.044	.909	1.100
2	PL_TpudN	-.009 ^c	-.097	.923	-.010	.708	1.412
	PL_TSpudN	.119 ^c	1.309	.194	.139	.785	1.274
	SMSP_ud	.007 ^c	.079	.937	.009	.894	1.118

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	PL_TpudN	.719
	PL_TSpudN	.855
	S_ud	.665
	SMSP_ud	.909
2	PL_TpudN	.555
	PL_TSpudN	.522
	SMSP_ud	.643

a. Dependent Variable: AvgGL_ud

b. Predictors in the Model: (Constant), R_ud

c. Predictors in the Model: (Constant), R_ud, S_ud

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	R_ud	S_ud
1	1	1.992	1.000	.00	.00	
	2	.008	15.423	1.00	1.00	
2	1	2.841	1.000	.00	.00	.02
	2	.153	4.306	.02	.01	.72
	3	.006	21.343	.98	.99	.27

a. Dependent Variable: AvgGL_ud

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00680919783 1899	.01648183166 9807	.01098901098 9011	.00227043005 8833
Std. Predicted Value	-1.841	2.419	.000	1.000
Standard Error of Predicted Value	.000	.001	.000	.000
Adjusted Predicted Value	.00676954677 3285	.01607804559 1712	.01097263398 0781	.00226562479 5089

Residual	- .00334182078 9501	.01586771383 8816	.00000000000 0000	.00267042140 9359
Std. Residual	-1.237	5.876	.000	.989
Stud. Residual	-1.256	5.930	.003	1.002
Deleted Residual	- .00344133423 6413	.01616163365 5429	.00001637700 8230	.00274073575 4985
Stud. Deleted Residual	-1.260	7.609	.024	1.125
Mahal. Distance	.015	16.316	1.978	2.384
Cook's Distance	.000	.217	.009	.027
Centered Leverage Value	.000	.181	.022	.026

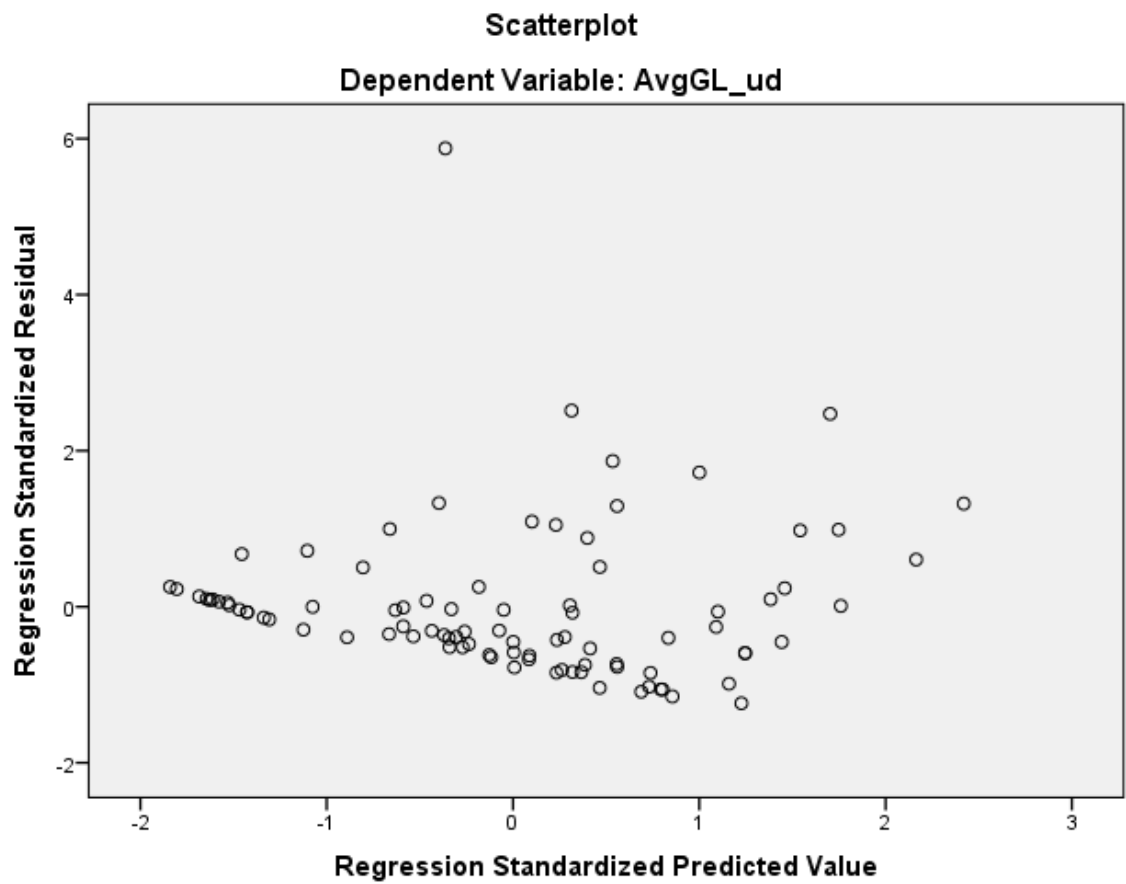
Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91

Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: AvgGL_ud

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT ECud

/METHOD=STEPWISE PL_TpudN PL_TSpudN S_ud R_ud SMSP_ud

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created	05-JUN-2015 13:38:00	
Comments		
Input	Active Dataset	DataSet1

	Filter	<none>	
	Weight	<none>	
	Split File	<none>	
	N of Rows in Working Data File		91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.	
	Cases Used	Statistics are based on cases with no missing values for any variable used.	
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT ECud /METHOD=STEPWISE PL_TpudN PL_TSpudN S_ud R_ud SMSP_ud /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.	
Resources	Processor Time		00:00:00.33
	Elapsed Time		00:00:00.29
	Memory Required	6432 bytes	

	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_15	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	S_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	SMSP_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: ECud

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.215 ^a	.046	.036	.00254828625 5514
2	.334 ^b	.112	.091	.00247337761 6315

a. Predictors: (Constant), S_ud

b. Predictors: (Constant), S_ud, SMSP_ud

c. Dependent Variable: ECud

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	4.324	.040 ^b
	Residual	.001	89	.000		
	Total	.001	90			
2	Regression	.000	2	.000	5.531	.005 ^c
	Residual	.001	88	.000		
	Total	.001	90			

a. Dependent Variable: ECud

b. Predictors: (Constant), S_ud

c. Predictors: (Constant), S_ud, SMSP_ud

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.010	.001		18.549	.000
	S_ud	.089	.043	.215	2.079	.040
2	(Constant)	.010	.001		19.236	.000
	S_ud	.119	.043	.288	2.759	.007
	SMSP_ud	-.038	.015	-.266	-2.544	.013

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	S_ud	1.000	1.000
2	(Constant)		
	S_ud	.924	1.082
	SMSP_ud	.924	1.082

a. Dependent Variable: ECud

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpudN	-.276 ^b	-2.526	.013	-.260	.848	1.180
	PL_TSpudN	-.015 ^b	-.141	.889	-.015	1.000	1.000
	R_ud	-.009 ^b	-.074	.941	-.008	.665	1.505
	SMSP_ud	-.266 ^b	-2.544	.013	-.262	.924	1.082
2	PL_TpudN	-.195 ^c	-1.654	.102	-.175	.709	1.411
	PL_TSpudN	.017 ^c	.167	.868	.018	.985	1.015
	R_ud	.049 ^c	.389	.698	.042	.643	1.556

Excluded Variables^a

Model		Collinearity Statistics	
		Minimum Tolerance	
1	PL_TpudN		
	PL_TSpudN		
	R_ud		
	SMSP_ud		
2	PL_TpudN		

PL_TSpudN	.910
R_ud	.643

a. Dependent Variable: ECud

b. Predictors in the Model: (Constant), S_ud

c. Predictors in the Model: (Constant), S_ud, SMSP_ud

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	S_ud	SMSP_ud
1	1	1.869	1.000	.07	.07	
	2	.131	3.777	.93	.93	
2	1	2.319	1.000	.04	.04	.07
	2	.552	2.050	.07	.04	.90
	3	.129	4.243	.89	.92	.02

a. Dependent Variable: ECud

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
--	---------	---------	------	----------------

Predicted Value	.00665376149 1179	.01359621342 2716	.01098901098 9011	.00086714973 6980
Std. Predicted Value	-4.999	3.007	.000	1.000
Standard Error of Predicted Value	.000	.002	.000	.000
Adjusted Predicted Value	.00707605527 7139	.01373212784 5287	.01099479669 8061	.00084151311 6353
Residual	- .01113963313 4007	.00219522439 8747	.00000000000 0000	.00244574124 4818
Std. Residual	-4.504	.888	.000	.989
Stud. Residual	-4.539	.932	-.001	1.002
Deleted Residual	- .01131596602 4995	.00242126616 6493	- .00000578570 9050	.00251207433 6426
Stud. Deleted Residual	-5.157	.931	-.014	1.046
Mahal. Distance	.044	35.374	1.978	4.247
Cook's Distance	.000	.125	.009	.020
Centered Leverage Value	.000	.393	.022	.047

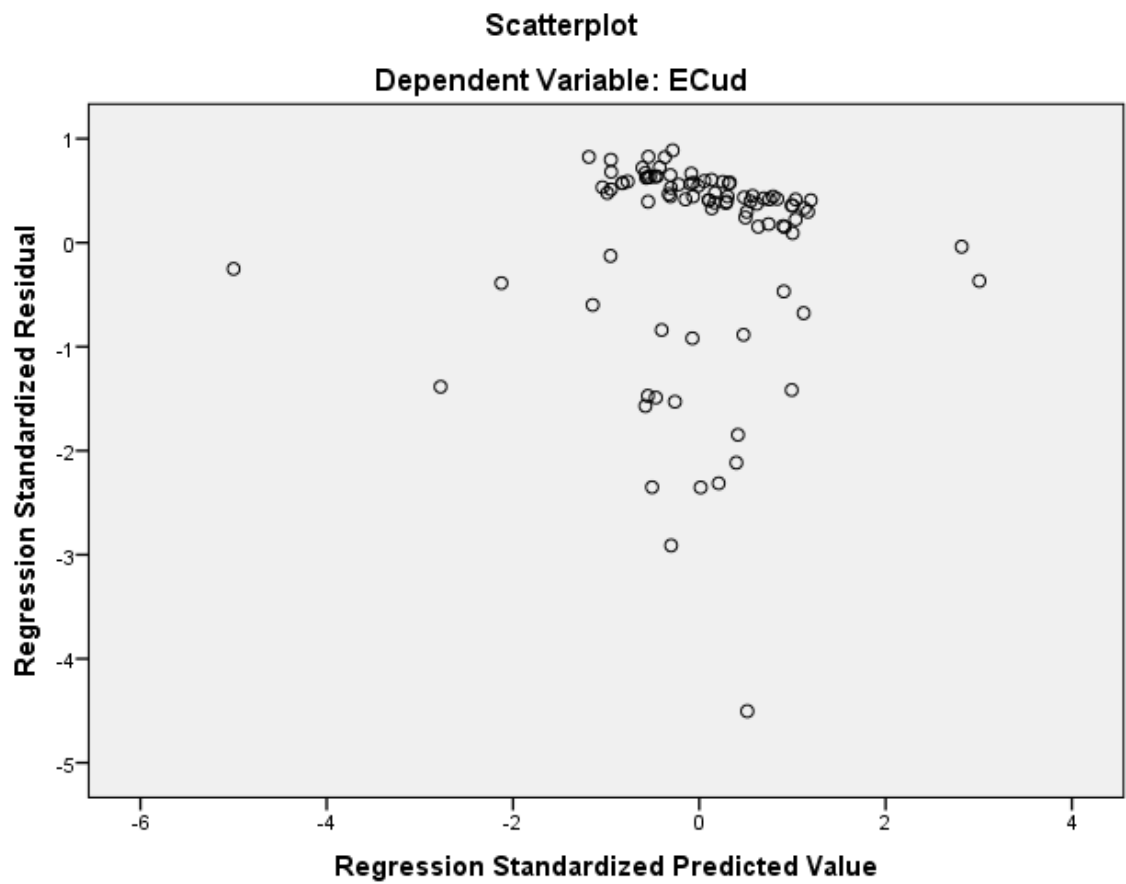
Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91

Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: ECud

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT PL_EVCudN

/METHOD=STEPWISE PL_TpudN PL_TSpudN S_ud R_ud SMSP_ud

/SCATTERPLOT=(*ZRESID,*ZPRED)

/SAVE COOK.

Regression

Notes

Output Created		05-JUN-2015 13:38:27
Comments		
Input	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.

Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT PL_EVCudN /METHOD=STEPWISE PL_TpudN PL_TSpudN S_ud R_ud SMSP_ud /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.	
Resources	Processor Time		00:00:00.20
	Elapsed Time		00:00:00.23
	Memory Required	6480 bytes	
	Additional Memory Required for Residual Plots	0 bytes	
Variables Created or Modified	COO_16	Cook's Distance	

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
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1	S_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	SMSP_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: PL_EVCudN

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.596 ^a	.356	.348	.00285351043 8057
2	.644 ^b	.415	.402	.00273360366 9522

a. Predictors: (Constant), S_ud

b. Predictors: (Constant), S_ud, SMSP_ud

c. Dependent Variable: PL_EVCudN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.000	1	.000	49.096	.000 ^b
	Residual	.001	89	.000		
	Total	.001	90			
2	Regression	.000	2	.000	31.238	.000 ^c
	Residual	.001	88	.000		
	Total	.001	90			

a. Dependent Variable: PL_EVCudN

b. Predictors: (Constant), S_ud

c. Predictors: (Constant), S_ud, SMSP_ud

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.007	.001		12.090	.000

	S_ud	.335	.048	.596	7.007	.000
2	(Constant)	.007	.001		12.397	.000
	S_ud	.296	.048	.526	6.209	.000
	SMSP_ud	.050	.017	.254	2.997	.004

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	S_ud	1.000	1.000
2	(Constant)		
	S_ud	.924	1.082
	SMSP_ud	.924	1.082

a. Dependent Variable: PL_EVCudN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TpudN	.142 ^b	1.549	.125	.163	.848	1.180
	PL_TSpudN	.019 ^b	.218	.828	.023	1.000	1.000
	R_ud	.024 ^b	.229	.819	.024	.665	1.505

	SMSP_ud	.254 ^b	2.997	.004	.304	.924	1.082
2	PL_TpudN	.041 ^c	.426	.671	.046	.709	1.411
	PL_TSpudN	-.011 ^c	-.139	.890	-.015	.985	1.015
	R_ud	-.031 ^c	-.306	.761	-.033	.643	1.556

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	PL_TpudN	.848
	PL_TSpudN	1.000
	R_ud	.665
	SMSP_ud	.924
2	PL_TpudN	.709
	PL_TSpudN	.910
	R_ud	.643

a. Dependent Variable: PL_EVCudN

b. Predictors in the Model: (Constant), S_ud

c. Predictors in the Model: (Constant), S_ud, SMSP_ud

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition	Variance Proportions
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			Index	(Constant)	S_ud	SMSP_ud
1	1	1.869	1.000	.07	.07	
	2	.131	3.777	.93	.93	
2	1	2.319	1.000	.04	.04	.07
	2	.552	2.050	.07	.04	.90
	3	.129	4.243	.89	.92	.02

a. Dependent Variable: PL_EVCudN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00727349892 2586	.01815013214 9458	.01098901098 9011	.00227757681 4051
Std. Predicted Value	-1.631	3.144	.000	1.000
Standard Error of Predicted Value	.000	.002	.000	.000
Adjusted Predicted Value	.00721898488 7004	.01761397533 1187	.01098561318 7933	.00226163489 9939
Residual	- .00762272952 1245	.00668386230 2452	.00000000000 0000	.00270305965 3097
Std. Residual	-2.789	2.445	.000	.989
Stud. Residual	-2.842	2.479	.001	1.005

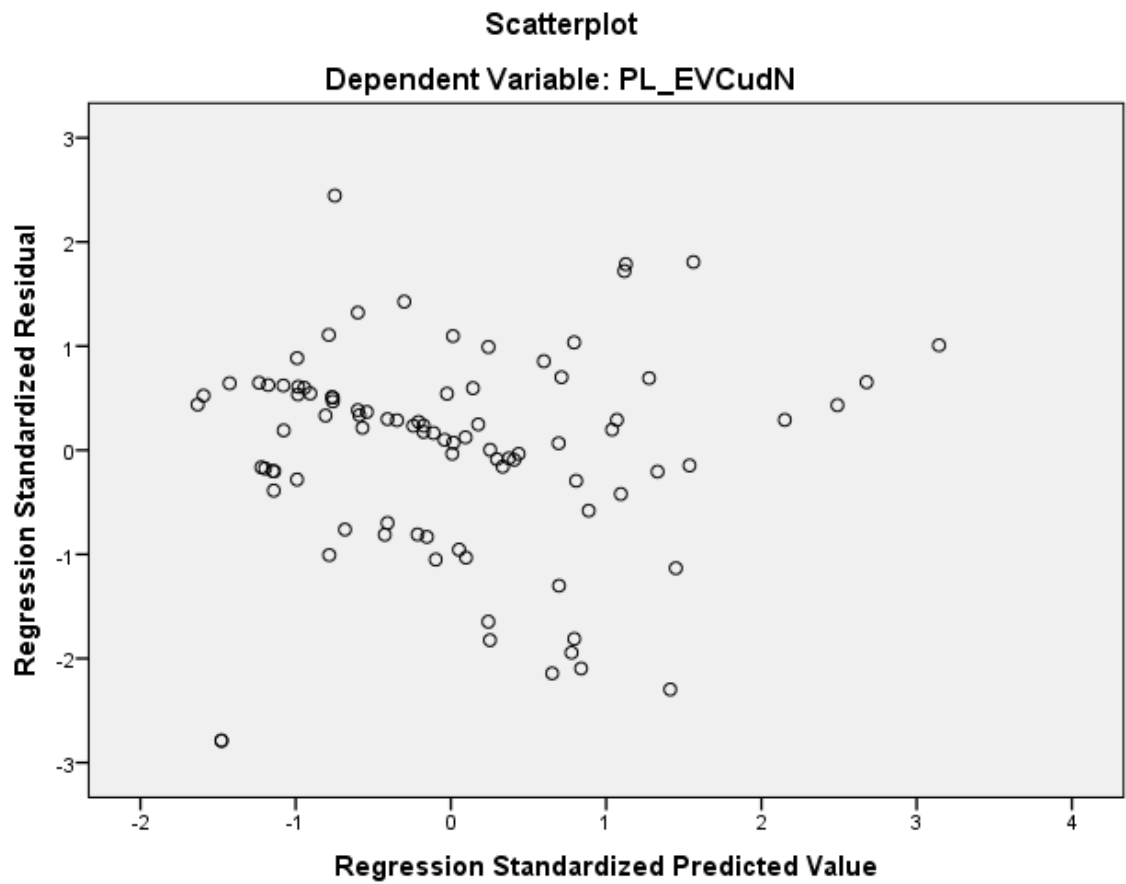
Deleted Residual	- .00791534781 4560	.00687277922 4068	.00000339780 1078	.00279553319 1225
Stud. Deleted Residual	-2.965	2.556	-.004	1.023
Mahal. Distance	.044	35.374	1.978	4.247
Cook's Distance	.000	.131	.012	.024
Centered Leverage Value	.000	.393	.022	.047

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: PL_EVCudN

Charts



REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

```

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT EVCud_TpudN

/METHOD=STEPWISE PL_TpudN PL_TSpudN S_ud R_ud SMSP_ud

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

```

Regression

Notes

Output Created	05-JUN-2015 13:38:57	
Comments		
Input	Active Dataset	DataSet1
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	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	91

Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT EVCud_TpudN /METHOD=STEPWISE PL_TpudN PL_TSpudN S_ud R_ud SMSP_ud /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.23
	Elapsed Time	00:00:00.26
	Memory Required	6512 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_17	Cook's Distance

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	PL_TpudN		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).
2	R_ud		Stepwise (Criteria: Probability-of- F-to-enter <= .050, Probability-of- F-to-remove >= .100).

a. Dependent Variable: EVCud_TpudN

Model Summary^c

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.705 ^a	.497	.492	.00366605517 4553
2	.767 ^b	.588	.578	.00333928759 5891

a. Predictors: (Constant), PL_TpudN

b. Predictors: (Constant), PL_TpudN, R_ud

c. Dependent Variable: EVCud_TpudN

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.001	1	.001	88.096	.000 ^b
	Residual	.001	89	.000		
	Total	.002	90			
2	Regression	.001	2	.001	62.726	.000 ^c
	Residual	.001	88	.000		
	Total	.002	90			

a. Dependent Variable: EVCud_TpudN

b. Predictors: (Constant), PL_TpudN

c. Predictors: (Constant), PL_TpudN, R_ud

Coefficients^a

Model	Unstandardized Coefficients	Standardized Coefficients	t	Sig.
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		B	Std. Error	Beta		
1	(Constant)	.004	.001		5.251	.000
	PL_TpudN	.612	.065	.705	9.386	.000
2	(Constant)	-.008	.003		-2.748	.007
	PL_TpudN	.449	.070	.517	6.408	.000
	R_ud	1.267	.289	.354	4.390	.000

Coefficients^a

Model		Collinearity Statistics	
		Tolerance	VIF
1	(Constant)		
	PL_TpudN	1.000	1.000
2	(Constant)		
	PL_TpudN	.719	1.391
	R_ud	.719	1.391

a. Dependent Variable: EVCud_TpudN

Excluded Variables^a

Model		Beta In	t	Sig.	Partial Correlation	Collinearity Statistics	
						Tolerance	VIF
1	PL_TSpudN	.130 ^b	1.744	.085	.183	.990	1.010

	S_ud	.161 ^b	2.002	.048	.209	.848	1.180
	R_ud	.354 ^b	4.390	.000	.424	.719	1.391
	SMSP_ud	-.048 ^b	-.565	.573	-.060	.783	1.277
2	PL_TSpudN	.015 ^c	.205	.838	.022	.841	1.189
	S_ud	.007 ^c	.077	.939	.008	.655	1.527
	SMSP_ud	-.073 ^c	-.943	.348	-.101	.779	1.283

Excluded Variables^a

Model		Collinearity Statistics
		Minimum Tolerance
1	PL_TSpudN	.990
	S_ud	.848
	R_ud	.719
	SMSP_ud	.783
2	PL_TSpudN	.611
	S_ud	.555
	SMSP_ud	.616

a. Dependent Variable: EVCud_TpudN

b. Predictors in the Model: (Constant), PL_TpudN

c. Predictors in the Model: (Constant), PL_TpudN, R_ud

Collinearity Diagnostics^a

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions		
				(Constant)	PL_TpudN	R_ud
1	1	1.881	1.000	.06	.06	
	2	.119	3.978	.94	.94	
2	1	2.853	1.000	.00	.02	.00
	2	.140	4.517	.02	.77	.01
	3	.007	20.613	.97	.21	.99

a. Dependent Variable: EVCud_TpudN

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation
Predicted Value	.00250168982 8932	.01973767206 0728	.01098901098 9011	.00394249618 4939
Std. Predicted Value	-2.153	2.219	.000	1.000
Standard Error of Predicted Value	.000	.002	.001	.000
Adjusted Predicted Value	.00267177075 1476	.02059560455 3819	.01102384106 6894	.00399494453 9255
Residual	- .00749855255 7081	.01055462565 2730	.00000000000 0000	.00330197594 8884
Std. Residual	-2.246	3.161	.000	.989

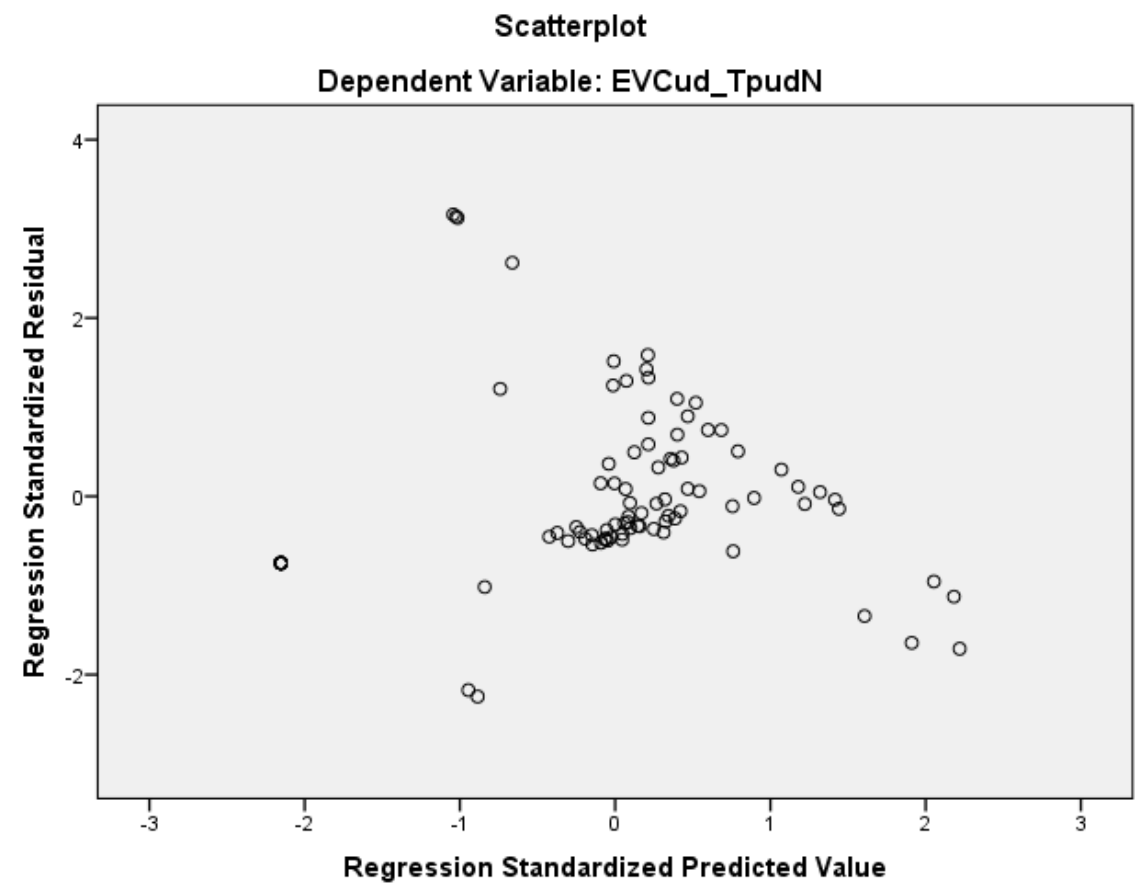
Stud. Residual	-2.364	3.257	-.005	1.018
Deleted Residual	-	-	-	-
	.00831064488	.01121014356	.00003483007	.00350516775
	7388	6132	7883	2040
Stud. Deleted Residual	-2.429	3.454	.002	1.046
Mahal. Distance	.003	18.043	1.978	2.845
Cook's Distance	.000	.306	.021	.056
Centered Leverage Value	.000	.200	.022	.032

Residuals Statistics^a

	N
Predicted Value	91
Std. Predicted Value	91
Standard Error of Predicted Value	91
Adjusted Predicted Value	91
Residual	91
Std. Residual	91
Stud. Residual	91
Deleted Residual	91
Stud. Deleted Residual	91
Mahal. Distance	91
Cook's Distance	91
Centered Leverage Value	91

a. Dependent Variable: EVCud_TpudN

Charts



REGRESSION

```

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA COLLIN TOL

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT EVCud_TSpudN

/METHOD=STEPWISE PL_TpudN PL_TSpudN S_ud R_ud SMSP_ud

/SCATTERPLOT=(*ZRESID ,*ZPRED)

/SAVE COOK.

```

Regression

Notes

Output Created		05-JUN-2015 13:39:19
Comments		
Input	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>

	N of Rows in Working Data File	91
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on cases with no missing values for any variable used.
Syntax		REGRESSION /MISSING LISTWISE /STATISTICS COEFF OUTS R ANOVA COLLIN TOL /CRITERIA=PIN(.05) POUT(.10) /NOORIGIN /DEPENDENT EVCud_TSpudN /METHOD=STEPWISE PL_TpudN PL_TSpudN S_ud R_ud SMSP_ud /SCATTERPLOT=(*ZRESID ,*ZPRED) /SAVE COOK.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.03
	Memory Required	6560 bytes
	Additional Memory Required for Residual Plots	0 bytes
Variables Created or Modified	COO_18	Cook's Distance

Warnings

No variables were entered into the equation.