The CORR Procedure

6 Variables:	DV	E1	E2	E3	E4	E5

Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
DV	2000	101.07470	2.55257	202149	94.54230	110.26185
E1	2000	0.01665	0.98616	33.30883	-3.48191	4.08872
E2	2000	0.01430	0.96679	28.60749	-3.83932	3.11952
E3	2000	-0.01937	0.97194	-38.73444	-3.54710	3.62252
E4	2000	0.01283	0.99354	25.66769	-3.98419	3.46805
E5	2000	-0.02902	1.00531	-58.04492	-3.10027	3.34716

Pearson Correlation Coefficients, N = 2000
Prob > |r| under H0: Rho=0

	DV	E1	E2	E3	E4	E5
DV	1.00000	0.00250 0.9112	0.26681 <.0001	0.43850 <.0001	0.00786 0.7253	0.25195 <.0001
E1	0.00250 0.9112	1.00000	-0.06484 0.0037	0.01306 0.5595	0.01362 0.5426	-0.03747 0.0939
E2	0.26681 <.0001	-0.06484 0.0037	1.00000	-0.02238 0.3171	-0.03664 0.1014	-0.00628 0.7790
E3	0.43850 <.0001	0.01306 0.5595	-0.02238 0.3171	1.00000	0.02309 0.3020	-0.01247 0.5772
E4	0.00786 0.7253	0.01362 0.5426	-0.03664 0.1014	0.02309 0.3020	1.00000	-0.02088 0.3507
E5	0.25195 <.0001	-0.03747 0.0939	-0.00628 0.7790	-0.01247 0.5772	-0.02088 0.3507	1.00000

The CORR Procedure

16 Variables:	DV	G1	G2	G3	G4	G5	G6	G7	G8	G9	G10	G11	G12	G13	G14	G15

Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
DV	2000	101.07470	2.55257	202149	94.54230	110.26185
G1	2000	0.50800	0.50006	1016	0	1.00000
G2	2000	0.50400	0.50011	1008	0	1.00000
G3	2000	0.49500	0.50010	990.00000	0	1.00000
G4	2000	0.49500	0.50010	990.00000	0	1.00000
G5	2000	0.48150	0.49978	963.00000	0	1.00000
G6	2000	0.50100	0.50012	1002	0	1.00000
G7	2000	0.51400	0.49993	1028	0	1.00000
G8	2000	0.48850	0.49999	977.00000	0	1.00000
G9	2000	0.47950	0.49970	959.00000	0	1.00000
G10	2000	0.49000	0.50003	980.00000	0	1.00000
G11	2000	0.49400	0.50009	988.00000	0	1.00000
G12	2000	0.49200	0.50006	984.00000	0	1.00000
G13	2000	0.53500	0.49890	1070	0	1.00000
G14	2000	0.50000	0.50013	1000	0	1.00000
G15	2000	0.49450	0.50009	989.00000	0	1.00000

The CORR Procedure

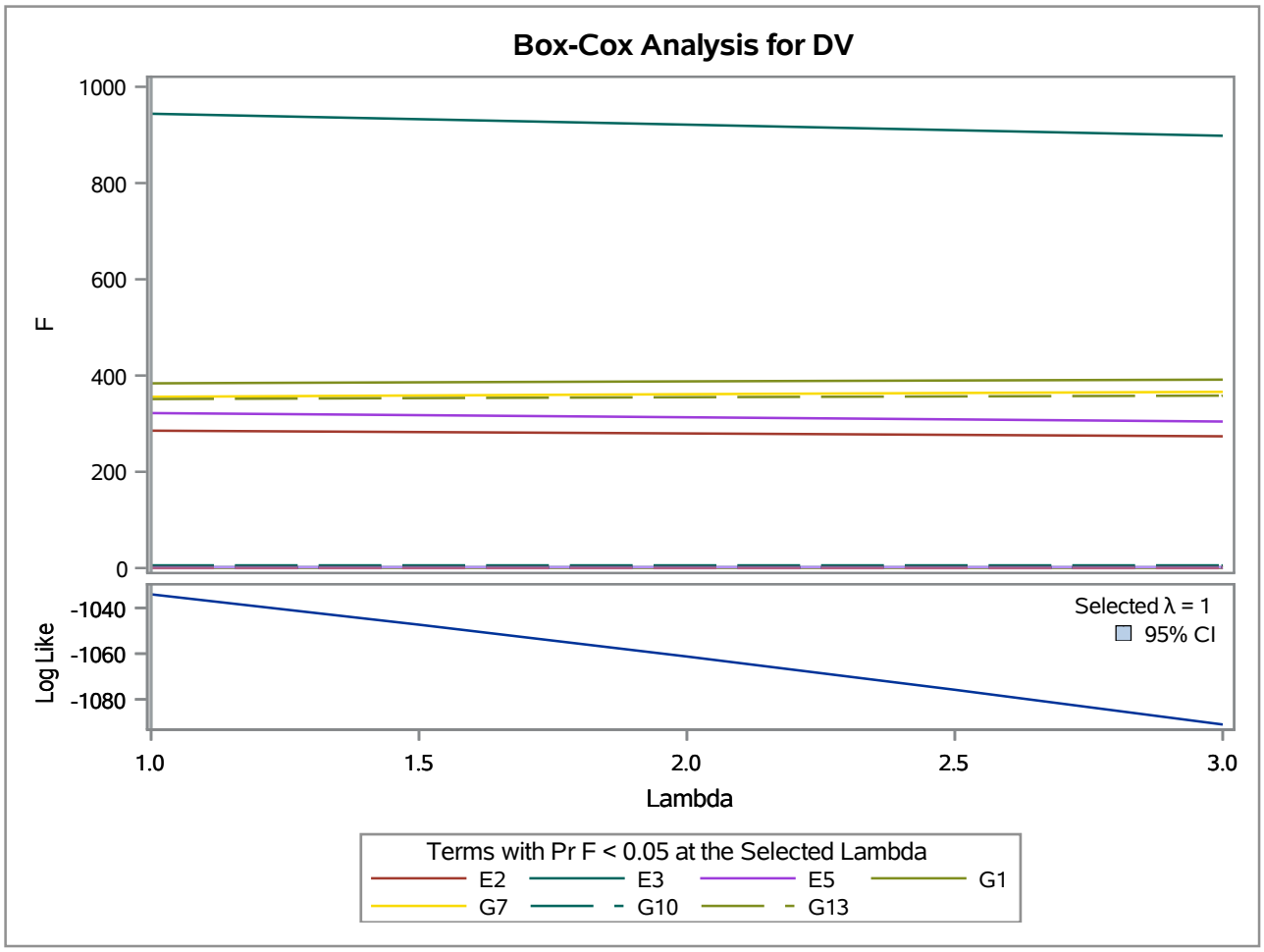
Pearson Correlation Coefficients, N = 2000
Prob > |r| under H0: Rho=0

	DV	G1	G2	G3	G4	G5	G6	G7	G8	G9
DV	1.00000	0.29610 <.0001	0.04078 0.0682	0.02729 0.2225	-0.01951 0.3833	-0.02498 0.2641	-0.03006 0.1790	0.25933 <.0001	-0.02358 0.2919	-0.01012 0.6509
G1	0.29610 <.0001	1.00000	-0.00413 0.8536	0.00616 0.7830	0.03217 0.1504	-0.00041 0.9854	0.00797 0.7217	0.00555 0.8039	-0.00864 0.6995	-0.01836 0.4118
G2	0.04078 0.0682	-0.00413 0.8536	1.00000	0.02808 0.2094	-0.01592 0.4767	-0.02472 0.2691	-0.00202 0.9282	0.00378 0.8659	-0.03483 0.1195	-0.03270 0.1438
G3	0.02729 0.2225	0.00616 0.7830	0.02808 0.2094	1.00000	-0.01610 0.4717	0.02865 0.2003	0.03202 0.1523	-0.00172 0.9387	0.00277 0.9014	0.00059 0.9789
G4	-0.01951 0.3833	0.03217 0.1504	-0.01592 0.4767	-0.01610 0.4717	1.00000	-0.01338 0.5498	-0.00198 0.9295	-0.02573 0.2501	0.00077 0.9725	-0.02543 0.2556
G5	-0.02498 0.2641	-0.00041 0.9854	-0.02472 0.2691	0.02865 0.2003	-0.01338 0.5498	1.00000	0.01909 0.3936	-0.03600 0.1075	0.00115 0.9590	-0.00152 0.9459
G6	-0.03006 0.1790	0.00797 0.7217	-0.00202 0.9282	0.03202 0.1523	-0.00198 0.9295	0.01909 0.3936	1.00000	-0.00006 0.9980	-0.03096 0.1663	-0.00893 0.6900
G7	0.25933 <.0001	0.00555 0.8039	0.00378 0.8659	-0.00172 0.9387	-0.02573 0.2501	-0.03600 0.1075	-0.00006 0.9980	1.00000	-0.00836 0.7086	-0.01988 0.3743
G8	-0.02358 0.2919	-0.00864 0.6995	-0.03483 0.1195	0.00277 0.9014	0.00077 0.9725	0.00115 0.9590	-0.03096 0.1663	-0.00836 0.7086	1.00000	-0.03298 0.1404
G9	-0.01012 0.6509	-0.01836 0.4118	-0.03270 0.1438	0.00059 0.9789	-0.02543 0.2556	-0.00152 0.9459	-0.00893 0.6900	-0.01988 0.3743	-0.03298 0.1404	1.00000
G10	0.00374 0.8672	-0.00768 0.7313	0.02417 0.2801	-0.00620 0.7816	0.01780 0.4261	-0.02176 0.3307	0.02004 0.3703	-0.01545 0.4899	-0.00146 0.9479	-0.03786 0.0905
G11	0.03619 0.1056	0.01419 0.5258	0.00410 0.8547	-0.01012 0.6510	0.01388 0.5350	-0.00945 0.6727	-0.03198 0.1528	-0.02167 0.3326	-0.01128 0.6142	0.00051 0.9819
G12	-0.00581 0.7952	0.00026 0.9909	-0.02188 0.3282	0.02184 0.3289	-0.00816 0.7153	0.03043 0.1737	0.01403 0.5305	-0.00756 0.7356	-0.00337 0.8803	0.01035 0.6435
G13	0.28774 <.0001	-0.01516 0.4981	0.00946 0.6723	0.00070 0.9750	-0.02737 0.2212	0.02768 0.2160	-0.01618 0.4696	-0.00798 0.7213	-0.00340 0.8792	0.03800 0.0894
G14	-0.00895 0.6890	-0.03200 0.1525	0.02000 0.3713	-0.01000 0.6549	-0.03000 0.1799	-0.01501 0.5023	-0.02400 0.2834	-0.03001 0.1797	-0.02901 0.1947	-0.00300 0.8932
G15	-0.01308 0.5587	-0.05683 0.0110	-0.00491 0.8262	-0.02111 0.3453	0.01889 0.3984	-0.02242 0.3162	0.00502 0.8224	0.02132 0.3407	0.00575 0.7972	0.01556 0.4867

The CORR Procedure

Pearson Correlation Coefficients, N = 2000 Prob > |r| under H0: Rho=0						
	G10	**G11**	**G12**	**G13**	**G14**	**G15**
DV	0.00374 0.8672	0.03619 0.1056	-0.00581 0.7952	0.28774 <.0001	-0.00895 0.6890	-0.01308 0.5587
G1	-0.00768 0.7313	0.01419 0.5258	0.00026 0.9909	-0.01516 0.4981	-0.03200 0.1525	-0.05683 0.0110
G2	0.02417 0.2801	0.00410 0.8547	-0.02188 0.3282	0.00946 0.6723	0.02000 0.3713	-0.00491 0.8262
G3	-0.00620 0.7816	-0.01012 0.6510	0.02184 0.3289	0.00070 0.9750	-0.01000 0.6549	-0.02111 0.3453
G4	0.01780 0.4261	0.01388 0.5350	-0.00816 0.7153	-0.02737 0.2212	-0.03000 0.1799	0.01889 0.3984
G5	-0.02176 0.3307	-0.00945 0.6727	0.03043 0.1737	0.02768 0.2160	-0.01501 0.5023	-0.02242 0.3162
G6	0.02004 0.3703	-0.03198 0.1528	0.01403 0.5305	-0.01618 0.4696	-0.02400 0.2834	0.00502 0.8224
G7	-0.01545 0.4899	-0.02167 0.3326	-0.00756 0.7356	-0.00798 0.7213	-0.03001 0.1797	0.02132 0.3407
G8	-0.00146 0.9479	-0.01128 0.6142	-0.00337 0.8803	-0.00340 0.8792	-0.02901 0.1947	0.00575 0.7972
G9	-0.03786 0.0905	0.00051 0.9819	0.01035 0.6435	0.03800 0.0894	-0.00300 0.8932	0.01556 0.4867
G10	1.00000	-0.01224 0.5842	0.01368 0.5408	-0.04071 0.0687	0.00800 0.7206	-0.02123 0.3427
G11	-0.01224 0.5842	1.00000	-0.01419 0.5258	0.02691 0.2290	0.02400 0.2833	-0.03114 0.1639
G12	0.01368 0.5408	-0.01419 0.5258	1.00000	0.03321 0.1377	-0.03200 0.1525	0.01483 0.5075
G13	-0.04071 0.0687	0.02691 0.2290	0.03321 0.1377	1.00000	0.03007 0.1788	-0.00825 0.7123
G14	0.00800 0.7206	0.02400 0.2833	-0.03200 0.1525	0.03007 0.1788	1.00000	0.01100 0.6230
G15	-0.02123 0.3427	-0.03114 0.1639	0.01483 0.5075	-0.00825 0.7123	0.01100 0.6230	1.00000

The TRANSREG Procedure



Dependent Variable BoxCox(DV)

Number of Observations Read	2000
Number of Observations Used	2000

The TRANSREG Procedure

Model Statement Specification Details				
Type	**DF**	**Variable**	**Description**	**Value**
Dep	1	BoxCox(DV)	Lambda Used	1
			Lambda	1
			Log Likelihood	-1034.0
			Conv. Lambda	1
			Conv. Lambda LL	-1034.0
			CI Limit	-1036.0
			Alpha	0.05
Ind	1	Identity(E1)	DF	1
Ind	1	Identity(E2)	DF	1
Ind	1	Identity(E3)	DF	1
Ind	1	Identity(E4)	DF	1
Ind	1	Identity(E5)	DF	1
Ind	1	Identity(G1)	DF	1
Ind	1	Identity(G2)	DF	1
Ind	1	Identity(G3)	DF	1
Ind	1	Identity(G4)	DF	1
Ind	1	Identity(G5)	DF	1
Ind	1	Identity(G6)	DF	1
Ind	1	Identity(G7)	DF	1
Ind	1	Identity(G8)	DF	1
Ind	1	Identity(G9)	DF	1
Ind	1	Identity(G10)	DF	1
Ind	1	Identity(G11)	DF	1
Ind	1	Identity(G12)	DF	1
Ind	1	Identity(G13)	DF	1
Ind	1	Identity(G14)	DF	1
Ind	1	Identity(G15)	DF	1

The TRANSREG Procedure

The TRANSREG Procedure Hypothesis Tests for BoxCox(DV)

Univariate ANOVA Table Based on the Usual Degrees of Freedom					
Source	**DF**	**Sum of Squares**	**Mean Square**	**F Value**	**Liberal p**
Model	20	7458.92	372.9460	132.61	>= <.0001
Error	1979	5565.77	2.8124		
Corrected Total	1999	13024.69			
The above statistics are not adjusted for the fact that the dependent variable was transformed and so are generally liberal.					

Root MSE	1.67703	**R-Square**	0.5727
Dependent Mean	100.07470	**Adj R-Sq**	0.5684
Coeff Var	1.67577	**Lambda**	1.0000

Univariate Regression Table Based on the Usual Degrees of Freedom						
Variable	**DF**	**Coefficient**	**Type II Sum of Squares**	**Mean Square**	**F Value**	**Liberal p**
Intercept	1	97.7799301	1131668	1131668	402383	>= <.0001
Identity(E1)	1	0.0515177	5	5	1.81	>= 0.1783
Identity(E2)	1	0.6599444	803	803	285.41	>= <.0001
Identity(E3)	1	1.1915647	2655	2655	944.02	>= <.0001
Identity(E4)	1	0.0179326	1	1	0.22	>= 0.6360
Identity(E5)	1	0.6726451	906	906	321.99	>= <.0001
Identity(G1)	1	1.4751580	1079	1079	383.82	>= <.0001
Identity(G2)	1	0.0671078	2	2	0.79	>= 0.3731
Identity(G3)	1	0.0351556	1	1	0.22	>= 0.6403
Identity(G4)	1	-0.0149119	0	0	0.04	>= 0.8431
Identity(G5)	1	-0.0748752	3	3	0.99	>= 0.3203
Identity(G6)	1	-0.0871160	4	4	1.34	>= 0.2471
Identity(G7)	1	1.4229394	1001	1001	355.81	>= <.0001
Identity(G8)	1	-0.0838171	3	3	1.24	>= 0.2656
Identity(G9)	1	0.0258938	0	0	0.12	>= 0.7316
Identity(G10)	1	0.1763554	15	15	5.48	>= 0.0193
Identity(G11)	1	0.0943009	4	4	1.57	>= 0.2102
Identity(G12)	1	-0.0107862	0	0	0.02	>= 0.8861
Identity(G13)	1	1.4160316	988	988	351.14	>= <.0001
Identity(G14)	1	0.0327208	1	1	0.19	>= 0.6640
Identity(G15)	1	0.0178433	0	0	0.06	>= 0.8128

The above statistics are not adjusted for the fact that the dependent variable was transformed and so are generally liberal.

The REG Procedure
Model: MODEL1
Dependent Variable: DV

Number of Observations Read	2000
Number of Observations Used	2000

Stepwise Selection: Step 1

Variable g1g13 Entered: R-Square = 0.2465 and C(p) = 4793.413

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	3210.77954	3210.77954	653.68	<.0001
Error	1998	9813.91425	4.91187		
Corrected Total	1999	13025			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	100.30804	0.05792	14730333	2998926	<.0001
g1g13	2.86067	0.11189	3210.77954	653.68	<.0001

Bounds on condition number: 1, 1

Stepwise Selection: Step 2

Variable E3 Entered: R-Square = 0.4342 and C(p) = 3104.301

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	5655.23657	2827.61828	766.24	<.0001
Error	1997	7369.45722	3.69026		
Corrected Total	1999	13025			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	100.33723	0.05022	14731391	3991961	<.0001
E3	1.13781	0.04421	2444.45702	662.41	<.0001
g1g13	2.83399	0.09699	3150.81436	853.82	<.0001

Bounds on condition number: 1.0001, 4.0005

The REG Procedure
Model: MODEL1
Dependent Variable: DV

Stepwise Selection: Step 3

Variable g1g7 Entered: R-Square = 0.5494 and C(p) = 2068.479

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	7155.38018	2385.12673	811.12	<.0001
Error	1996	5869.31361	2.94054		
Corrected Total	1999	13025			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	99.98290	0.04749	13031692	4431738	<.0001
E3	1.16379	0.03948	2555.16521	868.94	<.0001
g1g7	2.10407	0.09316	1500.14361	510.16	<.0001
g1g13	2.09708	0.09252	1510.72612	513.76	<.0001

Bounds on condition number: 1.1426, 9.8572

Stepwise Selection: Step 4

Variable E5 Entered: R-Square = 0.6153 and C(p) = 1476.113

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	8014.52110	2003.63027	797.83	<.0001
Error	1995	5010.17269	2.51136		
Corrected Total	1999	13025			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	100.00249	0.04390	13029215	5188102	<.0001
E3	1.17223	0.03649	2591.96226	1032.09	<.0001
E5	0.65217	0.03526	859.14092	342.10	<.0001
g1g7	2.10536	0.08609	1501.97110	598.07	<.0001
g1g13	2.09398	0.08550	1506.26411	599.78	<.0001

Bounds on condition number: 1.1426, 17.144

The REG Procedure
Model: MODEL1
Dependent Variable: DV

Stepwise Selection: Step 5

Variable g7g13 Entered: R-Square = 0.6802 and C(p) = 893.8298

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	8859.08641	1771.81728	848.14	<.0001
Error	1994	4165.60738	2.08907		
Corrected Total	1999	13025			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	99.78047	0.04154	12054816	5770420	<.0001
E3	1.18157	0.03328	2632.91834	1260.33	<.0001
E5	0.66556	0.03217	894.40381	428.13	<.0001
g1g7	1.68771	0.08122	902.04230	431.79	<.0001
g1g13	1.70250	0.08038	937.27665	448.66	<.0001
g7g13	1.60122	0.07964	844.56532	404.28	<.0001

Bounds on condition number: 1.2226, 28.214

Stepwise Selection: Step 6

Variable E2 Entered: R-Square = 0.7374 and C(p) = 379.8206

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	6	9604.96385	1600.82731	932.95	<.0001
Error	1993	3419.72994	1.71587		
Corrected Total	1999	13025			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	99.80196	0.03766	12050975	7023243	<.0001
E2	0.63329	0.03037	745.87744	434.69	<.0001
E3	1.19560	0.03017	2694.49709	1570.34	<.0001
E5	0.66931	0.02915	904.46483	527.12	<.0001
g1g7	1.67360	0.07361	886.95118	516.91	<.0001
g1g13	1.64065	0.07290	868.97293	506.43	<.0001
g7g13	1.56500	0.07219	806.31743	469.92	<.0001

The REG Procedure
Model: MODEL1
Dependent Variable: DV

Stepwise Selection: Step 6

Bounds on condition number: 1.2227, 39.905

Stepwise Selection: Step 7

Variable G7 Entered: R-Square = 0.7450 and C(p) = 313.2780

Analysis of Variance					
Source	**DF**	**Sum of Squares**	**Mean Square**	**F Value**	**Pr > F**
Model	7	9704.04024	1386.29146	831.61	<.0001
Error	1992	3320.65355	1.66699		
Corrected Total	1999	13025			

Variable	**Parameter Estimate**	**Standard Error**	**Type II SS**	**F Value**	**Pr > F**
Intercept	100.02079	0.04673	7637594	4581655	<.0001
E2	0.64192	0.02996	765.28286	459.08	<.0001
E3	1.18937	0.02975	2664.51431	1598.39	<.0001
E5	0.65796	0.02877	871.76518	522.96	<.0001
G7	-0.72405	0.09392	99.07639	59.43	<.0001
g1g7	2.10235	0.09142	881.62157	528.87	<.0001
g1g13	1.34874	0.08122	459.63098	275.72	<.0001
g7g13	1.99886	0.09072	809.21150	485.43	<.0001

Bounds on condition number: 2.6436, 77.765

Stepwise Selection: Step 8

Variable G1 Entered: R-Square = 0.7572 and C(p) = 205.7058

Analysis of Variance					
Source	**DF**	**Sum of Squares**	**Mean Square**	**F Value**	**Pr > F**
Model	8	9862.42389	1232.80299	776.19	<.0001
Error	1991	3162.26990	1.58828		
Corrected Total	1999	13025			

The REG Procedure
Model: MODEL1
Dependent Variable: DV

Stepwise Selection: Step 8

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	100.37026	0.05749	4841158	3048047	<.0001
E2	0.63812	0.02925	756.12472	476.06	<.0001
E3	1.18804	0.02904	2658.49232	1673.82	<.0001
E5	0.66046	0.02809	878.33630	553.01	<.0001
G1	-0.94165	0.09430	158.38365	99.72	<.0001
G7	-0.94397	0.09428	159.21476	100.24	<.0001
g1g7	2.79159	0.11281	972.57413	612.34	<.0001
g1g13	1.82371	0.09246	617.95835	389.07	<.0001
g7g13	1.75640	0.09182	581.12144	365.88	<.0001

Bounds on condition number: 3.1024, 127.43

Stepwise Selection: Step 9

Variable G13 Entered: R-Square = 0.7792 and C(p) = 9.3312

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	9	10149	1127.68545	780.41	<.0001
Error	1990	2875.52472	1.44499		
Corrected Total	1999	13025			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	101.10880	0.07587	2566581	1776196	<.0001
E2	0.64330	0.02790	768.30338	531.70	<.0001
E3	1.18839	0.02770	2660.08208	1840.90	<.0001
E5	0.66495	0.02679	890.19625	616.06	<.0001
G1	-1.43914	0.09663	320.53046	221.82	<.0001
G7	-1.44342	0.09667	322.18521	222.97	<.0001
G13	-1.33511	0.09478	286.74518	198.44	<.0001
g1g7	2.82304	0.10763	994.18036	688.02	<.0001
g1g13	2.70007	0.10792	904.46106	625.93	<.0001
g7g13	2.64336	0.10787	867.76306	600.53	<.0001

The REG Procedure
Model: MODEL1
Dependent Variable: DV

Stepwise Selection: Step 9

Bounds on condition number: 3.2308, 198.26

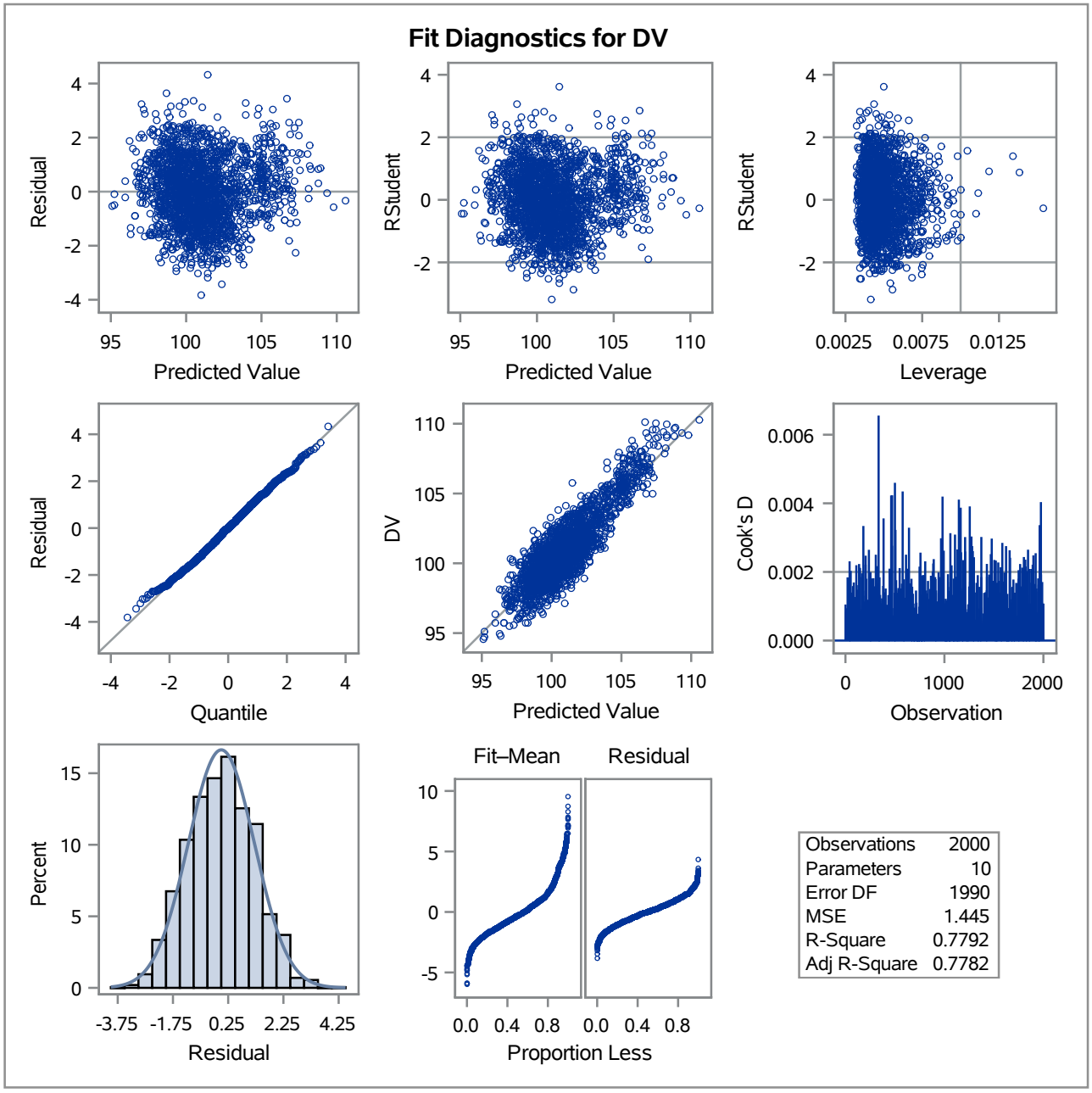
All variables left in the model are significant at the 0.0100 level.

No other variable met the 0.0100 significance level for entry into the model.

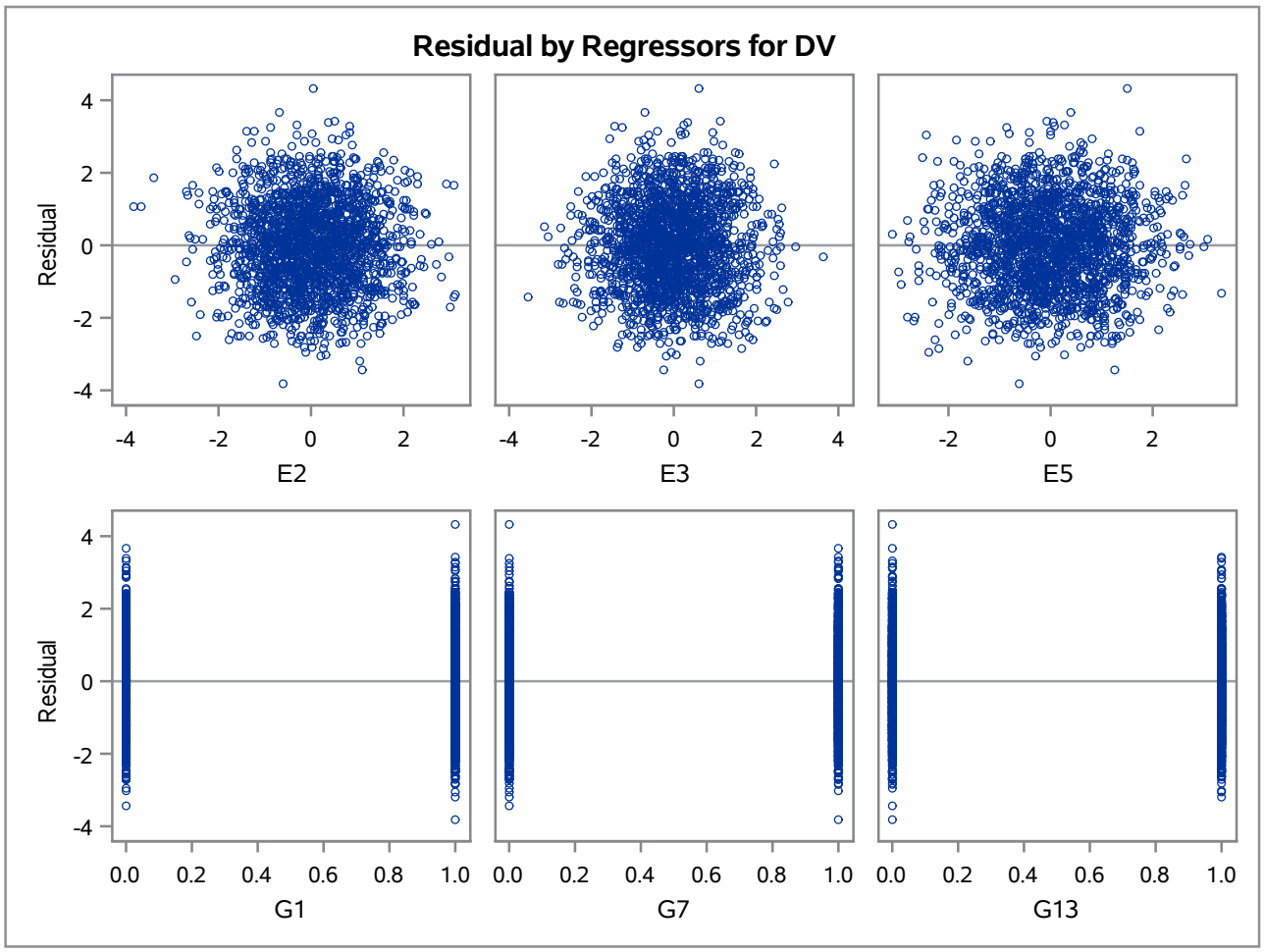
Summary of Stepwise Selection

Step	Variable Entered	Variable Removed	Number Vars In	Partial R-Square	Model R-Square	C(p)	F Value	Pr > F
1	g1g13		1	0.2465	0.2465	4793.41	653.68	<.0001
2	E3		2	0.1877	0.4342	3104.30	662.41	<.0001
3	g1g7		3	0.1152	0.5494	2068.48	510.16	<.0001
4	E5		4	0.0660	0.6153	1476.11	342.10	<.0001
5	g7g13		5	0.0648	0.6802	893.830	404.28	<.0001
6	E2		6	0.0573	0.7374	379.821	434.69	<.0001
7	G7		7	0.0076	0.7450	313.278	59.43	<.0001
8	G1		8	0.0122	0.7572	205.706	99.72	<.0001
9	G13		9	0.0220	0.7792	9.3312	198.44	<.0001

The REG Procedure
Model: MODEL1
Dependent Variable: DV



The REG Procedure
Model: MODEL1
Dependent Variable: DV



The REG Procedure
Model: MODEL1
Dependent Variable: DV