The REG Procedure
Model: MODEL1
Dependent Variable: y

Number of Observations Read	252
Number of Observations Used	252

Stepwise Selection: Step 1

Statistics for Entry DF = 1,250				
Variable	Tolerance	Model R-Square	F Value	Pr > F
x1	1.000000	0.0849	23.21	<.0001
x2	1.000000	0.3751	150.03	<.0001
x3	1.000000	0.0080	2.02	0.1566
x4	1.000000	0.2407	79.24	<.0001
x5	1.000000	0.4937	243.75	<.0001
x6	1.000000	0.6617	488.93	<.0001
x7	1.000000	0.3909	160.43	<.0001
x8	1.000000	0.3132	113.99	<.0001
x9	1.000000	0.2587	87.26	<.0001
x10	1.000000	0.0707	19.03	<.0001
x11	1.000000	0.2433	80.39	<.0001
x12	1.000000	0.1306	37.55	<.0001
x13	1.000000	0.1201	34.13	<.0001

Variable x6 Entered: R-Square = 0.6617 and C(p) = 72.8688

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	11632	11632	488.93	<.0001
Error	250	5947.46303	23.78985		
Corrected Total	251	17579			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-39.28018	2.66034	5186.39377	218.01	<.0001
x6	0.63130	0.02855	11632	488.93	<.0001

Bounds on condition number: 1, 1

Stepwise Selection: Step 2

Statistics for Entry DF = 1,249				
Variable	Tolerance	Model R-Square	F Value	Pr > F
x1	0.946912	0.6731	8.71	0.0035
x2	0.211465	0.7188	50.58	<.0001
x3	0.992289	0.6878	20.81	<.0001
x4	0.431367	0.6966	28.69	<.0001
x5	0.161260	0.6728	8.46	0.0040
x7	0.236008	0.6929	25.28	<.0001
x8	0.412288	0.6716	7.53	0.0065

Statistics for Entry DF = 1,249				
Variable	Tolerance	Model R-Square	F Value	Pr > F
x9	0.456567	0.6798	14.10	0.0002
x10	0.794589	0.6749	10.17	0.0016
x11	0.530799	0.6694	5.80	0.0168
x12	0.746673	0.6648	2.29	0.1311
x13	0.615808	0.7020	33.71	<.0001

Variable x2 Entered: R-Square = 0.7188 and C(p) = 20.6907

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	12636	6317.87229	318.24	<.0001
Error	249	4943.24526	19.85239		
Corrected Total	251	17579			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-45.95237	2.60501	6177.44666	311.17	<.0001
x2	-0.14800	0.02081	1004.21778	50.58	<.0001
x6	0.98950	0.05672	6042.72844	304.38	<.0001

Bounds on condition number: 4.7289, 18.916

Stepwise Selection: Step 3

Statistics for Removal DF = 1,249				
Variable	Partial R-Square	Model R-Square	F Value	Pr > F
x2	0.0571	0.6617	50.58	<.0001
x6	0.3437	0.3751	304.38	<.0001

Statistics for Entry DF = 1,248				
Variable	Tolerance	Model R-Square	F Value	Pr > F
x1	0.723516	0.7189	0.10	0.7554
x3	0.741474	0.7211	2.04	0.1547
x4	0.308638	0.7237	4.44	0.0361
x5	0.130279	0.7188	0.00	0.9820
x7	0.107704	0.7188	0.00	0.9870
x8	0.245264	0.7234	4.15	0.0427
x9	0.270132	0.7194	0.49	0.4852
x10	0.583602	0.7189	0.08	0.7831
x11	0.356191	0.7224	3.24	0.0729
x12	0.587684	0.7226	3.40	0.0664
x13	0.463667	0.7277	8.15	0.0047

Variable x13 Entered: R-Square = 0.7277 and C(p) = 14.2102

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	12793	4264.31187	220.96	<.0001
Error	248	4786.05422	19.29861		
Corrected Total	251	17579			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-27.92992	6.81719	323.93210	16.79	<.0001
x2	-0.11446	0.02364	452.23285	23.43	<.0001
x6	0.97513	0.05615	5821.20750	301.64	<.0001
x13	-1.24486	0.43618	157.19103	8.15	0.0047

Bounds on condition number: 6.2806, 39.614

Stepwise Selection: Step 4

Statistics for Removal DF = 1,248				
Variable	Partial R-Square	Model R-Square	F Value	Pr > F
x2	0.0257	0.7020	23.43	<.0001
x6	0.3311	0.3966	301.64	<.0001
x13	0.0089	0.7188	8.15	0.0047

Statistics for Entry DF = 1,247				
Variable	Tolerance	Model R-Square	F Value	Pr > F
x1	0.583195	0.7289	1.10	0.2961
x3	0.730202	0.7291	1.21	0.2716
x4	0.265895	0.7292	1.31	0.2541
x5	0.129052	0.7278	0.06	0.7992
x7	0.102006	0.7283	0.48	0.4903
x8	0.232839	0.7300	2.11	0.1480
x9	0.266824	0.7289	1.06	0.3031
x10	0.559319	0.7286	0.78	0.3795
x11	0.351908	0.7328	4.67	0.0317
x12	0.557608	0.7350	6.78	0.0098

Variable x12 Entered: R-Square = 0.7350 and C(p) = 9.3143

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	12921	3230.18852	171.28	<.0001
Error	247	4658.23577	18.85925		
Corrected Total	251	17579			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-34.85407	7.24500	436.46987	23.14	<.0001
x2	-0.13563	0.02475	566.43299	30.03	<.0001
x6	0.99575	0.05607	5948.85562	315.43	<.0001

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
x12	0.47293	0.18166	127.81846	6.78	0.0098
x13	-1.50556	0.44267	218.15750	11.57	0.0008

Bounds on condition number: 7.0408, 63.886

Stepwise Selection: Step 5

Statistics for Removal DF = 1,247				
Variable	Partial R-Square	Model R-Square	F Value	Pr > F
x2	0.0322	0.7028	30.03	<.0001
x6	0.3384	0.3966	315.43	<.0001
x12	0.0073	0.7277	6.78	0.0098
x13	0.0124	0.7226	11.57	0.0008

Statistics for Entry DF = 1,246				
Variable	Tolerance	Model R-Square	F Value	Pr > F
x1	0.572416	0.7372	2.04	0.1542
x3	0.728172	0.7360	0.96	0.3289
x4	0.257460	0.7379	2.73	0.1000
x5	0.125742	0.7350	0.03	0.8725
x7	0.100916	0.7352	0.19	0.6661
x8	0.230335	0.7366	1.45	0.2304
x9	0.266811	0.7361	1.05	0.3061
x10	0.558656	0.7360	0.96	0.3275
x11	0.308528	0.7369	1.80	0.1807

Variable x4 Entered: R-Square = 0.7379 and C(p) = 8.5593

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	12972	2594.36409	138.53	<.0001
Error	246	4607.16939	18.72833		
Corrected Total	251	17579			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-30.65358	7.65484	300.32322	16.04	<.0001
x2	-0.12280	0.02586	422.39317	22.55	<.0001
x4	-0.36568	0.22146	51.06638	2.73	0.1000
x6	1.00784	0.05635	5991.28456	319.90	<.0001
x12	0.52703	0.18397	153.70207	8.21	0.0045
x13	-1.24628	0.46824	132.67837	7.08	0.0083

Bounds on condition number: 7.7398, 104.92

Stepwise Selection: Step 6

Statistics for Removal DF = 1,246				
Variable	Partial R-Square	Model R-Square	F Value	Pr > F
x2	0.0240	0.7139	22.55	<.0001
x4	0.0029	0.7350	2.73	0.1000
x6	0.3408	0.3971	319.90	<.0001
x12	0.0087	0.7292	8.21	0.0045
x13	0.0075	0.7304	7.08	0.0083

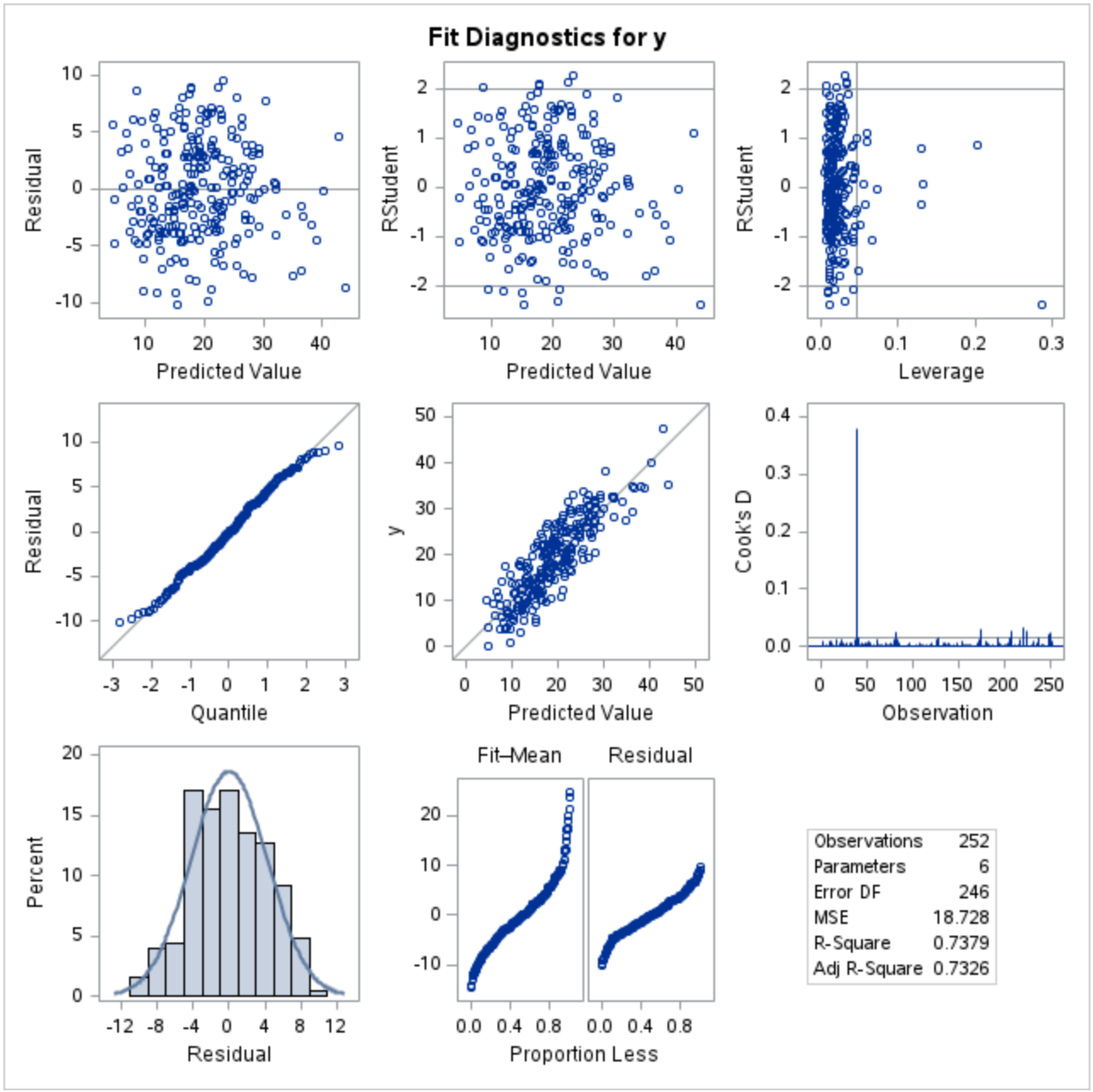
Statistics for Entry DF = 1,245				
Variable	Tolerance	Model R-Square	F Value	Pr > F
x1	0.566975	0.7406	2.58	0.1098
x3	0.728042	0.7390	1.01	0.3165
x5	0.124182	0.7379	0.00	0.9820
x7	0.097182	0.7385	0.59	0.4447
x8	0.230138	0.7393	1.34	0.2478
x9	0.258240	0.7385	0.55	0.4574
x10	0.547059	0.7385	0.57	0.4516
x11	0.303614	0.7405	2.47	0.1176

All variables left in the model are significant at the 0.1000 level.

No other variable met the 0.1000 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	x6		1	0.6617	0.6617	72.8688	488.93	<.0001
2	x2		2	0.0571	0.7188	20.6907	50.58	<.0001
3	x13		3	0.0089	0.7277	14.2102	8.15	0.0047
4	x12		4	0.0073	0.7350	9.3143	6.78	0.0098
5	x4		5	0.0029	0.7379	8.5593	2.73	0.1000

The REG Procedure
Model: MODEL1
Dependent Variable: y


Fit Diagnostics for y
Residual
Predicted Value
RStudent
Predicted Value
RStudent
Leverage
Residual
Quantile
y
Predicted Value
Cook's D
Observation
Percent
Residual
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Proportion Less
Observations 252
Parameters 6
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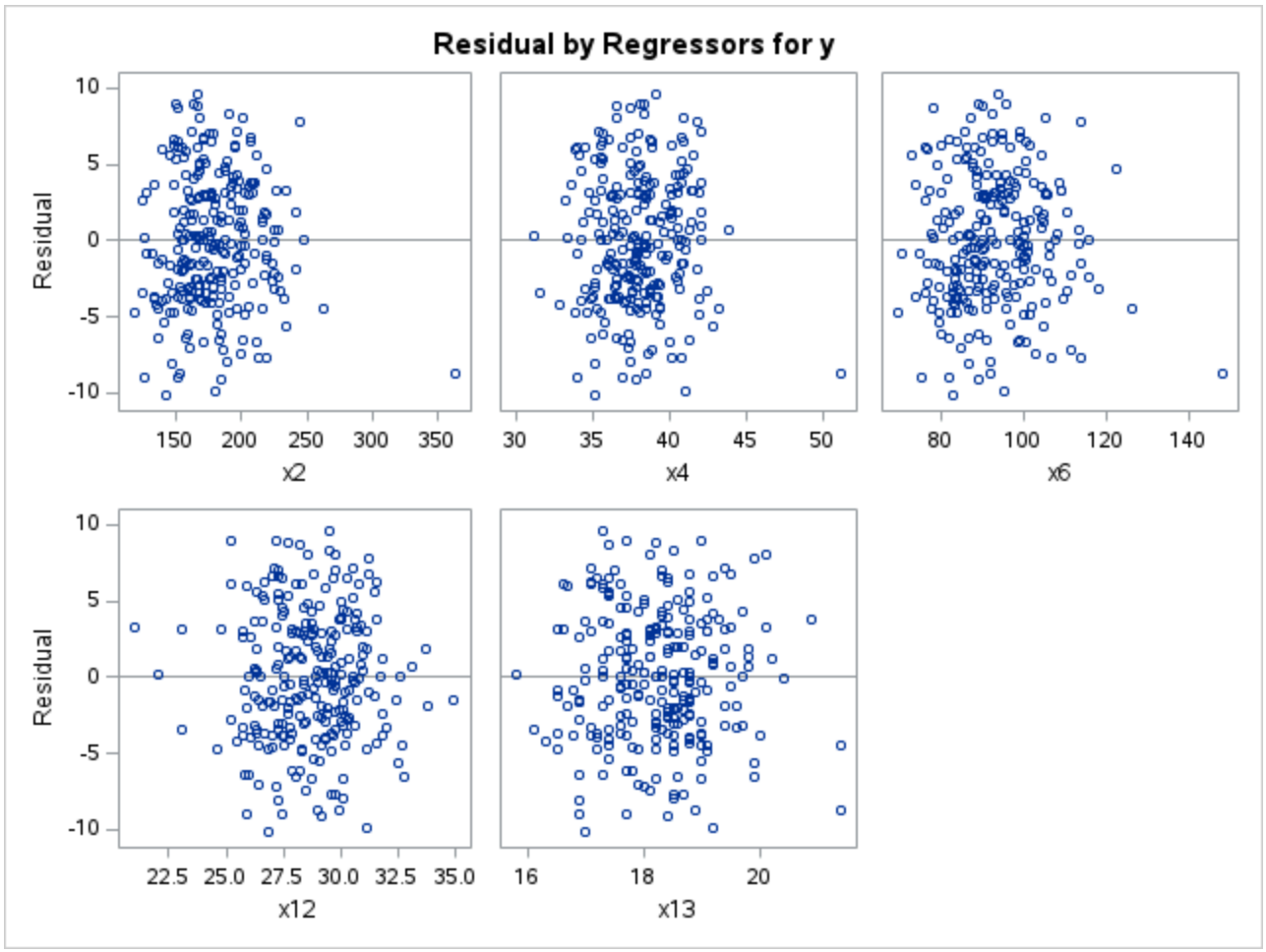
MSE 18.728
R-Square 0.7379
Adj R-Square 0.7326



The REG Procedure
Model: MODEL1
Dependent Variable: y

Number of Observations Read	252
Number of Observations Used	252

Backward Elimination: Step 0

All Variables Entered: R-Square = 0.7490 and C(p) = 14.0000

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	13	13168	1012.88783	54.65	<.0001
Error	238	4411.44804	18.53550		
Corrected Total	251	17579			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-18.18849	17.34857	20.37371	1.10	0.2955
x1	0.06208	0.03235	68.26066	3.68	0.0562
x2	-0.08844	0.05353	50.60878	2.73	0.0998
x3	-0.06959	0.09601	9.73876	0.53	0.4693
x4	-0.47060	0.23247	75.95988	4.10	0.0440

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
x5	-0.02386	0.09915	1.07384	0.06	0.8100
x6	0.95477	0.08645	2260.95194	121.98	<.0001
x7	-0.20754	0.14591	37.50081	2.02	0.1562
x8	0.23610	0.14436	49.58101	2.67	0.1033
x9	0.01528	0.24198	0.07392	0.00	0.9497
x10	0.17400	0.22147	11.44101	0.62	0.4329
x11	0.18160	0.17113	20.87466	1.13	0.2897
x12	0.45202	0.19913	95.51252	5.15	0.0241
x13	-1.62064	0.53495	170.12053	9.18	0.0027

Bounds on condition number: 33.509, 1316.5

Backward Elimination: Step 1

Statistics for Removal DF = 1,238				
Variable	Partial R-Square	Model R-Square	F Value	Pr > F
x1	0.0039	0.7452	3.68	0.0562
x2	0.0029	0.7462	2.73	0.0998
x3	0.0006	0.7485	0.53	0.4693
x4	0.0043	0.7447	4.10	0.0440
x5	0.0001	0.7490	0.06	0.8100
x6	0.1286	0.6204	121.98	<.0001
x7	0.0021	0.7469	2.02	0.1562
x8	0.0028	0.7462	2.67	0.1033
x9	0.0000	0.7490	0.00	0.9497
x10	0.0007	0.7484	0.62	0.4329
x11	0.0012	0.7479	1.13	0.2897
x12	0.0054	0.7436	5.15	0.0241
x13	0.0097	0.7394	9.18	0.0027

Variable x9 Removed: R-Square = 0.7490 and C(p) = 12.0040

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	12	13167	1097.28899	59.45	<.0001
Error	239	4411.52196	18.45825		
Corrected Total	251	17579			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-17.93443	16.84048	20.93422	1.13	0.2880
x1	0.06259	0.03125	74.06240	4.01	0.0463
x2	-0.08758	0.05165	53.07742	2.88	0.0912
x3	-0.06907	0.09545	9.66485	0.52	0.4700
x4	-0.47281	0.22935	78.44482	4.25	0.0403
x5	-0.02442	0.09855	1.13294	0.06	0.8045
x6	0.95440	0.08606	2269.87914	122.97	<.0001
x7	-0.20715	0.14547	37.42696	2.03	0.1558
x8	0.23863	0.13839	54.88022	2.97	0.0859

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
x10	0.17634	0.21788	12.09062	0.66	0.4191
x11	0.18078	0.17027	20.80672	1.13	0.2894
x12	0.45315	0.19791	96.76936	5.24	0.0229
x13	-1.61811	0.53233	170.54847	9.24	0.0026

Bounds on condition number: 31.331, 1120.3

Backward Elimination: Step 2

Statistics for Removal DF = 1,239				
Variable	Partial R-Square	Model R-Square	F Value	Pr > F
x1	0.0042	0.7448	4.01	0.0463
x2	0.0030	0.7460	2.88	0.0912
x3	0.0005	0.7485	0.52	0.4700
x4	0.0045	0.7446	4.25	0.0403
x5	0.0001	0.7490	0.06	0.8045
x6	0.1291	0.6199	122.97	<.0001
x7	0.0021	0.7469	2.03	0.1558
x8	0.0031	0.7459	2.97	0.0859
x10	0.0007	0.7484	0.66	0.4191
x11	0.0012	0.7479	1.13	0.2894
x12	0.0055	0.7435	5.24	0.0229
x13	0.0097	0.7393	9.24	0.0026

Variable x5 Removed: R-Square = 0.7490 and C(p) = 10.0651

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	11	13166	1196.93954	65.10	<.0001
Error	240	4412.65491	18.38606		
Corrected Total	251	17579			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-19.69261	15.24228	30.68989	1.67	0.1976
x1	0.06249	0.03118	73.83833	4.02	0.0462
x2	-0.09271	0.04723	70.84239	3.85	0.0508
x3	-0.06378	0.09285	8.67544	0.47	0.4928
x4	-0.47542	0.22866	79.48325	4.32	0.0387
x6	0.94421	0.07545	2879.44266	156.61	<.0001
x7	-0.20044	0.14265	36.29968	1.97	0.1613
x8	0.24515	0.13560	60.08918	3.27	0.0719
x10	0.17850	0.21728	12.40888	0.67	0.4122
x11	0.17708	0.16928	20.11936	1.09	0.2966
x12	0.44770	0.19630	95.63728	5.20	0.0234
x13	-1.61491	0.53113	169.97561	9.24	0.0026

Bounds on condition number: 26.303, 828.83

Backward Elimination: Step 3

Statistics for Removal DF = 1,240				
Variable	Partial R-Square	Model R-Square	F Value	Pr > F
x1	0.0042	0.7448	4.02	0.0462
x2	0.0040	0.7450	3.85	0.0508
x3	0.0005	0.7485	0.47	0.4928
x4	0.0045	0.7445	4.32	0.0387
x6	0.1638	0.5852	156.61	<.0001
x7	0.0021	0.7469	1.97	0.1613
x8	0.0034	0.7456	3.27	0.0719
x10	0.0007	0.7483	0.67	0.4122
x11	0.0011	0.7478	1.09	0.2966
x12	0.0054	0.7435	5.20	0.0234
x13	0.0097	0.7393	9.24	0.0026

Variable x3 Removed: R-Square = 0.7485 and C(p) = 8.5332

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	10	13158	1315.76595	71.72	<.0001
Error	241	4421.33035	18.34577		
Corrected Total	251	17579			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-25.99962	12.15316	83.96376	4.58	0.0334
x1	0.06509	0.03092	81.31425	4.43	0.0363
x2	-0.10740	0.04207	119.56769	6.52	0.0113
x4	-0.46749	0.22812	77.05006	4.20	0.0415
x6	0.95772	0.07276	3178.52750	173.26	<.0001
x7	-0.17912	0.13908	30.42960	1.66	0.1990
x8	0.25926	0.13389	68.78441	3.75	0.0540
x10	0.18453	0.21686	13.28232	0.72	0.3957
x11	0.18617	0.16858	22.37399	1.22	0.2705
x12	0.45303	0.19593	98.08072	5.35	0.0216
x13	-1.65666	0.52706	181.25142	9.88	0.0019

Bounds on condition number: 20.913, 668.17

Backward Elimination: Step 4

Statistics for Removal DF = 1,241				
Variable	Partial R-Square	Model R-Square	F Value	Pr > F
x1	0.0046	0.7439	4.43	0.0363
x2	0.0068	0.7417	6.52	0.0113
x4	0.0044	0.7441	4.20	0.0415
x6	0.1808	0.5677	173.26	<.0001
x7	0.0017	0.7468	1.66	0.1990
x8	0.0039	0.7446	3.75	0.0540
x10	0.0008	0.7477	0.72	0.3957

Statistics for Removal DF = 1,241				
Variable	Partial R-Square	Model R-Square	F Value	Pr > F
x11	0.0013	0.7472	1.22	0.2705
x12	0.0056	0.7429	5.35	0.0216
x13	0.0103	0.7382	9.88	0.0019

Variable x10 Removed: R-Square = 0.7477 and C(p) = 7.2497

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	9	13144	1460.48635	79.70	<.0001
Error	242	4434.61267	18.32485		
Corrected Total	251	17579			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-23.30499	11.72660	72.37592	3.95	0.0480
x1	0.06348	0.03084	77.63220	4.24	0.0406
x2	-0.09843	0.04070	107.15768	5.85	0.0163
x4	-0.49330	0.22596	87.33465	4.77	0.0300
x6	0.94926	0.07204	3182.03769	173.65	<.0001
x7	-0.18287	0.13893	31.74784	1.73	0.1893
x8	0.26538	0.13362	72.27892	3.94	0.0482
x11	0.17889	0.16827	20.71160	1.13	0.2888
x12	0.45150	0.19581	97.42537	5.32	0.0220
x13	-1.54208	0.50928	168.01400	9.17	0.0027

Bounds on condition number: 19.599, 568.41

Backward Elimination: Step 5

Statistics for Removal DF = 1,242				
Variable	Partial R-Square	Model R-Square	F Value	Pr > F
x1	0.0044	0.7433	4.24	0.0406
x2	0.0061	0.7416	5.85	0.0163
x4	0.0050	0.7428	4.77	0.0300
x6	0.1810	0.5667	173.65	<.0001
x7	0.0018	0.7459	1.73	0.1893
x8	0.0041	0.7436	3.94	0.0482
x11	0.0012	0.7466	1.13	0.2888
x12	0.0055	0.7422	5.32	0.0220
x13	0.0096	0.7382	9.17	0.0027

Variable x11 Removed: R-Square = 0.7466 and C(p) = 6.3671

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	13124	1640.45820	89.47	<.0001
Error	243	4455.32427	18.33467		

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Corrected Total	251	17579			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-22.65637	11.71385	68.58895	3.74	0.0543
x1	0.06578	0.03078	83.76085	4.57	0.0336
x2	-0.08985	0.03991	92.95274	5.07	0.0252
x4	-0.46656	0.22462	79.10377	4.31	0.0388
x6	0.94482	0.07193	3162.96118	172.51	<.0001
x7	-0.19543	0.13847	36.52435	1.99	0.1594
x8	0.30239	0.12904	100.68125	5.49	0.0199
x12	0.51572	0.18631	140.48590	7.66	0.0061
x13	-1.53665	0.50939	166.84922	9.10	0.0028

Bounds on condition number: 18.83, 463.99

Backward Elimination: Step 6

Statistics for Removal DF = 1,243				
Variable	Partial R-Square	Model R-Square	F Value	Pr > F
x1	0.0048	0.7418	4.57	0.0336
x2	0.0053	0.7413	5.07	0.0252
x4	0.0045	0.7421	4.31	0.0388
x6	0.1799	0.5666	172.51	<.0001
x7	0.0021	0.7445	1.99	0.1594
x8	0.0057	0.7408	5.49	0.0199
x12	0.0080	0.7386	7.66	0.0061
x13	0.0095	0.7371	9.10	0.0028

Variable x7 Removed: R-Square = 0.7445 and C(p) = 6.3377

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	7	13087	1869.59160	101.56	<.0001
Error	244	4491.84861	18.40922		
Corrected Total	251	17579			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-33.25799	9.00681	251.00658	13.63	0.0003
x1	0.06817	0.03079	90.22018	4.90	0.0278
x2	-0.11944	0.03403	226.84802	12.32	0.0005
x4	-0.40380	0.22062	61.67131	3.35	0.0684
x6	0.91788	0.06950	3211.14250	174.43	<.0001
x8	0.22196	0.11601	67.38659	3.66	0.0569
x12	0.55314	0.18479	164.95134	8.96	0.0030
x13	-1.53240	0.51041	165.93323	9.01	0.0030

Bounds on condition number: 13.634, 261.24

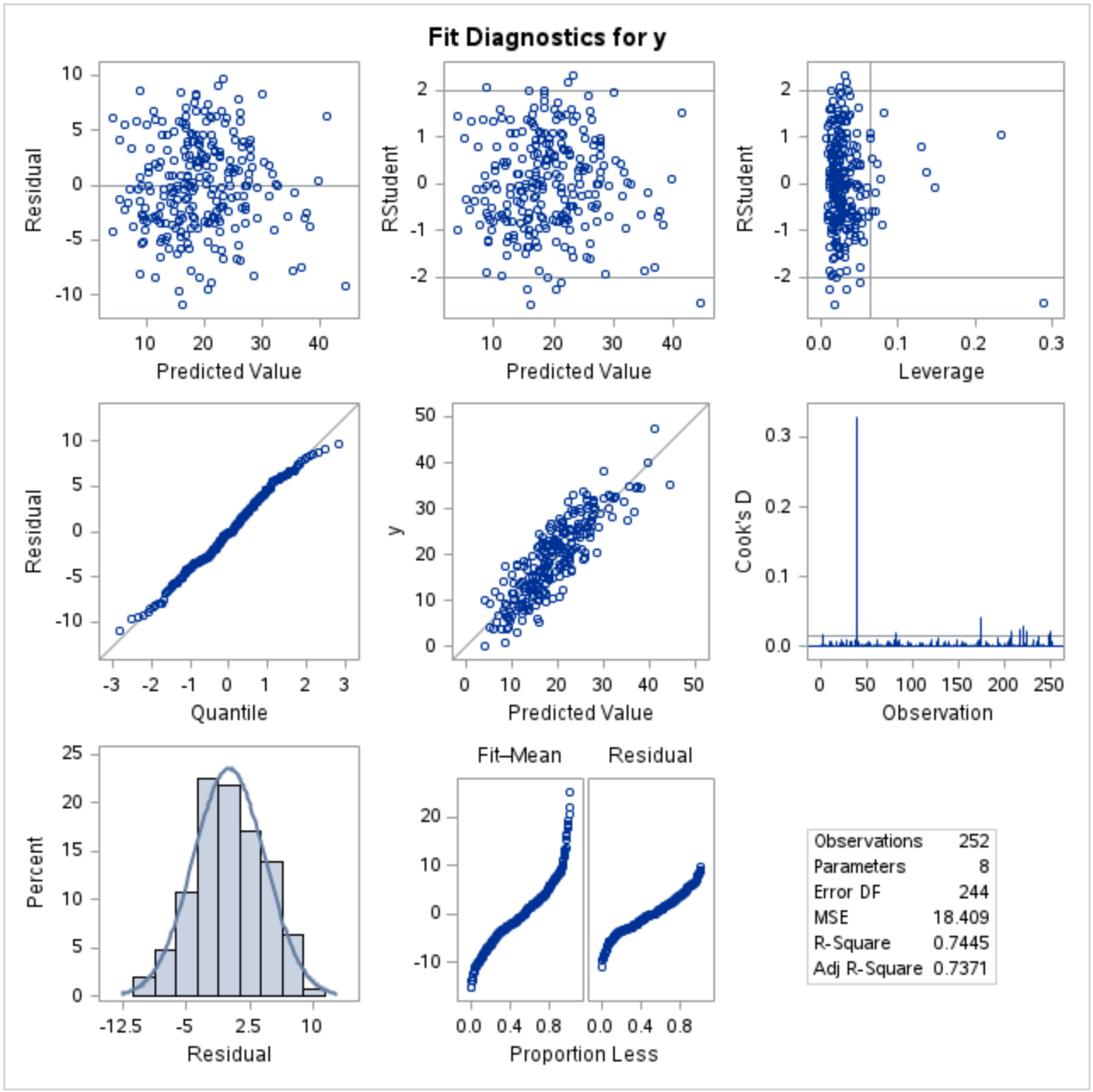
Backward Elimination: Step 7

Statistics for Removal DF = 1,244				
Variable	Partial R-Square	Model R-Square	F Value	Pr > F
x1	0.0051	0.7393	4.90	0.0278
x2	0.0129	0.7316	12.32	0.0005
x4	0.0035	0.7410	3.35	0.0684
x6	0.1827	0.5618	174.43	<.0001
x8	0.0038	0.7406	3.66	0.0569
x12	0.0094	0.7351	8.96	0.0030
x13	0.0094	0.7350	9.01	0.0030

All variables left in the model are significant at the 0.1000 level.

Summary of Backward Elimination							
Step	Variable Removed	Number Vars In	Partial R-Square	Model R-Square	C(p)	F Value	Pr > F
1	x9	12	0.0000	0.7490	12.0040	0.00	0.9497
2	x5	11	0.0001	0.7490	10.0651	0.06	0.8045
3	x3	10	0.0005	0.7485	8.5332	0.47	0.4928
4	x10	9	0.0008	0.7477	7.2497	0.72	0.3957
5	x11	8	0.0012	0.7466	6.3671	1.13	0.2888
6	x7	7	0.0021	0.7445	6.3377	1.99	0.1594

The REG Procedure
Model: MODEL1
Dependent Variable: y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Predicted Value
RStudent
Predicted Value
RStudent
Leverage
Residual
Quantile
y
Predicted Value
Cook's D
Observation
Percent
Residual
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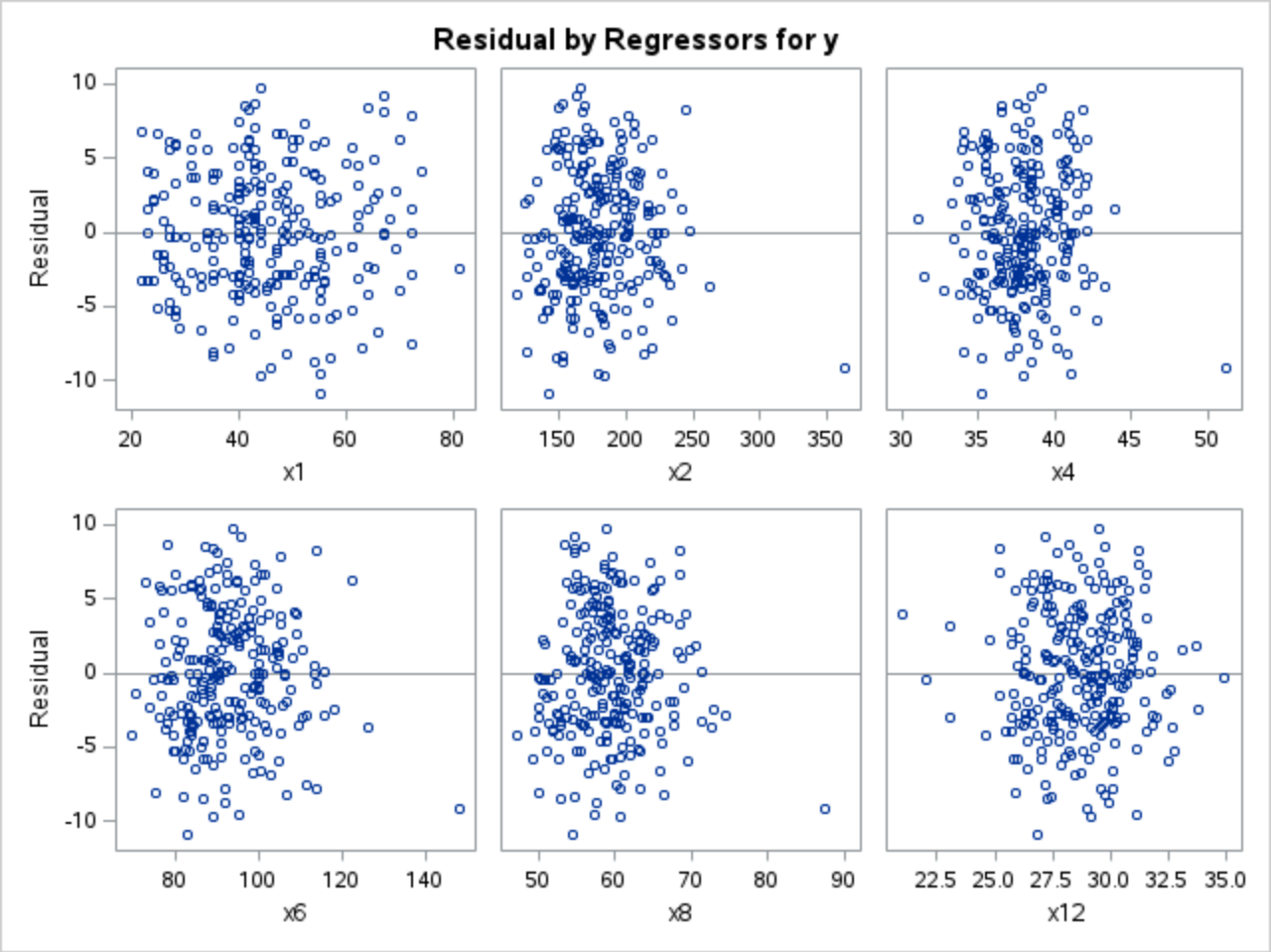
Residual
Proportion Less
Observations 252
Parameters 8
Error DF 244
MSE 18.409
R-Square 0.7445
Adj R-Square 0.7371


Residual by Regressors for y
Residual
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x1
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x2
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x4
80
100
120
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x6
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x8
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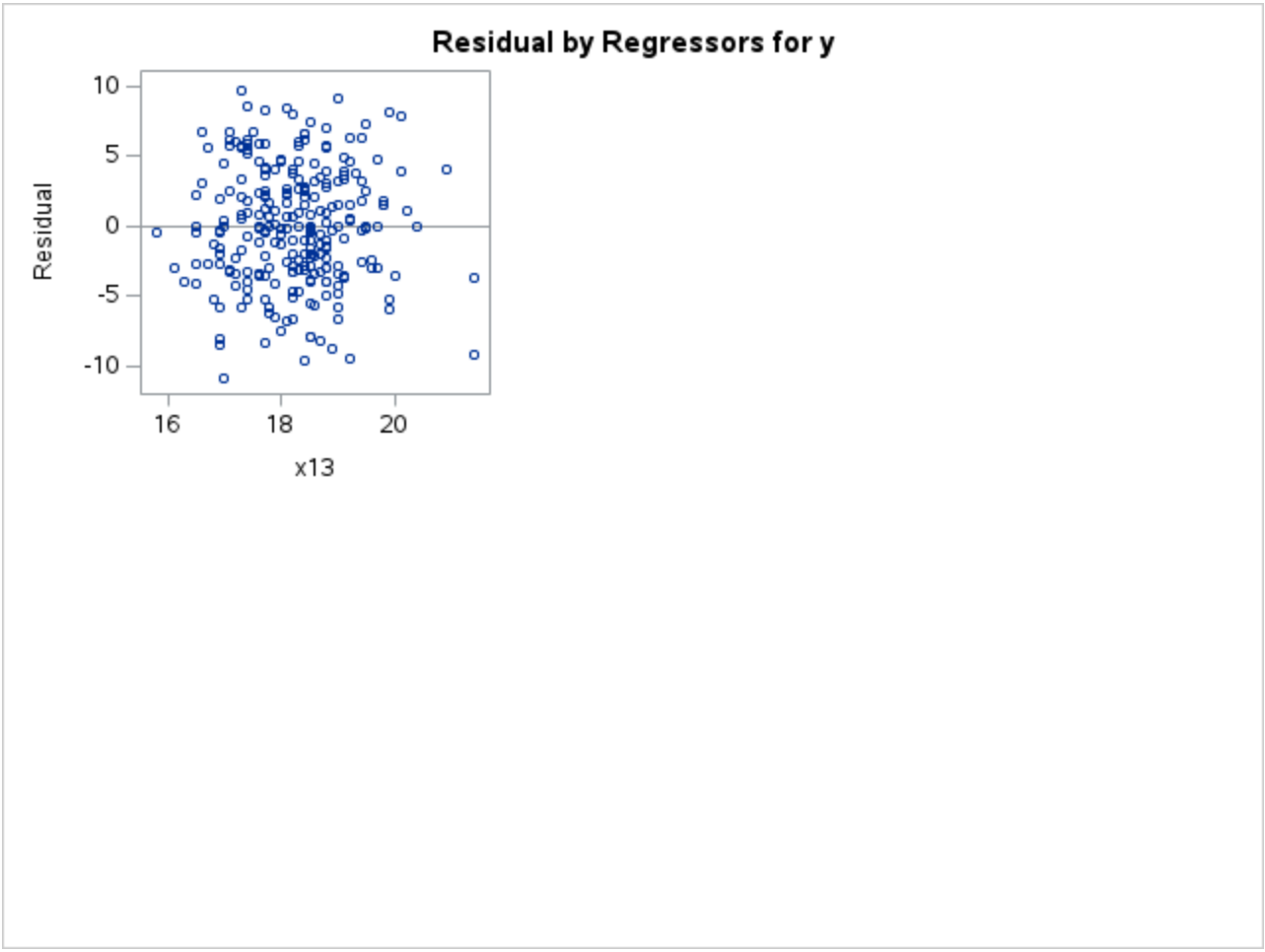
35.0
x12



The REG Procedure
Model: MODEL1
Dependent Variable: y

Number of Observations Read	252
Number of Observations Used	252

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	9210.64548	3070.21516	90.99	<.0001
Error	248	8368.34436	33.74332		
Corrected Total	251	17579			

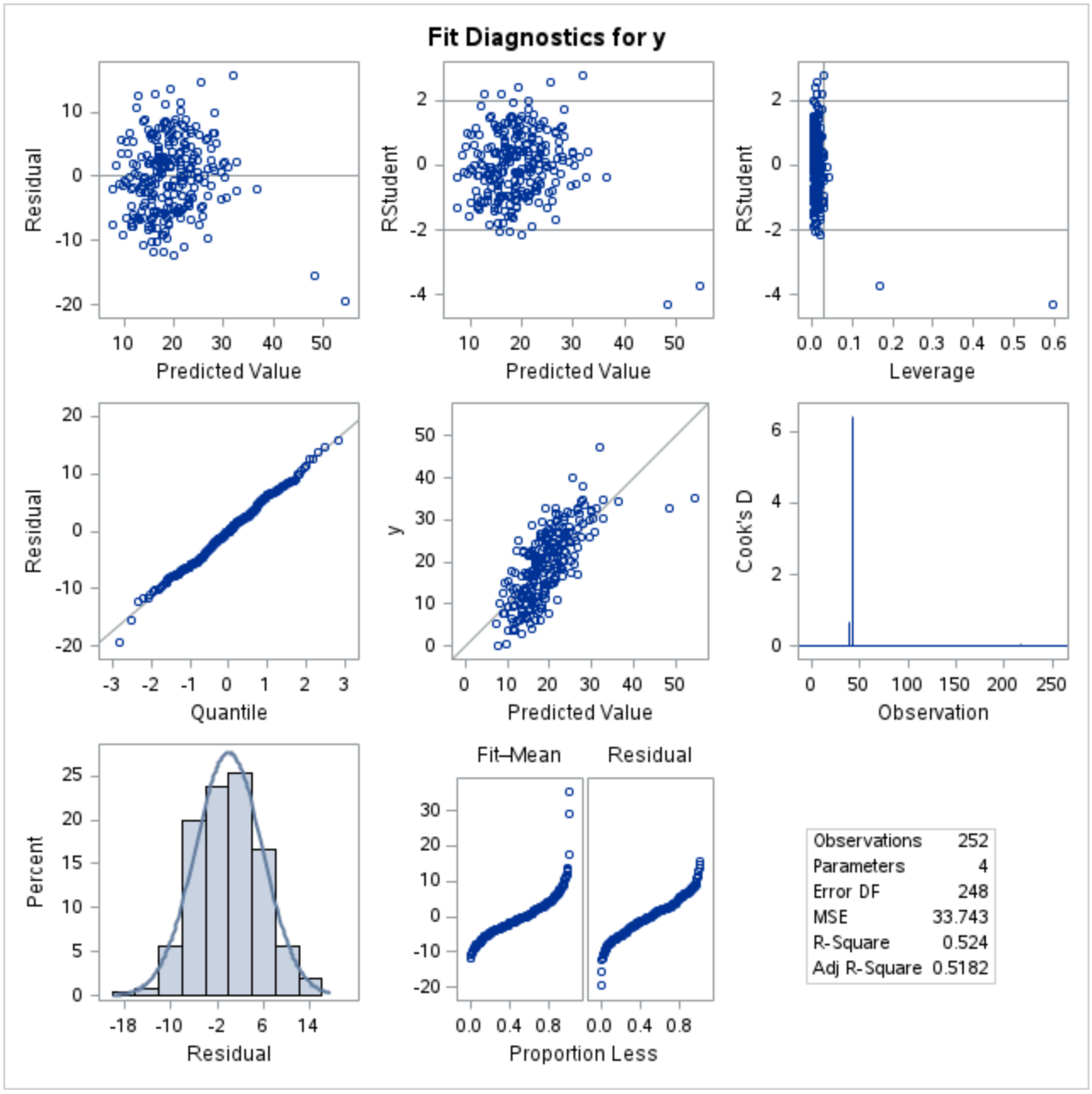
Root MSE	5.80890	**R-Square**	0.5240
Dependent Mean	19.15079	**Adj R-Sq**	0.5182
Coeff Var	30.33243		

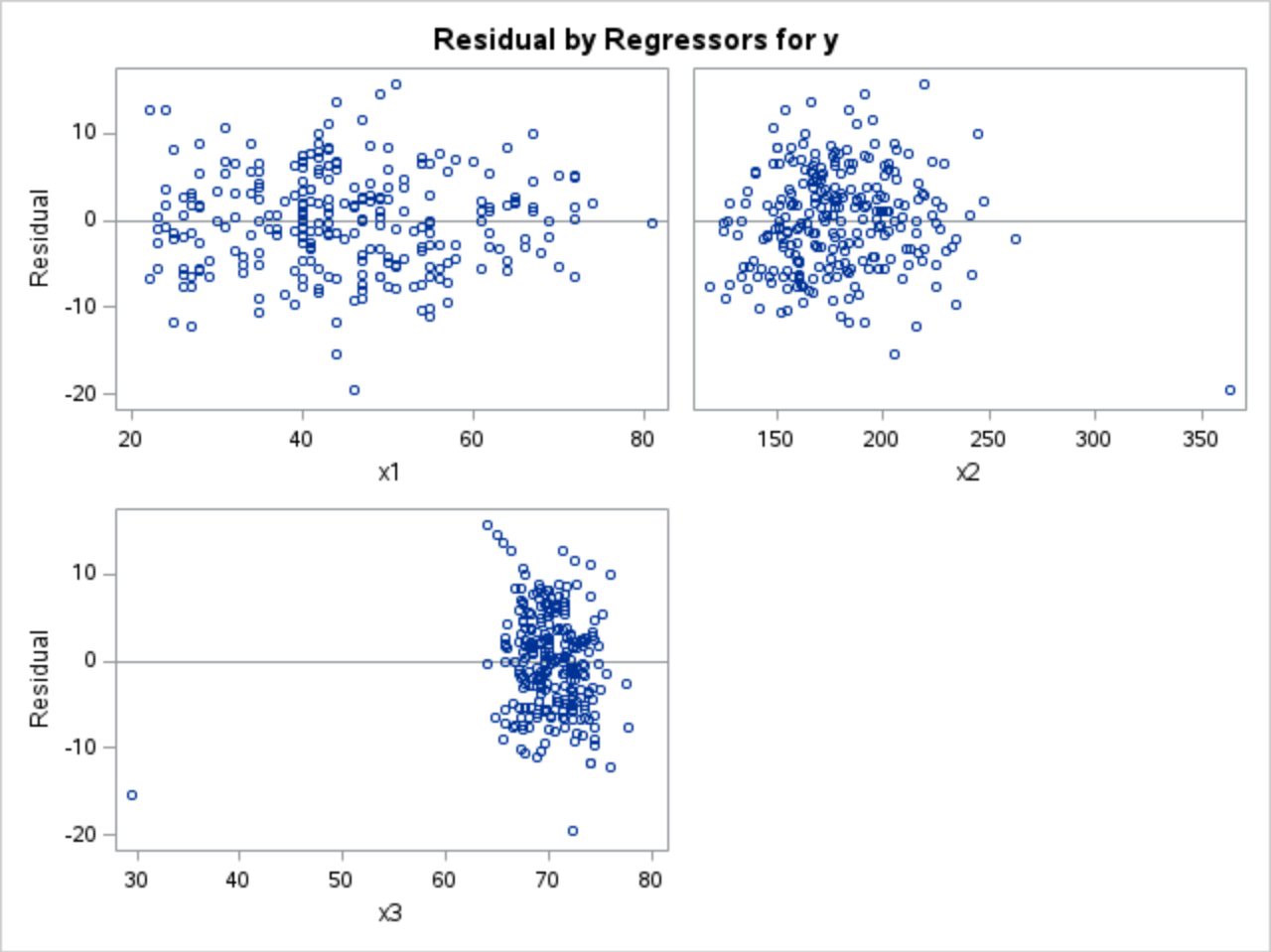
Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	17.76738	7.47935	2.38	0.0183
x1	1	0.16979	0.02956	5.74	<.0001
x2	1	0.19815	0.01313	15.10	<.0001

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
x3	1	-0.59433	0.10690	-5.56	<.0001

The REG Procedure
Model: MODEL1
Dependent Variable: y





The REG Procedure
Model: MODEL1
Dependent Variable: y

Number of Observations Read	252
Number of Observations Used	252

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	12972	2594.36409	138.53	<.0001
Error	246	4607.16939	18.72833		
Corrected Total	251	17579			

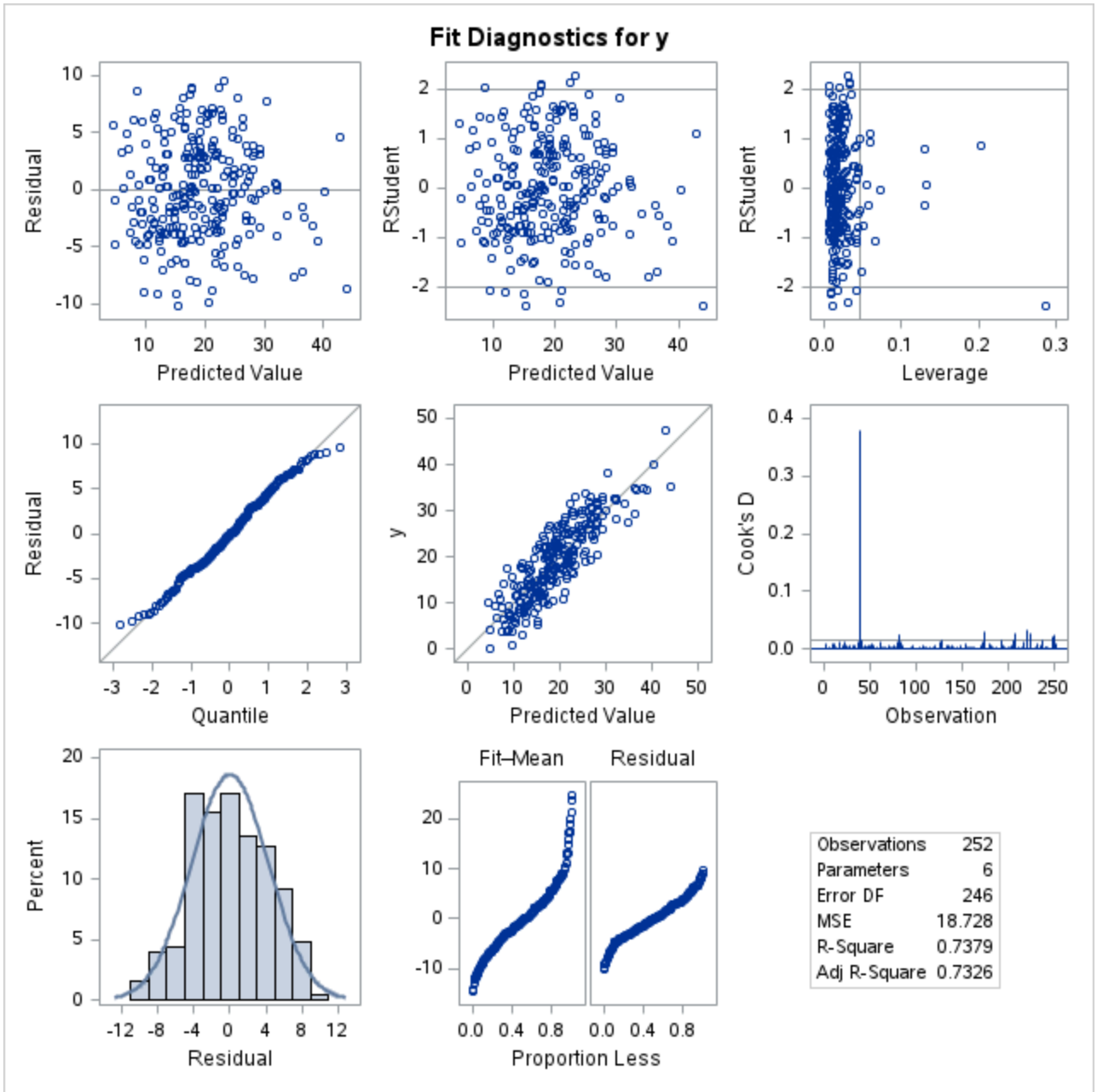
Root MSE	4.32762	**R-Square**	0.7379
Dependent Mean	19.15079	**Adj R-Sq**	0.7326
Coeff Var	22.59762		

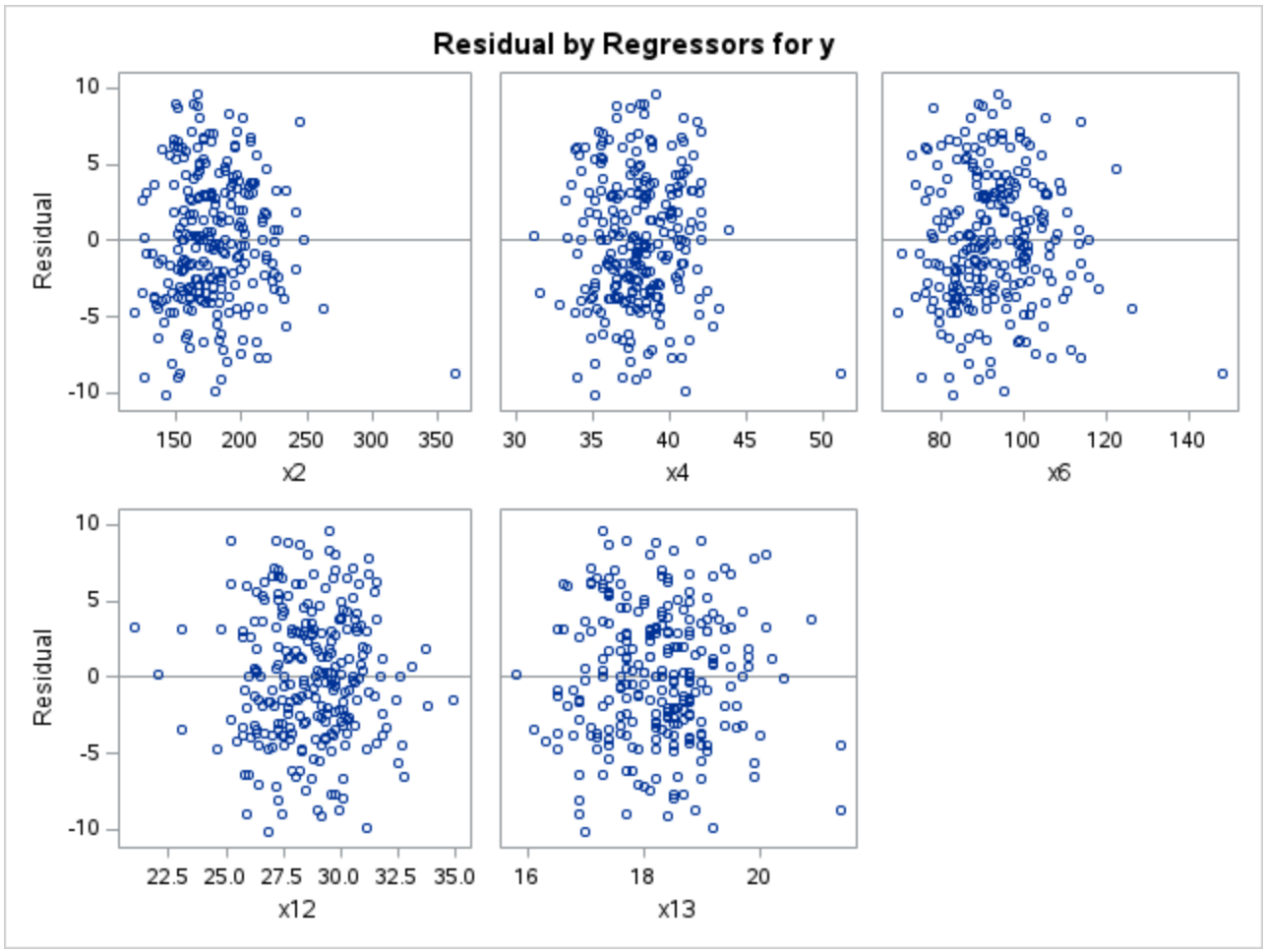
Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-30.65358	7.65484	-4.00	<.0001
x2	1	-0.12280	0.02586	-4.75	<.0001
x4	1	-0.36568	0.22146	-1.65	0.1000

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
x6	1	1.00784	0.05635	17.89	<.0001
x12	1	0.52703	0.18397	2.86	0.0045
x13	1	-1.24628	0.46824	-2.66	0.0083

The REG Procedure
Model: MODEL1
Dependent Variable: y





The REG Procedure
Model: MODEL1
Dependent Variable: y

Number of Observations Read	252
Number of Observations Used	252

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	7	13087	1869.59160	101.56	<.0001
Error	244	4491.84861	18.40922		
Corrected Total	251	17579			

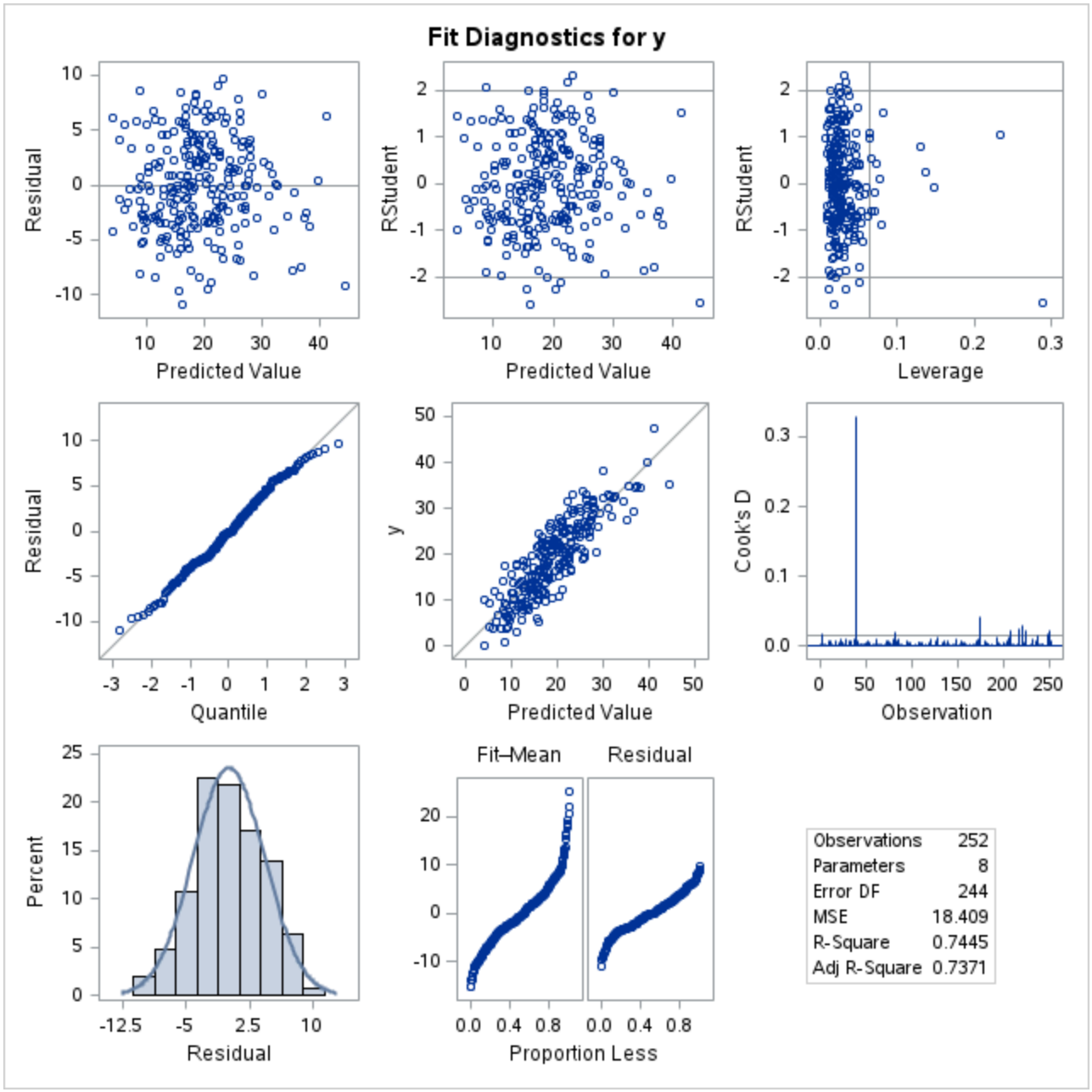
Root MSE	4.29060	R-Square	0.7445
Dependent Mean	19.15079	Adj R-Sq	0.7371
Coeff Var	22.40427		

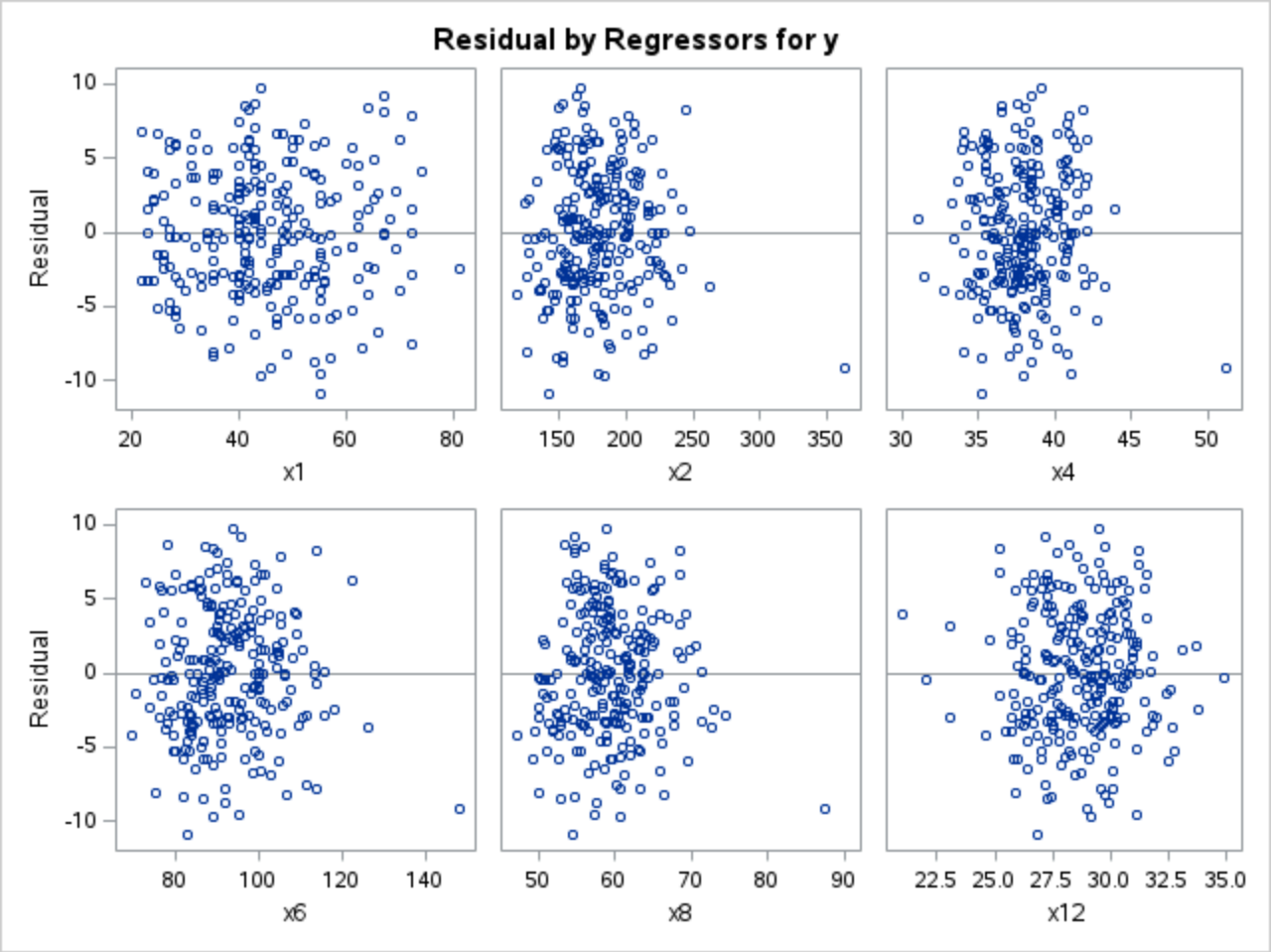
Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-33.25799	9.00681	-3.69	0.0003
x1	1	0.06817	0.03079	2.21	0.0278
x2	1	-0.11944	0.03403	-3.51	0.0005

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
x4	1	-0.40380	0.22062	-1.83	0.0684
x6	1	0.91788	0.06950	13.21	<.0001
x8	1	0.22196	0.11601	1.91	0.0569
x12	1	0.55314	0.18479	2.99	0.0030
x13	1	-1.53240	0.51041	-3.00	0.0030

The REG Procedure
Model: MODEL1
Dependent Variable: y




Residual by Regressors for y
Residual
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0
-5
-10
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40
60
80
x1
150
200
250
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x2
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80
100
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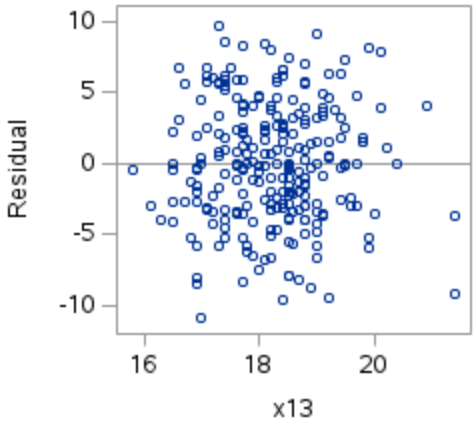
x12


Residual by Regressors for y
Residual
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-10
16
18
20
x13