PSA-NSA mixtures: SAR-SMA

The UNIVARIATE Procedure
Variable: y

Moments			
N	533	Sum Weights	533
Mean	0	Sum Observations	0
Std Deviation	1.70090012	Variance	2.89306123
Skewness	0.39794595	Kurtosis	0.29758284
Uncorrected SS	1539.10858	Corrected SS	1539.10858
Coeff Variation	.	Std Error Mean	0.07367416

Basic Statistical Measures			
Location		Variability	
Mean	0.00000	Std Deviation	1.70090
Median	-0.04666	Variance	2.89306
Mode	.	Range	10.11363
		Interquartile Range	2.14046

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	0	Pr > |t|	1.0000
Sign	M	-5.5	Pr >= |M|	0.6649
Signed Rank	S	-3103.5	Pr >= |S|	0.3835

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.98802	Pr < W	0.0002
Kolmogorov-Smirnov	D	0.040682	Pr > D	0.0311
Cramer-von Mises	W-Sq	0.193277	Pr > W-Sq	0.0066
Anderson-Darling	A-Sq	1.531754	Pr > A-Sq	<0.0050

Quantiles (Definition 5)	
Level	Quantile
100% Max	5.5307520
99%	4.4615567
95%	3.2267940

90%	2.1396735
75% Q3	1.0014844
50% Median	-0.0466571
25% Q1	-1.1389709
10%	-2.0303478
5%	-2.5536796
1%	-3.5573525
0% Min	-4.5828739

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
-4.58287	417	4.71632	117
-4.09607	448	4.87114	235
-4.06519	443	5.01439	229
-4.01396	183	5.10869	406
-3.90734	349	5.53075	105

PSA-NSA mixtures: SAR-SMA

n
533

n	sumc
533	2934

mcmin	mcmax
-0.602525	1.0828452

id	mco
1	1
2	0.9842581
3	0.9736268
4	0.9668927
5	0.9558985
6	0.9441869
7	0.9394045
8	0.9293315
9	0.925846
10	0.9141425
11	0.9074367
12	0.898382
13	0.8912654
14	0.8784211
15	0.8755149
16	0.8641734
17	0.8620068
18	0.854159
19	0.8451741
20	0.8424666
21	0.8263405
22	0.8190347
23	0.815203
24	0.8086542

25	0.7962684
26	0.7901049
27	0.7809574
28	0.7783476
29	0.773372
30	0.7668661
31	0.7642389
32	0.7630565
33	0.7527354
34	0.7409348
35	0.7339482
36	0.729703
37	0.7251598
38	0.720502
39	0.7068964
40	0.7034658
41	0.7005901
42	0.6921476
43	0.6874763
44	0.6818677
45	0.675203
46	0.668244
47	0.6623978
48	0.653764
49	0.649295
50	0.64322
51	0.6403514
52	0.6378773
53	0.6302186
54	0.6238205
55	0.6170889
56	0.6119017
57	0.6042579
58	0.598685
59	0.5977735

	0.5873151
61	0.5829798
62	0.5776153
63	0.5721211
64	0.5670141
65	0.5621535
66	0.5561289
67	0.5543444
68	0.5469148
69	0.5391903
70	0.5339864
71	0.5301847
72	0.528103
73	0.5212552
74	0.5149738
75	0.5105016
76	0.5095281
77	0.5014345
78	0.4943763
79	0.4905945
80	0.4882591
81	0.4841438
82	0.4756613
83	0.472519
84	0.467895
85	0.4634441
86	0.4599934
87	0.4527591
88	0.449379
89	0.4486376
90	0.4382588
91	0.4359501
92	0.4308115
93	0.4263721
94	0.418209

	0.4149111
96	0.4071493
97	0.4046072
98	0.3988406
99	0.3957439
100	0.3943053
101	0.3905771
102	0.3872337
103	0.3805365
104	0.3764558
105	0.3714415
106	0.3697572
107	0.3601368
108	0.3576294
109	0.3532334
110	0.3514691
111	0.3479373
112	0.3402669
113	0.336175
114	0.3333259
115	0.3305524
116	0.328532
117	0.3264029
118	0.3213001
119	0.3161733
120	0.3113933
121	0.3103814
122	0.2987224
123	0.2950593
124	0.2900324
125	0.2879949
126	0.2863571
127	0.2817621
128	0.2753095
129	0.272489

	0.2688576
131	0.2647985
132	0.2612358
133	0.2579183
134	0.2538132
135	0.2495033
136	0.2489572
137	0.2456071
138	0.2425705
139	0.2386518
140	0.2334286
141	0.2255971
142	0.2239088
143	0.2233794
144	0.2196616
145	0.2163597
146	0.2107079
147	0.205621
148	0.2023394
149	0.2019306
150	0.1961961
151	0.1953769
152	0.1897934
153	0.1855204
154	0.1835384
155	0.1822108
156	0.1784541
157	0.1749041
158	0.1731341
159	0.1709683
160	0.1627098
161	0.1618547
162	0.1600078
163	0.1558199
164	0.1552178

	0.1475167
166	0.1448416
167	0.1438202
168	0.1383088
169	0.1371135
170	0.1339044
171	0.1302758
172	0.1268046
173	0.1254716
174	0.1215092
175	0.118298
176	0.1164768
177	0.1107021
178	0.1098905
179	0.1074471
180	0.1039597
181	0.1008216
182	0.0931243
183	0.0921136
184	0.0908125
185	0.0861163
186	0.0823176
187	0.0784412
188	0.0764025
189	0.0759525
190	0.0732517
191	0.0664189
192	0.0643832
193	0.0629906
194	0.0604033
195	0.0590818
196	0.0567065
197	0.0534855
198	0.0507879
199	0.0464487

	0.0440533
201	0.0388825
202	0.0372164
203	0.0339425
204	0.0331313
205	0.0287117
206	0.0278765
207	0.0228406
208	0.0216064
209	0.0202371
210	0.0141327
211	0.0125675
212	0.0107836
213	0.0092594
214	0.0058069
215	0.0022521
216	-6.32E-16
217	-0.001738
218	-0.004326
219	-0.008621
220	-0.016401
221	-0.018596
222	-0.021474
223	-0.02275
224	-0.027205
225	-0.032128
226	-0.036722
227	-0.041971
228	-0.043828
229	-0.047901
230	-0.050787
231	-0.058629
232	-0.060554
233	-0.066646
234	-0.067771

	-0.074339
236	-0.08121
237	-0.083421
238	-0.084832
239	-0.088565
240	-0.089723
241	-0.095152
242	-0.100918
243	-0.10167
244	-0.106985
245	-0.108173
246	-0.114356
247	-0.119267
248	-0.122436
249	-0.126024
250	-0.128329
251	-0.131178
252	-0.134071
253	-0.138123
254	-0.140177
255	-0.143856
256	-0.151986
257	-0.152385
258	-0.15809
259	-0.164571
260	-0.165954
261	-0.168197
262	-0.180857
263	-0.184551
264	-0.186567
265	-0.193456
266	-0.195913
267	-0.19994
268	-0.200732
269	-0.201886

	-0.206213
271	-0.213254
272	-0.215914
273	-0.22135
274	-0.224143
275	-0.230636
276	-0.234006
277	-0.235526
278	-0.240384
279	-0.243242
280	-0.249433
281	-0.253008
282	-0.253603
283	-0.257495
284	-0.265438
285	-0.266614
286	-0.269141
287	-0.27277
288	-0.276509
289	-0.282663
290	-0.285488
291	-0.287208
292	-0.290058
293	-0.295696
294	-0.295827
295	-0.297679
296	-0.302187
297	-0.306084
298	-0.306555
299	-0.311022
300	-0.313204
301	-0.314874
302	-0.31907
303	-0.319686
304	-0.323657

	-0.327696
306	-0.329783
307	-0.335384
308	-0.337507
309	-0.343776
310	-0.345398
311	-0.347013
312	-0.350222
313	-0.351534
314	-0.357507
315	-0.360245
316	-0.362151
317	-0.364596
318	-0.368454
319	-0.371675
320	-0.373252
321	-0.377248
322	-0.379096
323	-0.385899
324	-0.386964
325	-0.390044
326	-0.39229
327	-0.395105
328	-0.398032
329	-0.398574
330	-0.403045
331	-0.406215
332	-0.410283
333	-0.411301
334	-0.412205
335	-0.415167
336	-0.415706
337	-0.422368
338	-0.42408
339	-0.429133

	-0.430218
341	-0.431037
342	-0.434285
343	-0.439177
344	-0.442174
345	-0.442511
346	-0.447493
347	-0.450498
348	-0.45212
349	-0.454308
350	-0.457018
351	-0.45877
352	-0.461497
353	-0.464606
354	-0.465532
355	-0.469358
356	-0.472401
357	-0.476358
358	-0.478314
359	-0.480442
360	-0.483775
361	-0.485626
362	-0.487405
363	-0.493029
364	-0.495759
365	-0.498123
366	-0.500448
367	-0.503862
368	-0.505843
369	-0.506716
370	-0.509481
371	-0.511559
372	-0.515693
373	-0.517188
374	-0.519434

	-0.521473
376	-0.523175
377	-0.523371
378	-0.528323
379	-0.530199
380	-0.532018
381	-0.535842
382	-0.538603
383	-0.541121
384	-0.542968
385	-0.545887
386	-0.548745
387	-0.550424
388	-0.552653
389	-0.55488
390	-0.555207
391	-0.560166
392	-0.563755
393	-0.565655
394	-0.567448
395	-0.571989
396	-0.573553
397	-0.573707
398	-0.577473
399	-0.578757
400	-0.582497
401	-0.584345
402	-0.586762
403	-0.588505
404	-0.589149
405	-0.590052
406	-0.595838
407	-0.598685
408	-0.600713
409	-0.602681

	-0.605272
411	-0.606096
412	-0.609033
413	-0.61345
414	-0.615186
415	-0.61834
416	-0.619041
417	-0.621217
418	-0.623608
419	-0.626422
420	-0.628659
421	-0.630688
422	-0.632408
423	-0.632583
424	-0.636541
425	-0.637509
426	-0.638764
427	-0.64259
428	-0.644051
429	-0.645651
430	-0.64877
431	-0.651495
432	-0.654335
433	-0.658346
434	-0.660047
435	-0.661973
436	-0.663819
437	-0.66478
438	-0.667851
439	-0.668962
440	-0.671534
441	-0.672178
442	-0.675103
443	-0.675906
444	-0.679825

	-0.680873
446	-0.68275
447	-0.686105
448	-0.687749
449	-0.688295
450	-0.692759
451	-0.693932
452	-0.696583
453	-0.699176
454	-0.702167
455	-0.704953
456	-0.707542
457	-0.709718
458	-0.713034
459	-0.713926
460	-0.714512
461	-0.717327
462	-0.720783
463	-0.721497
464	-0.723072
465	-0.725102
466	-0.726633
467	-0.728607
468	-0.729716
469	-0.730948
470	-0.735782
471	-0.736673
472	-0.739264
473	-0.74125
474	-0.743067
475	-0.745017
476	-0.747024
477	-0.748172
478	-0.748967
479	-0.751908

	-0.755678
481	-0.757577
482	-0.760073
483	-0.760222
484	-0.76313
485	-0.766709
486	-0.767668
487	-0.769424
488	-0.770768
489	-0.776438
490	-0.778965
491	-0.780176
492	-0.782395
493	-0.786492
494	-0.788054
495	-0.789958
496	-0.792862
497	-0.794752
498	-0.799172
499	-0.801335
500	-0.804788
501	-0.808177
502	-0.810323
503	-0.813287
504	-0.817941
505	-0.819664
506	-0.820855
507	-0.822211
508	-0.82791
509	-0.83162
510	-0.8339
511	-0.838102
512	-0.841211
513	-0.8462
514	-0.84777

	-0.850842
516	-0.852684
517	-0.859178
518	-0.865343
519	-0.871432
520	-0.872916
521	-0.873371
522	-0.879289
523	-0.881531
524	-0.886214
525	-0.8925
526	-0.896353
527	-0.906773
528	-0.91052
529	-0.917582
530	-0.922288
531	-0.933328
532	-0.943141
533	-1

PSA-NSA mixtures: SAR-SMA

The GLMSELECT Procedure

Data Set	WORK.STEP1
Dependent Variable	y
Selection Method	Stepwise
Select Criterion	Significance Level
Stop Criterion	Significance Level
Choose Criterion	Cross Validation
Entry Significance Level (SLE)	0.1
Stay Significance Level (SLS)	0.1001
Cross Validation Method	Random
Cross Validation Fold	13
Effect Hierarchy Enforced	None
Random Number Seed	1234567

Number of Observations Read	533
Number of Observations Used	533

Dimensions	
Number of Effects	291
Number of Parameters	291

PSA-NSA mixtures: SAR-SMA

The GLMSELECT Procedure

Stepwise Selection Summary

Step	Effect Entered	Effect Removed	Number Effects In	Model R-Square	PRESS	CV PRESS	F Value	Pr > F
0	Intercept		1	0.0000	1544.9001	1541.2674	0.00	1.0000
1	COL1		2	0.1126	1377.5296	1371.2793	67.40	<.0001
2	COL6		3	0.1641	1301.1164	1294.6049	32.65	<.0001
3	COL3		4	0.2022	1247.0112	1243.2044	25.27	<.0001
4	COL13		5	0.2370	1196.6254	1194.2578	24.07	<.0001
5	COL4		6	0.2712	1147.3053	1146.3785	24.74	<.0001
6	COL64		7	0.2910	1119.8707	1119.8346	14.67	0.0001
7	COL2		8	0.3098	1092.8106	1093.0274	14.32	0.0002
8	COL33		9	0.3286	1067.7497	1067.1600	14.62	0.0001
9	COL55		10	0.3462	1043.3388	1040.7959	14.09	0.0002
10	COL48		11	0.3627	1019.9467	1019.3538	13.54	0.0003
11	COL32		12	0.3786	997.1935	996.3299	13.34	0.0003
12	COL27		13	0.3944	975.3837	975.3159	13.52	0.0003
13	COL31		14	0.4096	953.2790	955.2522	13.38	0.0003
14	COL87		15	0.4228	934.9307	939.4762	11.85	0.0006
15	COL95		16	0.4355	918.5560	920.6851	11.67	0.0007
16	COL5		17	0.4475	901.0377	904.7584	11.15	0.0009
17	COL35		18	0.4588	885.3098	887.0685	10.81	0.0011
18	COL60		19	0.4701	870.3813	871.1178	10.94	0.0010
19	COL12		20	0.4812	855.1633	854.5801	10.93	0.0010
20	COL94		21	0.4912	841.7136	840.9169	10.06	0.0016
21	COL43		22	0.5004	829.3536	829.8624	9.44	0.0022
22	COL22		23	0.5089	818.3345	817.8356	8.85	0.0031
23	COL8		24	0.5161	809.7695	807.6041	7.61	0.0060
24	COL84		25	0.5231	802.2179	801.6597	7.42	0.0067
25	COL344		26	0.5294	793.9758	794.8227	6.78	0.0095
26	COL26		27	0.5356	786.4444	785.6733	6.71	0.0099
27	COL270		28	0.5412	780.7596	777.9631	6.25	0.0127
28	COL79		29	0.5468	774.5012	771.0584	6.21	0.0130

29	**COL28**		30	0.5523	767.6891	764.7315	6.16	0.0134
30	**COL97**		31	0.5576	761.6788	760.3524	5.97	0.0149
31	**COL44**		32	0.5626	756.0783	753.6783	5.82	0.0162
32	**COL25**		33	0.5677	750.4246	748.0788	5.86	0.0159
33	**COL7**		34	0.5724	745.2222	743.1737	5.51	0.0193
34	**COL89**		35	0.5770	741.0830	743.7767	5.35	0.0211
35	**COL57**		36	0.5815	736.3160	738.7735	5.33	0.0213
36	**COL305**		37	0.5859	731.0208	733.5042	5.34	0.0212
37	**COL23**		38	0.5903	725.1370	729.2271	5.33	0.0213
38	**COL265**		39	0.5947	720.7065	724.3227	5.31	0.0216
39	**COL238**		40	0.5989	717.8092	722.8774	5.22	0.0227
40	**COL53**		41	0.6028	713.6190	720.6167	4.77	0.0295
41	**COL68**		42	0.6066	709.5018	717.2239	4.79	0.0291
42	**COL275**		43	0.6104	705.7376	712.5630	4.70	0.0307
43	**COL88**		44	0.6140	702.9346	710.7727	4.58	0.0329
44	**COL45**		45	0.6175	699.2205	709.4364	4.54	0.0336
45	**COL268**		46	0.6209	696.0617	709.3838	4.31	0.0384
46	**COL30**		47	0.6242	693.5026	705.7837	4.23	0.0402
47	**COL39**		48	0.6274	689.6469	701.8893	4.25	0.0398
48	**COL36**		49	0.6306	686.7452	702.3109	4.18	0.0414
49	**COL65**		50	0.6338	683.6478	695.7072	4.19	0.0413
50	**COL17**		51	0.6369	680.5249	692.8036	4.10	0.0435
51	**COL240**		52	0.6399	678.4217	692.2015	4.01	0.0459
52	**COL221**		53	0.6428	675.3311	688.1724	3.93	0.0481
53	**COL9**		54	0.6457	671.9501	683.8346	3.94	0.0476
54	**COL327**		55	0.6485	670.1220	679.2082	3.80	0.0517
55	**COL56**		56	0.6513	667.2376	676.0801	3.81	0.0514
56	**COL212**		57	0.6540	665.6270	675.5563	3.75	0.0533
57	**COL14**		58	0.6567	662.9487	674.4681	3.73	0.0541
58	**COL219**		59	0.6594	661.1642	672.3922	3.66	0.0563
59	**COL321**		60	0.6619	658.5412	670.6535	3.54	0.0605
60	**COL21**		61	0.6644	656.3554	666.2240	3.52	0.0612
61	**COL399**		62	0.6669	654.8637	667.6743	3.52	0.0611
62	**COL41**		63	0.6694	653.2152	665.3243	3.51	0.0616
63	**COL362**		64	0.6717	651.7225	664.9106	3.42	0.0650

	COL237		65	0.6741	650.2689	664.0938	3.42	0.0652
65	COL306		66	0.6765	647.4279	661.1926	3.43	0.0648
66	COL73		67	0.6788	645.0283	659.2024	3.39	0.0661
67	COL91		68	0.6812	643.3291	658.4929	3.40	0.0658
68	COL281		69	0.6835	641.4639	659.4406	3.39	0.0661
69	COL20		70	0.6857	639.7579	656.2160	3.22	0.0734
70	COL334		71	0.6878	637.8012	656.1055	3.18	0.0750
71	COL242		72	0.6900	636.2281	652.7228	3.17	0.0755
72	COL227		73	0.6921	637.6534	653.0531	3.16	0.0759
73	COL83		74	0.6942	635.9644	655.2050	3.15	0.0765
74	COL378		75	0.6962	634.5240	654.4818	3.13	0.0777
75	COL233		76	0.6982	634.2963	651.3261	3.03	0.0826
76	COL74		77	0.7002	632.6383	648.5560	3.02	0.0829
77	COL289		78	0.7022	631.8893	650.5900	3.00	0.0841
78	COL62		79	0.7040	630.3654	650.1984	2.84	0.0926
79	COL330		80	0.7059	628.9828	648.1532	2.82	0.0937
80	COL246		81	0.7077	628.2658	646.4961	2.83	0.0931
81	COL50		82	0.7095	627.0937	645.4531*	2.80	0.0949
82	COL276		83	0.7113	626.6348	648.2676	2.81	0.0946
83	COL272		84	0.7131	625.7601*	647.3063	2.73	0.0994
* Optimal Value of Criterion								

Selection stopped because the candidate for entry has SLE > 0.1 and the candidate for removal has SLS < 0.1001.

Stop Details					
Candidate For	Effect	Candidate Significance		Compare Significance	
Entry	COL42	0.1044	>	0.1000	(SLE)
Removal	COL272	0.0994	<	0.1001	(SLS)

PSA-NSA mixtures: SAR-SMA

The GLMSELECT Procedure
Selected Model

The selected model, based on Cross Validation, is the model at Step 81.

Effects:	Intercept COL1 COL2 COL3 COL4 COL5 COL6 COL7 COL8 COL9 COL12 COL13 COL14 COL17 COL20 COL21 COL22 COL23 COL25 COL26 COL27 COL28 COL30 COL31 COL32 COL33 COL35 COL36 COL39 COL41 COL43 COL44 COL45 COL48 COL50 COL53 COL55 COL56 COL57 COL60 COL62 COL64 COL65 COL68 COL73 COL74 COL79 COL83 COL84 COL87 COL88 COL89 COL91 COL94 COL95 COL97 COL212 COL219 COL221 COL227 COL233 COL237 COL238 COL240 COL242 COL246 COL265 COL268 COL270 COL275 COL281 COL289 COL305 COL306 COL321 COL327 COL330 COL334 COL344 COL362 COL378 COL399

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value
Model	81	1092.01325	13.48165	13.60
Error	451	447.09532	0.99134	
Corrected Total	532	1539.10858		

Root MSE	0.99566
Dependent Mean	-3.3744E-15
R-Square	0.7095
Adj R-Sq	0.6573
AIC	605.32546
AICC	636.38114
PRESS	627.09371
SBC	421.16422
CV PRESS	645.45306

Parameter Estimates

Parameter	DF	Estimate	Standard Error	t Value
Intercept	1	-3.00862E-15	0.043127	-0.00
COL1	1	13.166198	0.995662	13.22
COL2	1	5.382905	0.995662	5.41
COL3	1	7.659277	0.995662	7.69
COL4	1	-7.256701	0.995662	-7.29

COL5	1	-4.285917	0.995662	-4.30
COL6	1	8.902078	0.995662	8.94
COL7	1	-2.696521	0.995662	-2.71
COL8	1	3.335795	0.995662	3.35
COL9	1	2.118675	0.995662	2.13
COL12	1	4.124991	0.995662	4.14
COL13	1	-7.316434	0.995662	-7.35
COL14	1	-2.036543	0.995662	-2.05
COL17	1	-2.179962	0.995662	-2.19
COL20	1	1.834356	0.995662	1.84
COL21	1	1.963055	0.995662	1.97
COL22	1	-3.621682	0.995662	-3.64
COL23	1	-2.606770	0.995662	-2.62
COL25	1	2.791774	0.995662	2.80
COL26	1	-3.077809	0.995662	-3.09
COL27	1	-4.923138	0.995662	-4.94
COL28	1	-2.904065	0.995662	-2.92
COL30	1	-2.243873	0.995662	-2.25
COL31	1	4.841042	0.995662	4.86
COL32	1	-4.947803	0.995662	-4.97
COL33	1	-5.368778	0.995662	-5.39
COL35	1	-4.182085	0.995662	-4.20
COL36	1	-2.216198	0.995662	-2.23
COL39	1	2.241220	0.995662	2.25
COL41	1	1.949293	0.995662	1.96
COL43	1	3.769949	0.995662	3.79
COL44	1	2.796912	0.995662	2.81
COL45	1	2.339690	0.995662	2.35
COL48	1	-5.044738	0.995662	-5.07
COL50	1	-1.666507	0.995662	-1.67
COL53	1	-2.433857	0.995662	-2.44
COL55	1	-5.206456	0.995662	-5.23
COL56	1	-2.071403	0.995662	-2.08
COL57	1	2.629207	0.995662	2.64
COL60	1	-4.166574	0.995662	-4.18

	1	1.688258	0.995662	1.70
COL64	1	-5.515952	0.995662	-5.54
COL65	1	-2.210418	0.995662	-2.22
COL68	1	-2.429885	0.995662	-2.44
COL73	1	-1.897413	0.995662	-1.91
COL74	1	1.747959	0.995662	1.76
COL79	1	-2.931736	0.995662	-2.94
COL83	1	-1.797720	0.995662	-1.81
COL84	1	-3.273679	0.995662	-3.29
COL87	1	4.507240	0.995662	4.53
COL88	1	-2.357916	0.995662	-2.37
COL89	1	2.645908	0.995662	2.66
COL91	1	-1.894485	0.995662	-1.90
COL94	1	-3.922313	0.995662	-3.94
COL95	1	-4.429218	0.995662	-4.45
COL97	1	-2.845303	0.995662	-2.86
COL212	1	2.048950	0.995662	2.06
COL219	1	-2.012328	0.995662	-2.02
COL221	1	-2.120306	0.995662	-2.13
COL227	1	1.805494	0.995662	1.81
COL233	1	-1.753517	0.995662	-1.76
COL237	1	1.913584	0.995662	1.92
COL238	1	-2.556783	0.995662	-2.57
COL240	1	2.148340	0.995662	2.16
COL242	1	1.812166	0.995662	1.82
COL246	1	1.678904	0.995662	1.69
COL265	1	-2.589180	0.995662	-2.60
COL268	1	2.272883	0.995662	2.28
COL270	1	2.956841	0.995662	2.97
COL275	1	-2.397892	0.995662	-2.41
COL281	1	-1.887353	0.995662	-1.90
COL289	1	-1.737278	0.995662	-1.74
COL305	1	2.619980	0.995662	2.63
COL306	1	-1.911249	0.995662	-1.92
COL321	1	-1.973470	0.995662	-1.98

	1	-2.075106	0.995662	-2.08
COL330	1	1.679206	0.995662	1.69
COL334	1	1.819742	0.995662	1.83
COL344	1	3.113259	0.995662	3.13
COL362	1	-1.919501	0.995662	-1.93
COL378	1	1.786123	0.995662	1.79
COL399	1	1.958246	0.995662	1.97

PSA-NSA mixtures: SAR-SMA

The REG Procedure
Model: MODEL1
Dependent Variable: y

Number of Observations Read	533
Number of Observations Used	533

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	1092.01325	1092.01325	1296.95	<.0001
Error	531	447.09532	0.84199		
Corrected Total	532	1539.10858			

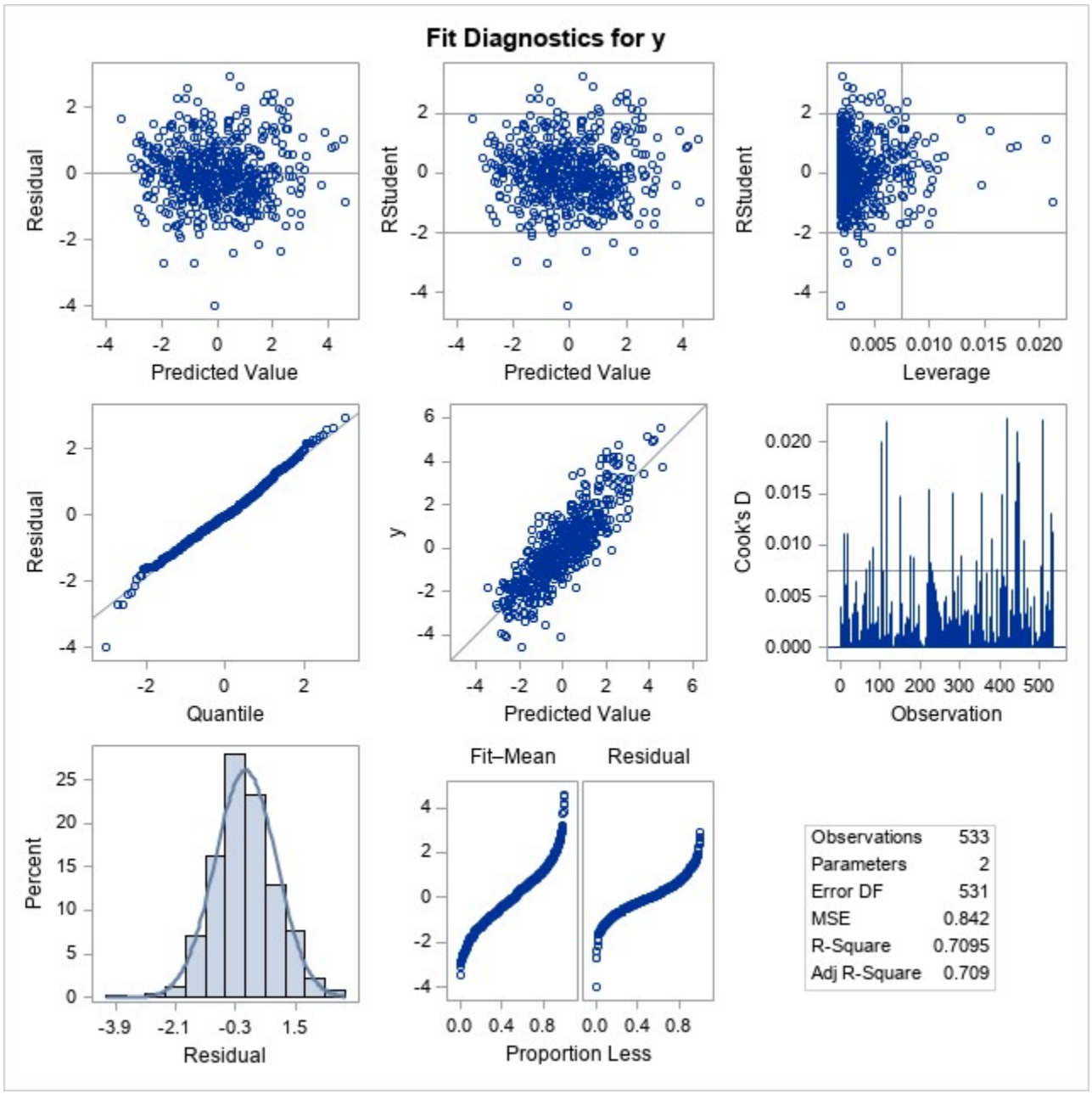
Root MSE	0.91760	R-Square	0.7095
Dependent Mean	-3.3744E-15	Adj R-Sq	0.7090
Coeff Var	-2.71929E16		

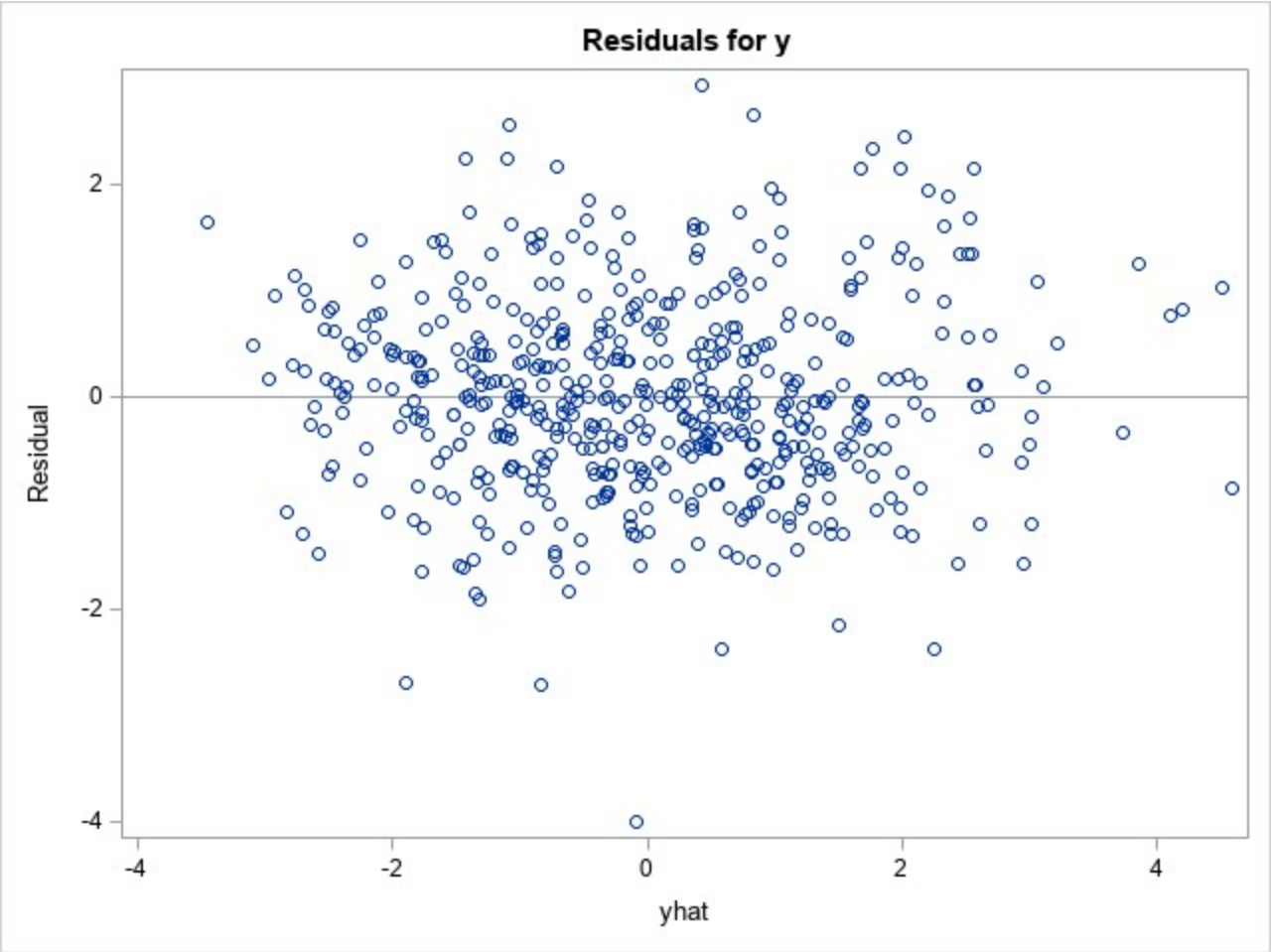
Parameter Estimates

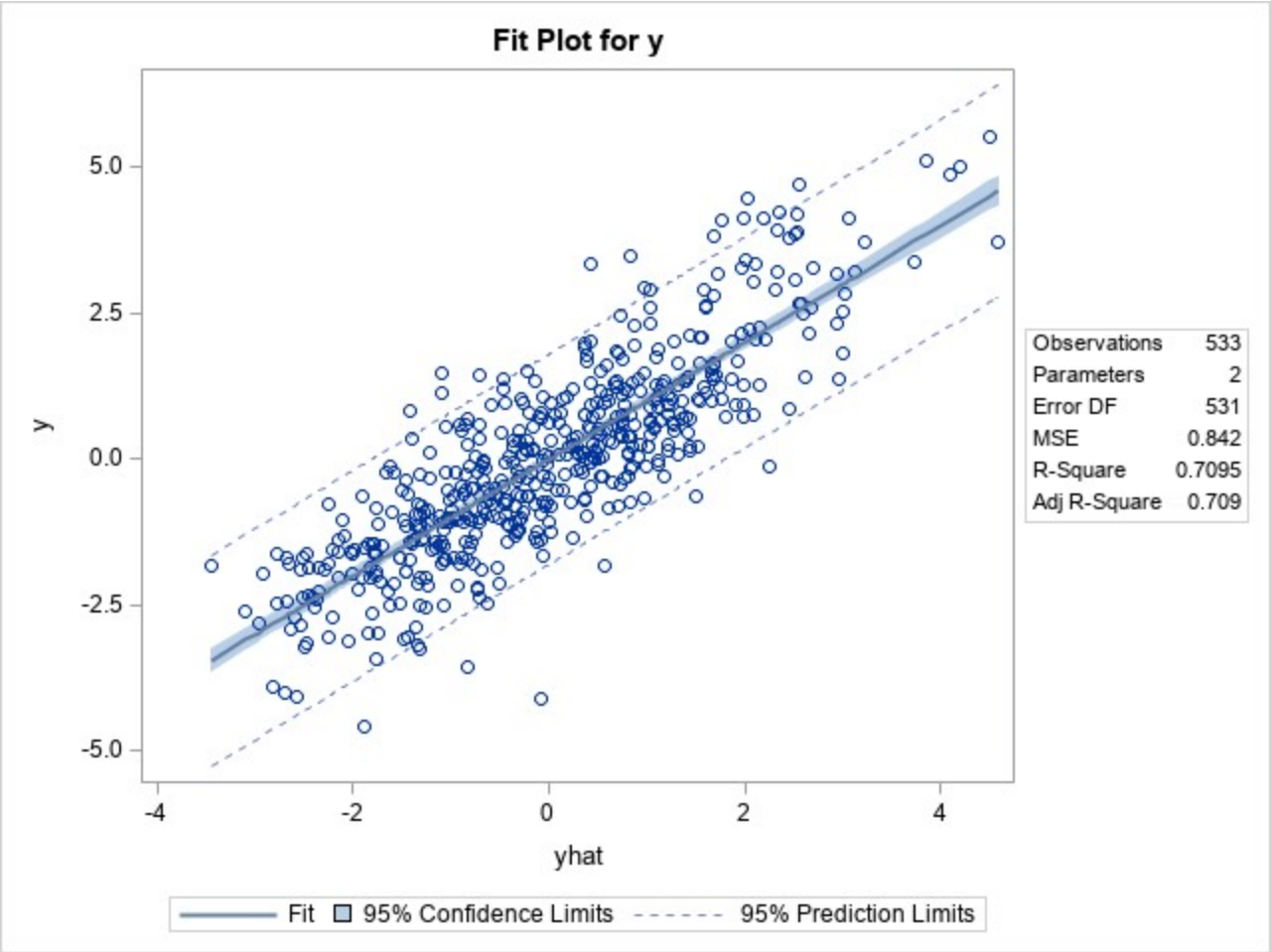
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-5.7073E-17	0.03975	-0.00	1.0000
yhat	1	1.00000	0.02777	36.01	<.0001

PSA-NSA mixtures: SAR-SMA

The REG Procedure
Model: MODEL1
Dependent Variable: y




Residuals for y
Residual
yhat
2
0
-2
-4
-4
-2
0
2
4


Fit Plot for y
5.0
2.5
0.0
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-5.0
y
-4
-2
0
2
4
yhat
Observations 533
Parameters 2
Error DF 531
MSE 0.842
R-Square 0.7095
Adj R-Square 0.709
Fit
95% Confidence Limits
95% Prediction Limits

PSA-NSA mixtures: SAR-SMA

The UNIVARIATE Procedure
Variable: yr

Moments			
N	533	Sum Weights	533
Mean	0	Sum Observations	0
Std Deviation	0.91673592	Variance	0.84040474
Skewness	0.0709799	Kurtosis	0.71139301
Uncorrected SS	447.095322	Corrected SS	447.095322
Coeff Variation	.	Std Error Mean	0.03970824

Basic Statistical Measures			
Location		Variability	
Mean	0.00000	Std Deviation	0.91674
Median	-0.05193	Variance	0.84040
Mode	.	Range	6.94260
		Interquartile Range	1.16544

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	0	Pr > |t|	1.0000
Sign	M	-16.5	Pr >= |M|	0.1657
Signed Rank	S	-1567.5	Pr >= |S|	0.6599

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.992319	Pr < W	0.0076
Kolmogorov-Smirnov	D	0.044149	Pr > D	0.0127
Cramer-von Mises	W-Sq	0.163832	Pr > W-Sq	0.0170
Anderson-Darling	A-Sq	0.957548	Pr > A-Sq	0.0170

Quantiles (Definition 5)	
Level	Quantile
100% Max	2.9313480
99%	2.2470531

95%	1.5658396
90%	1.2723667
75% Q3	0.5479175
50% Median	-0.0519319
25% Q1	-0.6175270
10%	-1.1259366
5%	-1.4518391
1%	-2.1577057
0% Min	-4.0112496

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
-4.01125	448	2.34046	221
-2.72616	8	2.43704	102
-2.69438	417	2.54809	444
-2.38989	107	2.64666	460
-2.37472	508	2.93135	529

PSA-NSA mixtures: SAR-SMA

The REG Procedure
Model: MODEL1
Dependent Variable: y

Number of Observations Read	533
Number of Observations Used	533

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	41	464.54011	11.33025	5.18	<.0001
Error	491	1074.56847	2.18853		
Corrected Total	532	1539.10858			

Root MSE	1.47937	R-Square	0.3018
Dependent Mean	-3.3744E-15	Adj R-Sq	0.2435
Coeff Var	-4.38408E16		

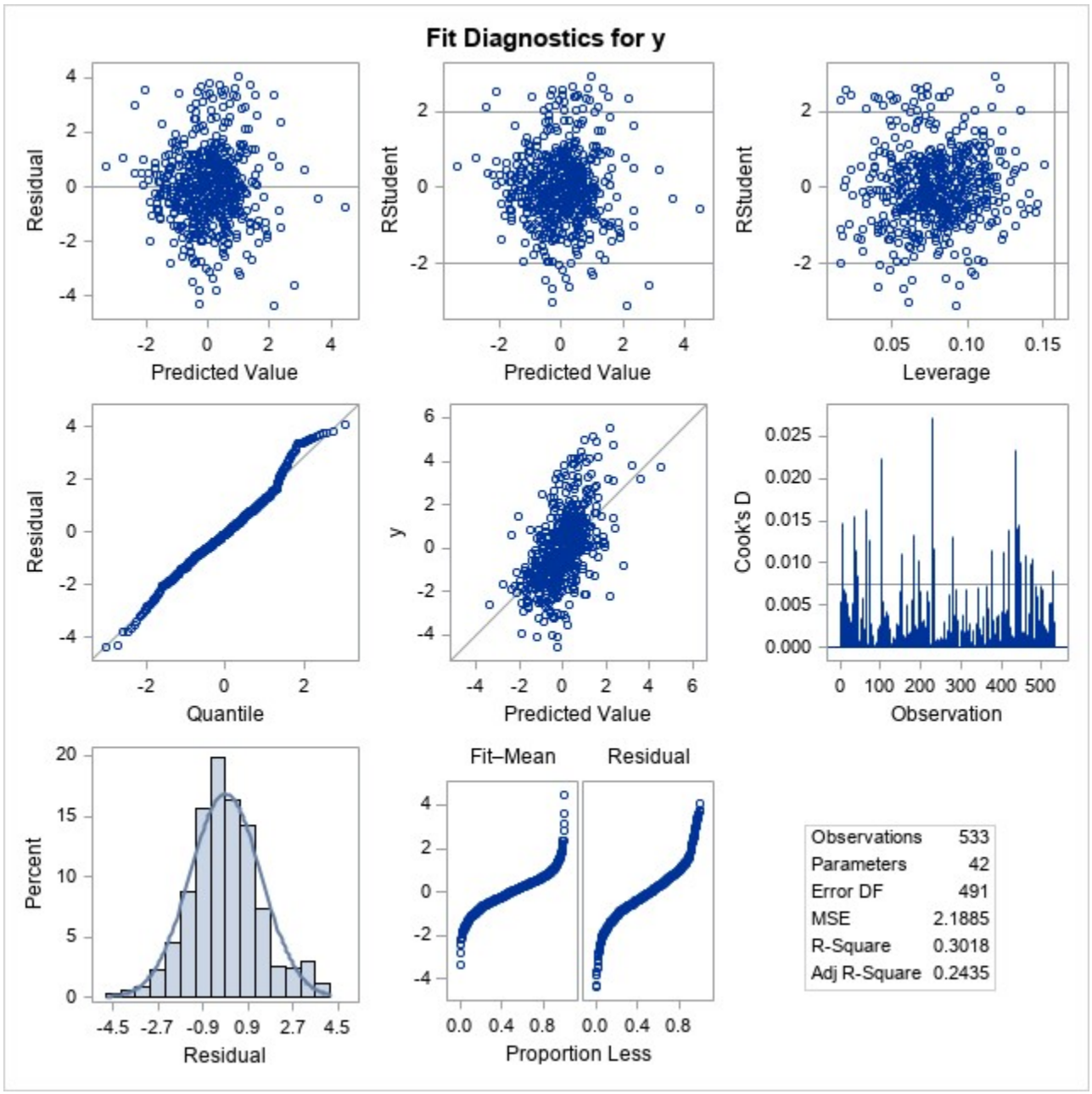
Parameter Estimates

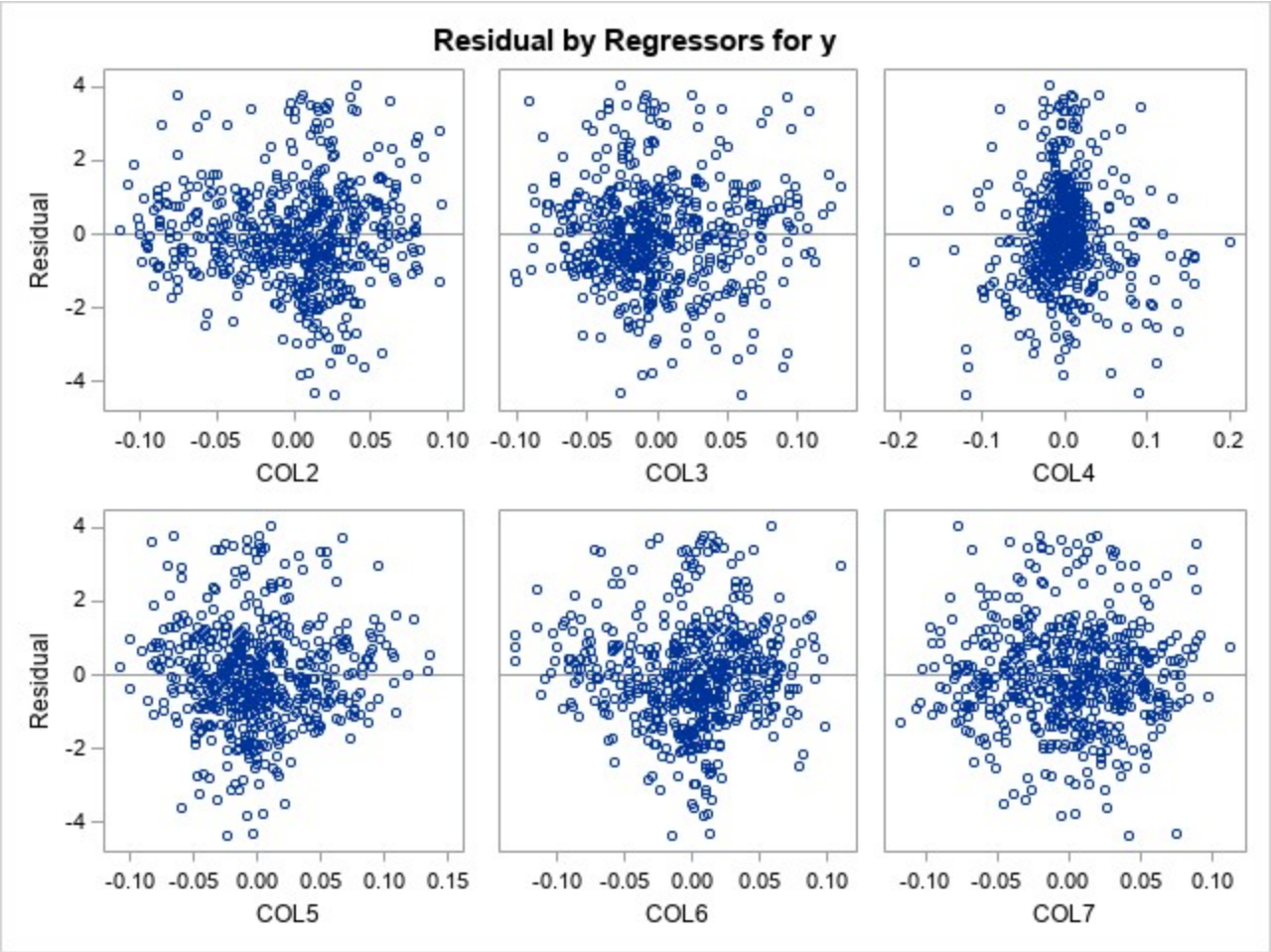
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-3.2741E-15	0.06408	-0.00	1.0000
COL2	1	5.38290	1.47937	3.64	0.0003
COL3	1	7.65928	1.47937	5.18	<.0001
COL4	1	-7.25670	1.47937	-4.91	<.0001
COL5	1	-4.28592	1.47937	-2.90	0.0039
COL6	1	8.90208	1.47937	6.02	<.0001
COL7	1	-2.69652	1.47937	-1.82	0.0689
COL8	1	3.33580	1.47937	2.25	0.0246
COL9	1	2.11868	1.47937	1.43	0.1527
COL10	1	-0.04244	1.47937	-0.03	0.9771
COL12	1	4.12499	1.47937	2.79	0.0055
COL13	1	-7.31643	1.47937	-4.95	<.0001
COL14	1	-2.03654	1.47937	-1.38	0.1693
COL15	1	-1.00614	1.47937	-0.68	0.4968
COL16	1	0.78980	1.47937	0.53	0.5937

COL18	1	0.88938	1.47937	0.60	0.5480
COL19	1	-0.97698	1.47937	-0.66	0.5093
COL20	1	1.83436	1.47937	1.24	0.2156
COL25	1	2.79177	1.47937	1.89	0.0597
COL26	1	-3.07781	1.47937	-2.08	0.0380
COL29	1	0.43105	1.47937	0.29	0.7709
COL32	1	-4.94780	1.47937	-3.34	0.0009
COL39	1	2.24122	1.47937	1.51	0.1304
COL42	1	-1.61069	1.47937	-1.09	0.2768
COL45	1	2.33969	1.47937	1.58	0.1144
COL46	1	-0.07010	1.47937	-0.05	0.9622
COL47	1	1.36934	1.47937	0.93	0.3551
COL49	1	0.70161	1.47937	0.47	0.6355
COL50	1	-1.66651	1.47937	-1.13	0.2605
COL53	1	-2.43386	1.47937	-1.65	0.1006
COL54	1	0.32174	1.47937	0.22	0.8279
COL56	1	-2.07140	1.47937	-1.40	0.1621
COL61	1	0.34762	1.47937	0.23	0.8143
COL64	1	-5.51595	1.47937	-3.73	0.0002
COL65	1	-2.21042	1.47937	-1.49	0.1358
COL67	1	-1.45477	1.47937	-0.98	0.3259
COL72	1	1.27911	1.47937	0.86	0.3877
COL73	1	-1.89741	1.47937	-1.28	0.2002
COL77	1	-0.05062	1.47937	-0.03	0.9727
COL79	1	-2.93174	1.47937	-1.98	0.0481
COL81	1	-0.51233	1.47937	-0.35	0.7293
COL98	1	0.39673	1.47937	0.27	0.7887

PSA-NSA mixtures: SAR-SMA

The REG Procedure
Model: MODEL1
Dependent Variable: y




Residual by Regressors for y
Residual
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0
-2
-4
-0.10 -0.05 0.00 0.05 0.10
COL2
-0.10 -0.05 0.00 0.05 0.10
COL3
-0.2 -0.1 0.0 0.1 0.2
COL4
-0.10 -0.05 0.00 0.05 0.10 0.15
COL5
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COL6
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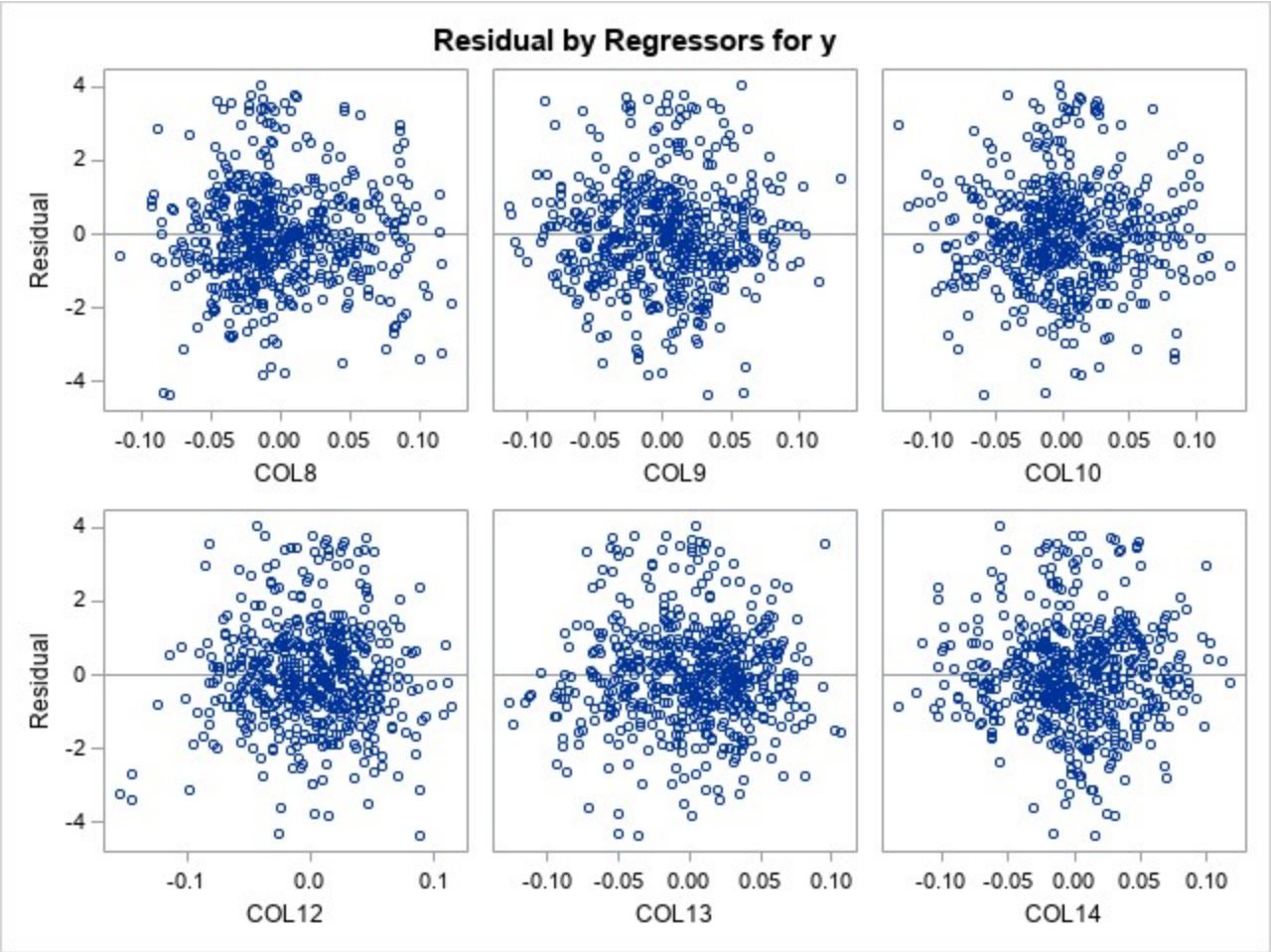
COL7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Residual
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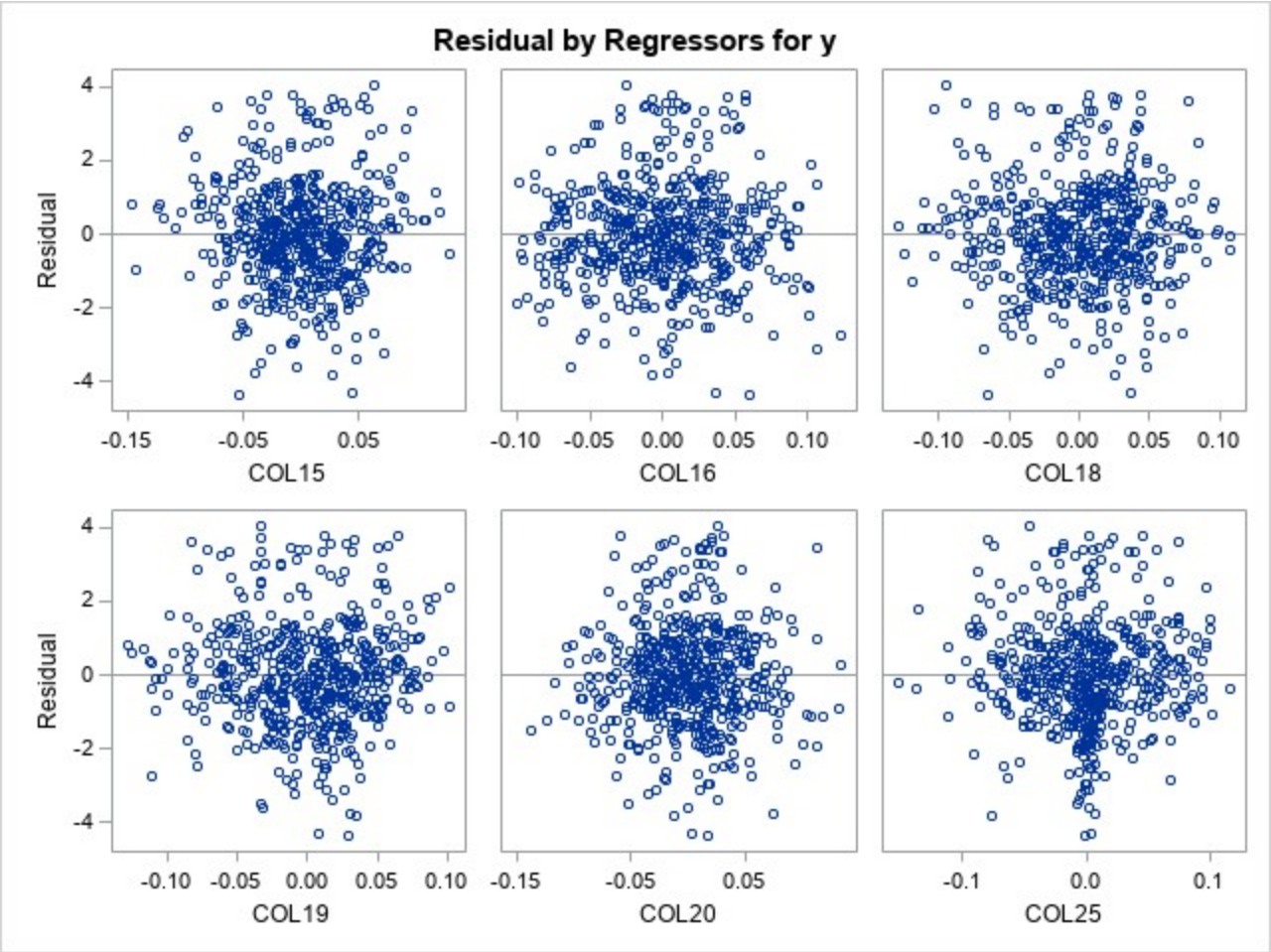
0
-2
-4
-0.10 -0.05 0.00 0.05 0.10
COL8
COL9
COL10
-0.1 0.0 0.1
COL12
COL13
COL14


Residual by Regressors for y
Residual
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2
0
-2
-4
-0.15
-0.05
0.05
COL15
-0.10
-0.05
0.00
0.05
0.10
COL16
-0.10
-0.05
0.00
0.05
0.10
COL18
Residual
-0.10
-0.05
0.00
0.05
0.10
COL19
-0.15
-0.05
0.05
COL20
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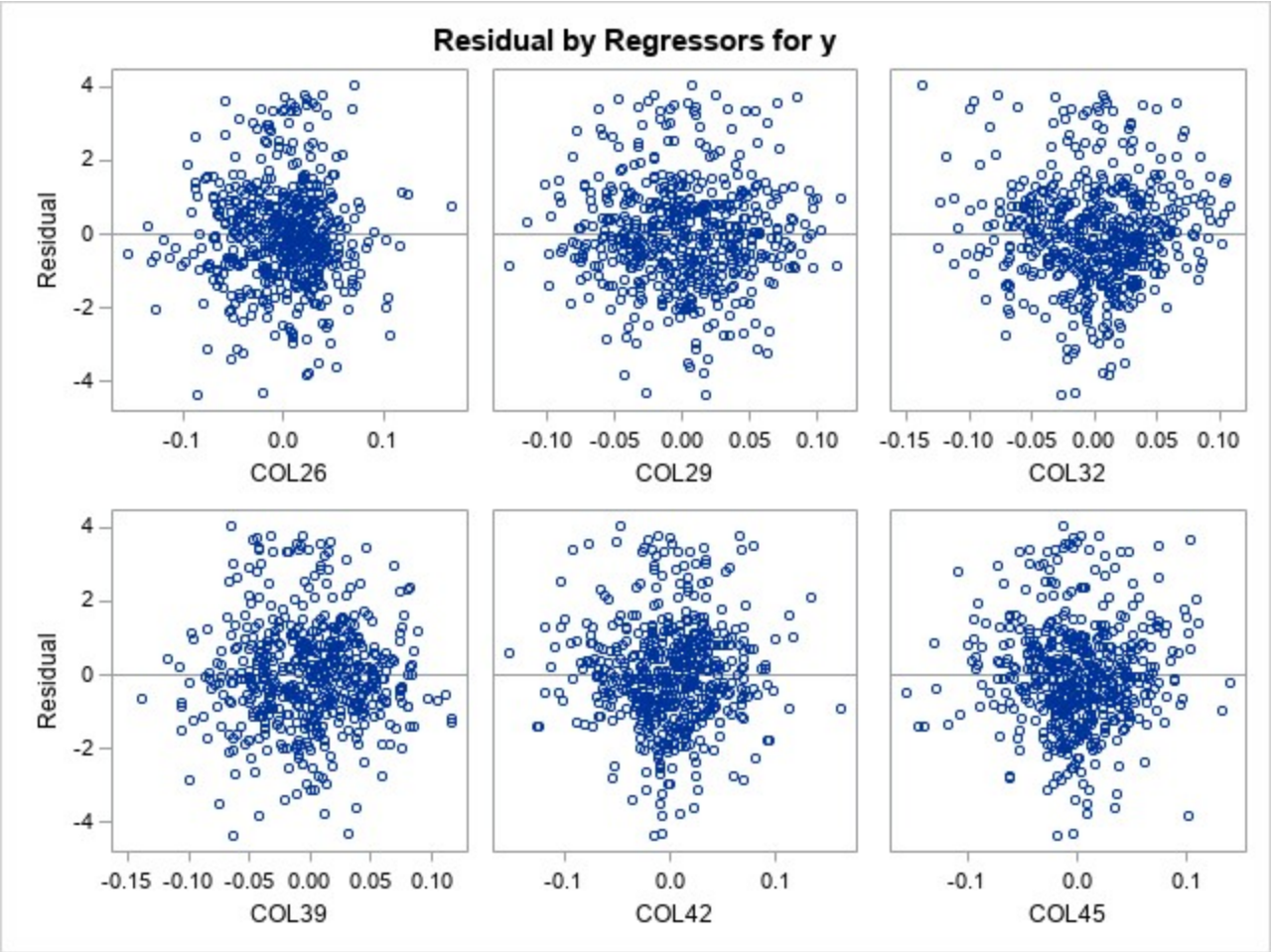
0.0
0.1
COL25


Residual by Regressors for y
Residual
4
2
0
-2
-4
-0.1
0.0
0.1
COL26
-0.10
-0.05
0.00
0.05
0.10
COL29
-0.15
-0.10
-0.05
0.00
0.05
0.10
COL32
Residual
4
2
0
-2
-4
-0.15
-0.10
-0.05
0.00
0.05
0.10
COL39
-0.1
0.0
0.1
COL42
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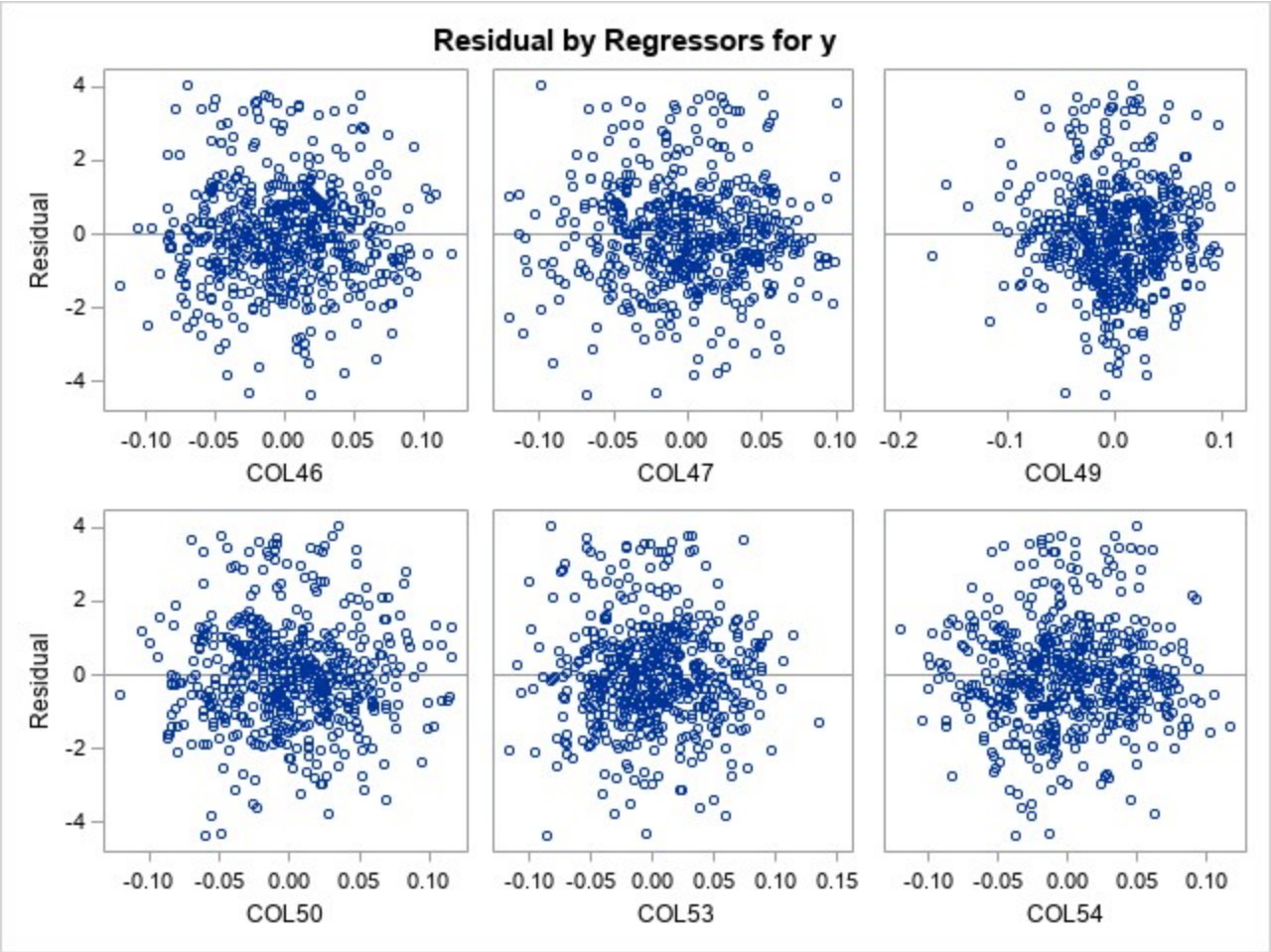
0.0
0.1
COL45


Residual by Regressors for y
Residual
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2
0
-2
-4
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COL46
-0.10 -0.05 0.00 0.05 0.10
COL47
-0.2 -0.1 0.0 0.1
COL49
Residual
4
2
0
-2
-4
-0.10 -0.05 0.00 0.05 0.10
COL50
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COL53
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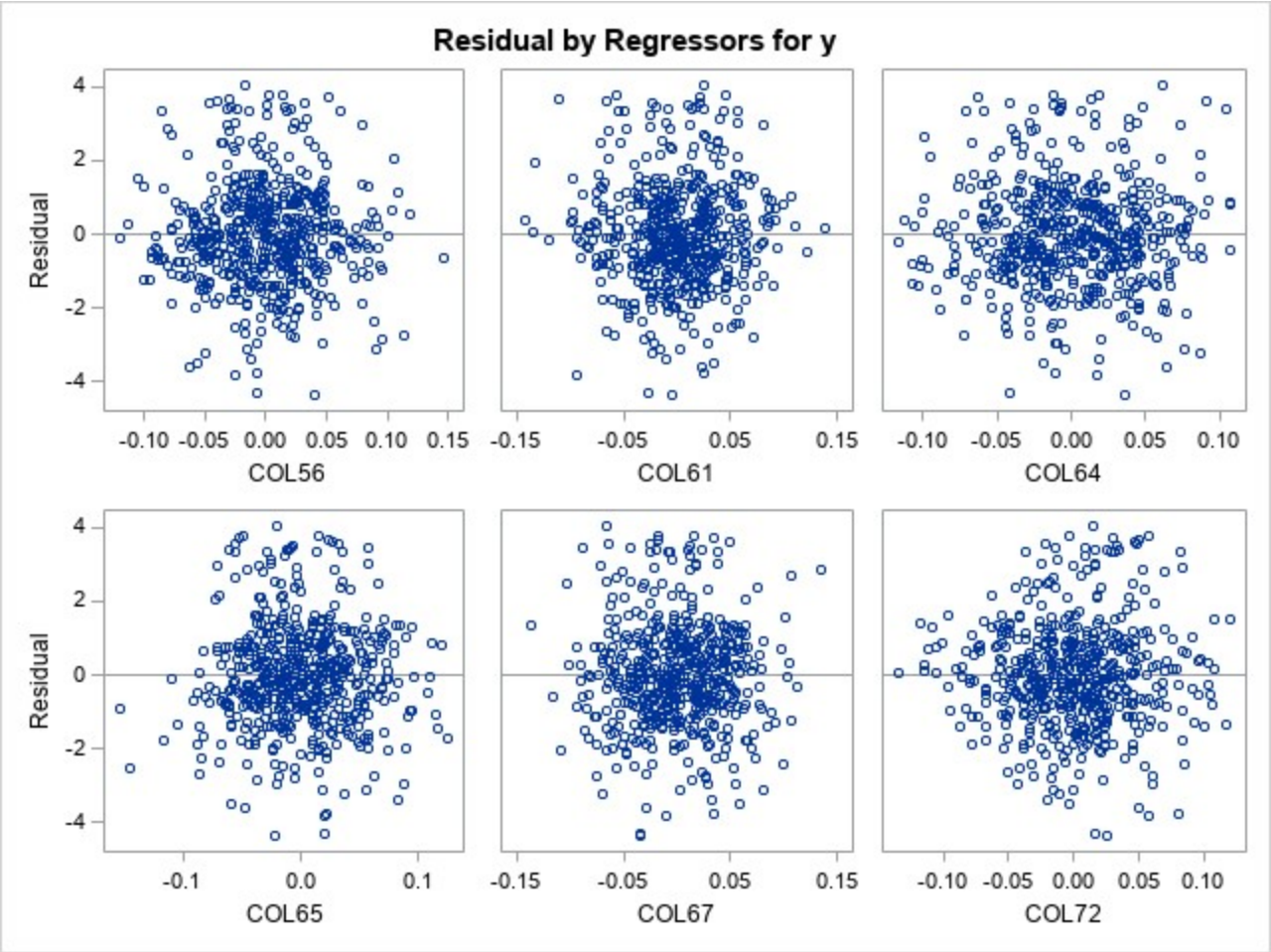
COL54


Residual by Regressors for y
Residual
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-2
-4
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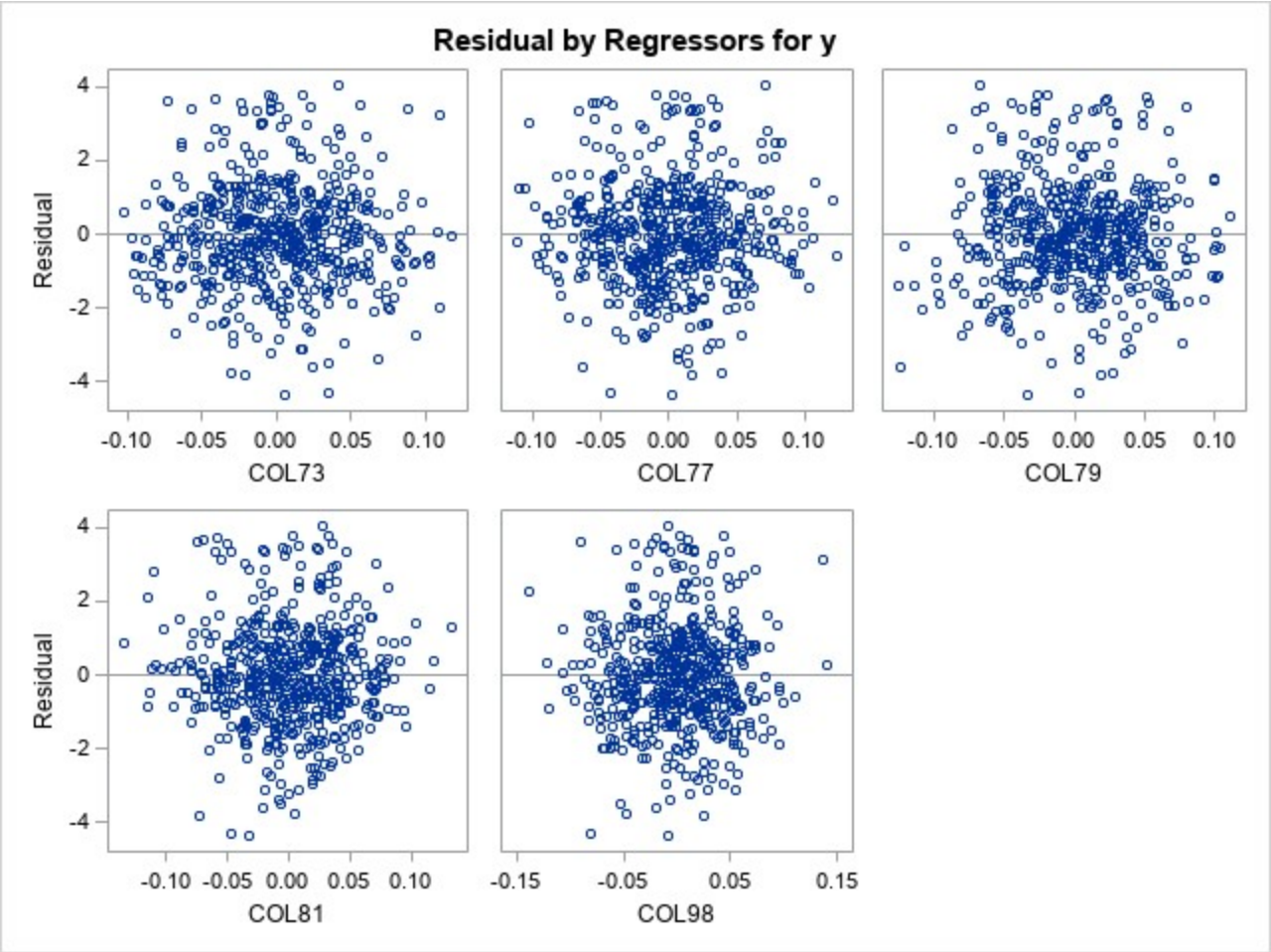
COL56
-0.15 -0.05 0.05 0.15
COL61
-0.10 -0.05 0.00 0.05 0.10
COL64
Residual
4
2
0
-2
-4
-0.1 0.0 0.1
COL65
-0.15 -0.05 0.05 0.15
COL67
-0.10 -0.05 0.00 0.05 0.10
COL72


Residual by Regressors for y
Residual
4
2
0
-2
-4
-0.10 -0.05 0.00 0.05 0.10
COL73
-0.10 -0.05 0.00 0.05 0.10
COL77
-0.10 -0.05 0.00 0.05 0.10
COL79
Residual
4
2
0
-2
-4
-0.10 -0.05 0.00 0.05 0.10
COL81
-0.15 -0.05 0.05 0.15
COL98

PSA-NSA mixtures: SAR-SMA

The REG Procedure
Model: MODEL1
Dependent Variable: y

Number of Observations Read	533
Number of Observations Used	533

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	33	45.78092	1.38730	0.46	0.9958
Error	499	1493.32765	2.99264		
Corrected Total	532	1539.10858			

Root MSE	1.72993	R-Square	0.0297
Dependent Mean	-3.3744E-15	Adj R-Sq	-0.0344
Coeff Var	-5.1266E16		

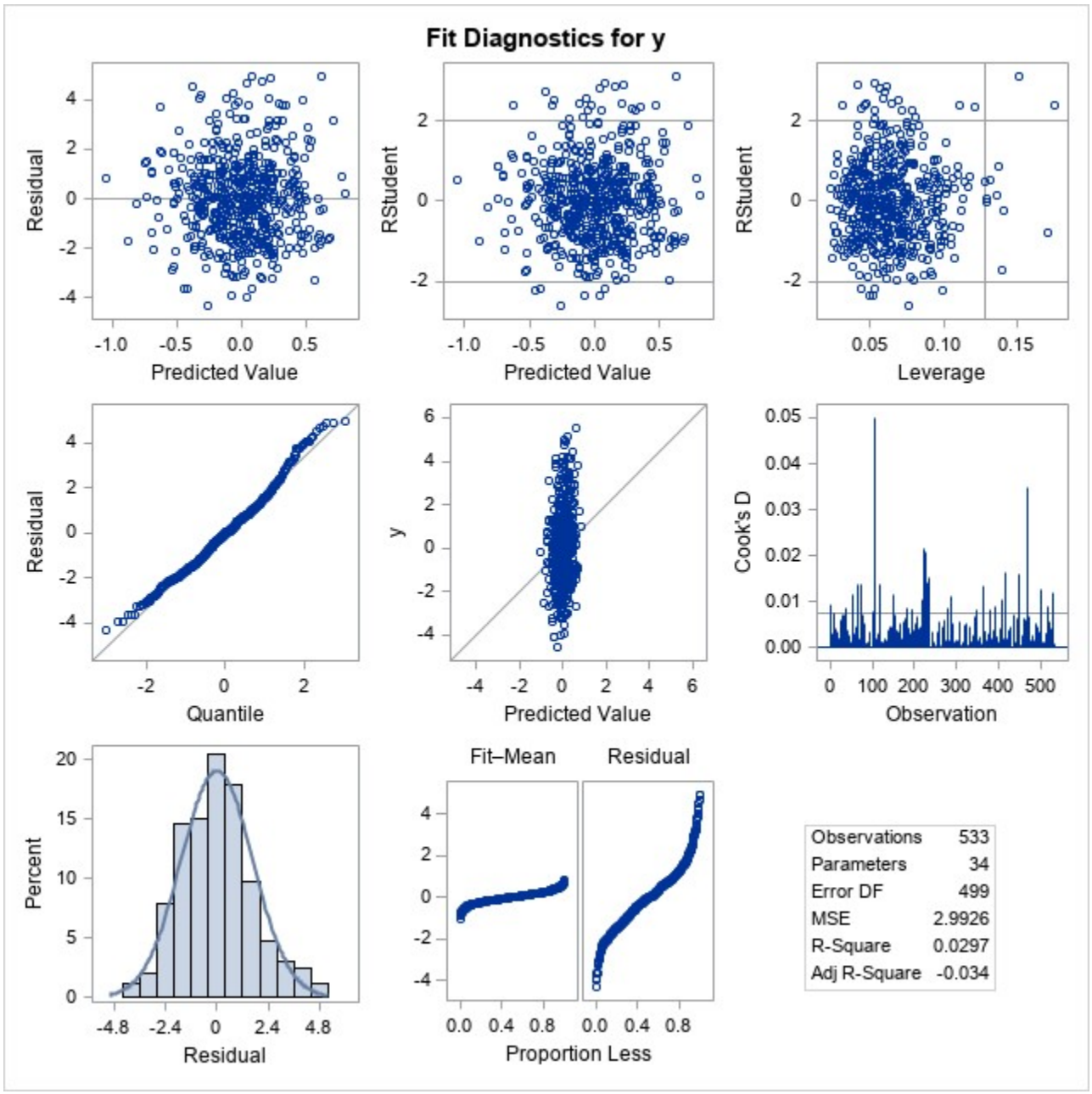
Parameter Estimates

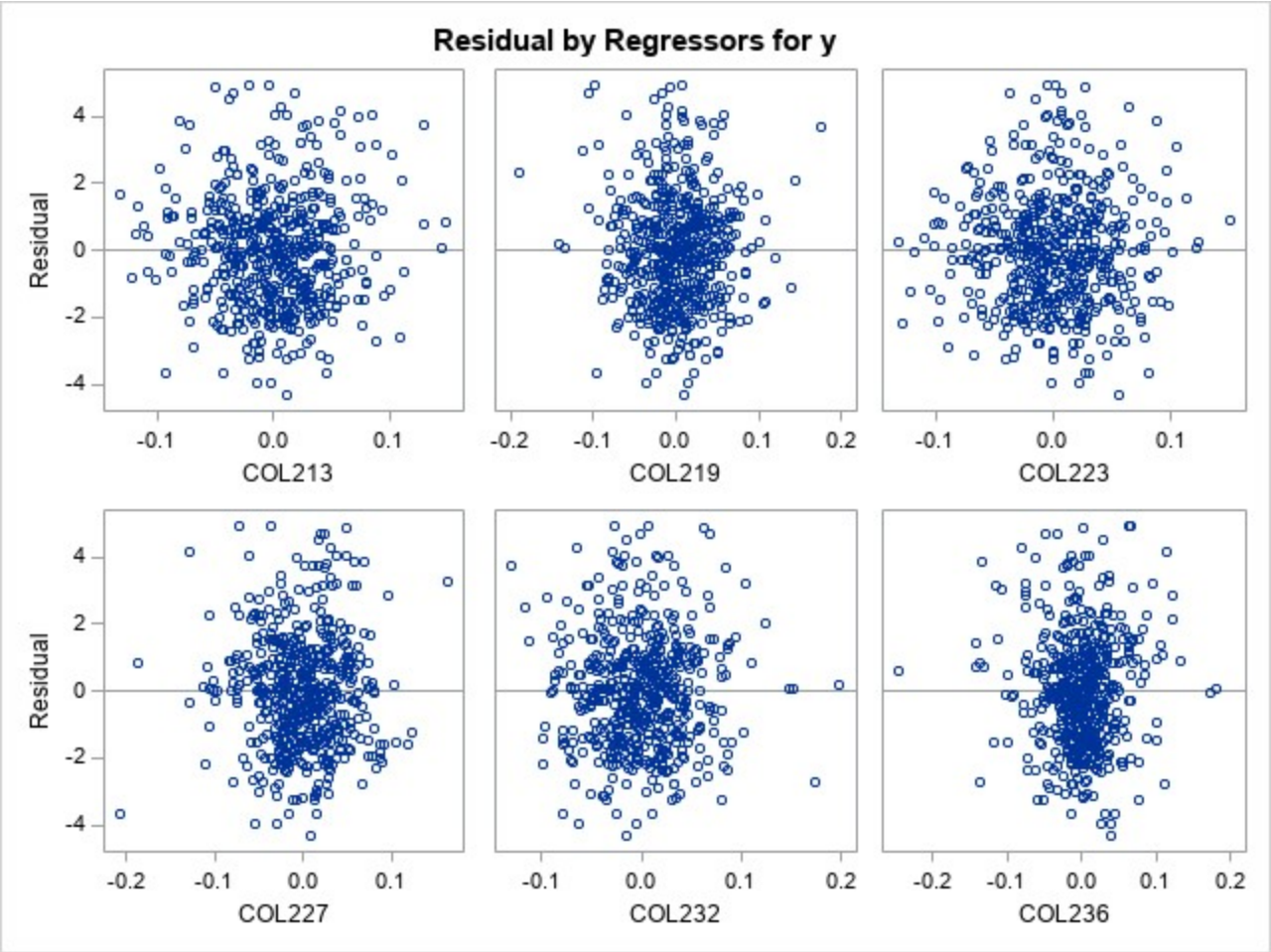
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-2.7168E-15	0.07493	-0.00	1.0000
COL213	1	1.22322	1.72993	0.71	0.4798
COL219	1	-2.01233	1.72993	-1.16	0.2453
COL223	1	-0.91398	1.72993	-0.53	0.5975
COL227	1	1.80549	1.72993	1.04	0.2971
COL232	1	-0.58069	1.72993	-0.34	0.7373
COL236	1	-0.86790	1.72993	-0.50	0.6161
COL238	1	-2.55678	1.72993	-1.48	0.1400
COL248	1	-0.72185	1.72993	-0.42	0.6767
COL249	1	1.45230	1.72993	0.84	0.4016
COL250	1	-0.90687	1.72993	-0.52	0.6004
COL252	1	-0.66871	1.72993	-0.39	0.6993
COL254	1	-1.51935	1.72993	-0.88	0.3802
COL260	1	0.64450	1.72993	0.37	0.7096
COL271	1	1.07192	1.72993	0.62	0.5358

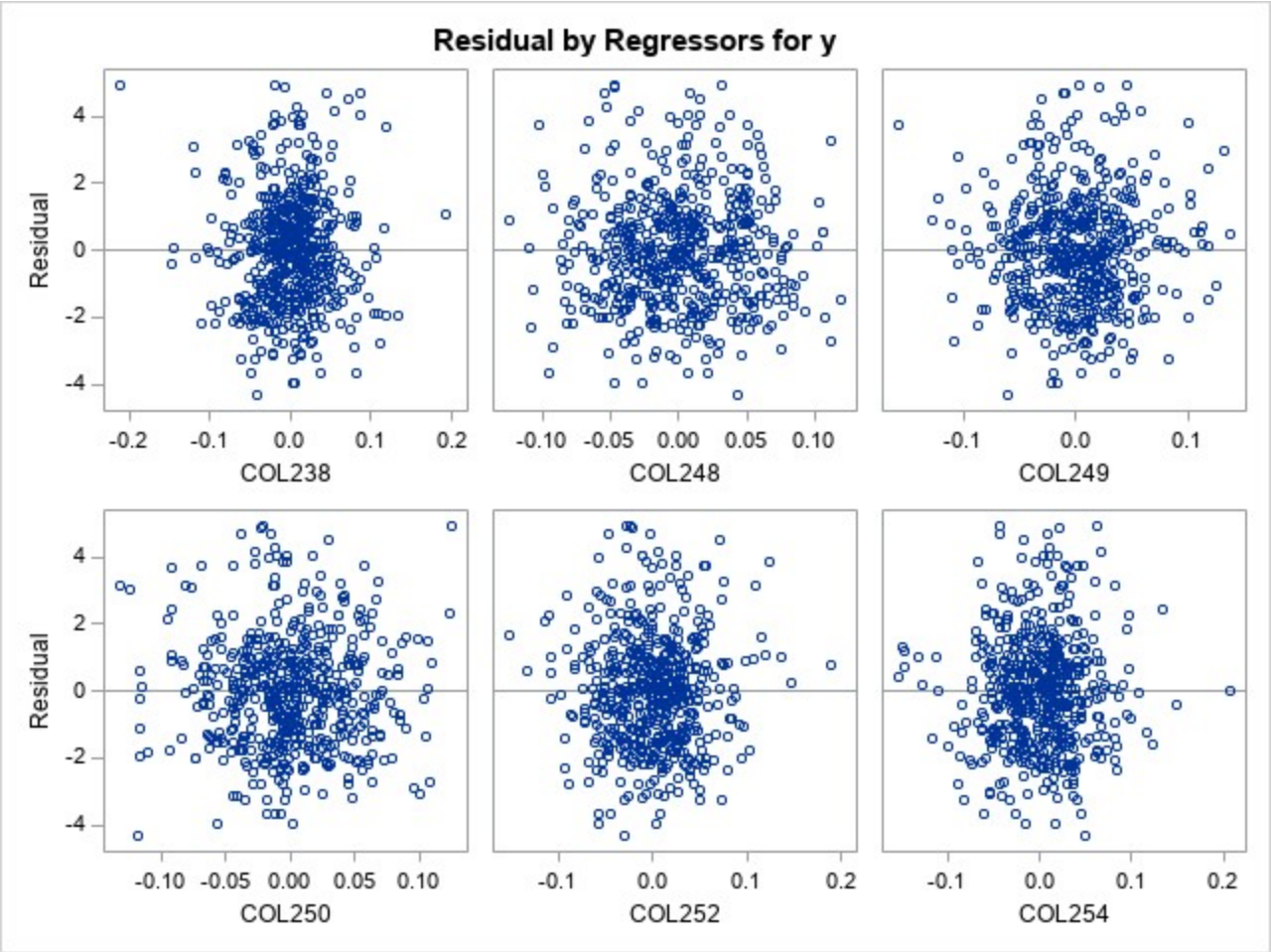
COL275	1	-2.39789	1.72993	-1.39	0.1663
COL294	1	0.04713	1.72993	0.03	0.9783
COL306	1	-1.91125	1.72993	-1.10	0.2698
COL309	1	0.48072	1.72993	0.28	0.7812
COL311	1	-0.45349	1.72993	-0.26	0.7933
COL324	1	-0.84573	1.72993	-0.49	0.6251
COL332	1	0.48878	1.72993	0.28	0.7776
COL335	1	-0.99156	1.72993	-0.57	0.5668
COL337	1	0.10841	1.72993	0.06	0.9501
COL338	1	1.36807	1.72993	0.79	0.4294
COL341	1	0.07222	1.72993	0.04	0.9667
COL342	1	-0.72874	1.72993	-0.42	0.6737
COL343	1	0.46987	1.72993	0.27	0.7860
COL351	1	-0.48880	1.72993	-0.28	0.7776
COL359	1	-1.51768	1.72993	-0.88	0.3807
COL361	1	-1.10186	1.72993	-0.64	0.5245
COL380	1	0.84635	1.72993	0.49	0.6249
COL383	1	1.24511	1.72993	0.72	0.4720
COL389	1	0.54524	1.72993	0.32	0.7528

PSA-NSA mixtures: SAR-SMA

The REG Procedure
Model: MODEL1
Dependent Variable: y




Residual by Regressors for y
Residual
4
2
0
-2
-4
-0.1
0.0
0.1
COL213
-0.2
-0.1
0.0
0.1
0.2
COL219
-0.1
0.0
0.1
COL223
Residual
4
2
0
-2
-4
-0.2
-0.1
0.0
0.1
COL227
-0.1
0.0
0.1
0.2
COL232
-0.2
-0.1
0.0
0.1
0.2
COL236


Residual by Regressors for y
Residual
4
2
0
-2
-4
-0.2
-0.1
0.0
0.1
0.2
COL238
-0.10
-0.05
0.00
0.05
0.10
COL248
-0.1
0.0
0.1
COL249
COL250
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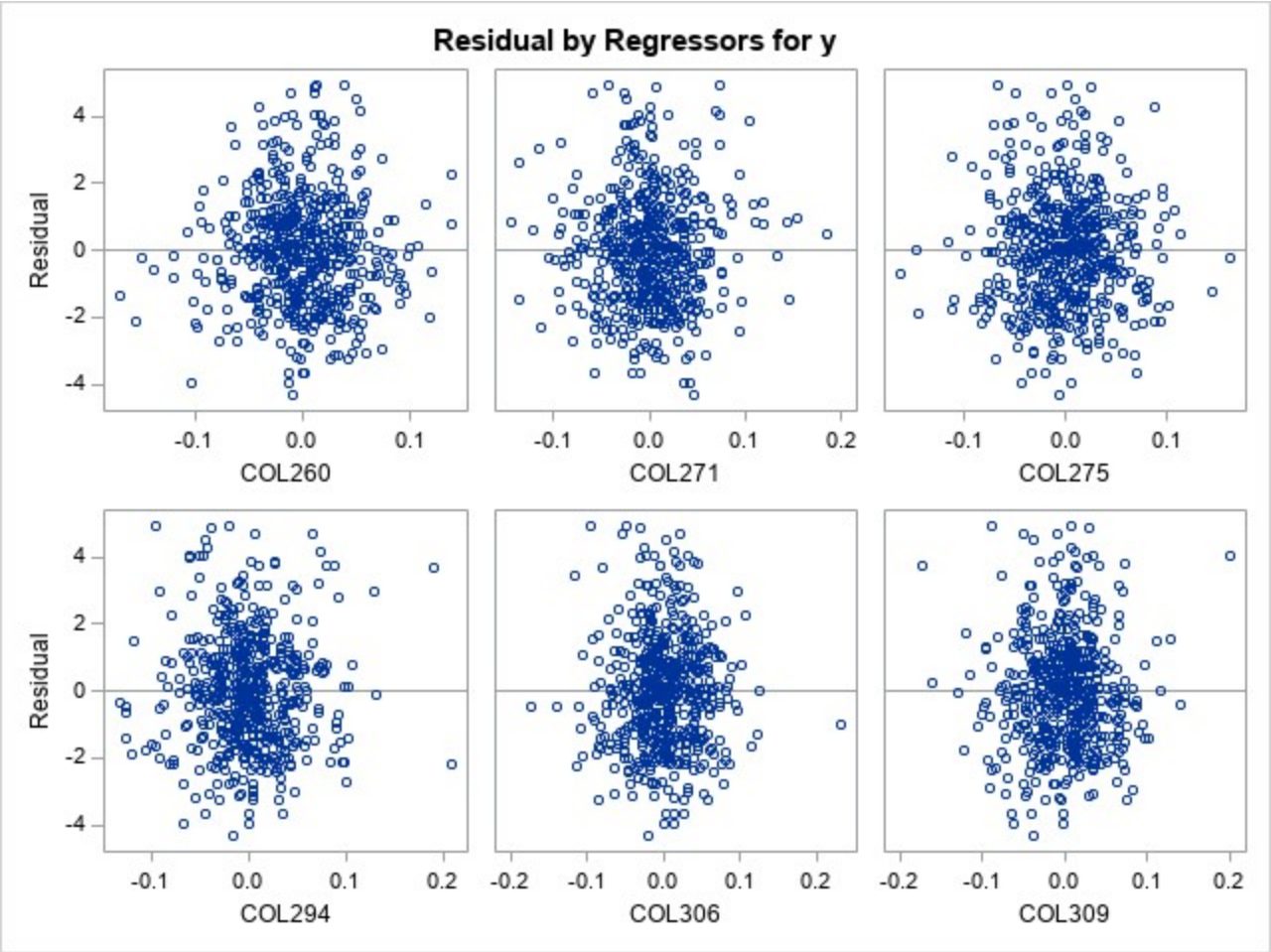
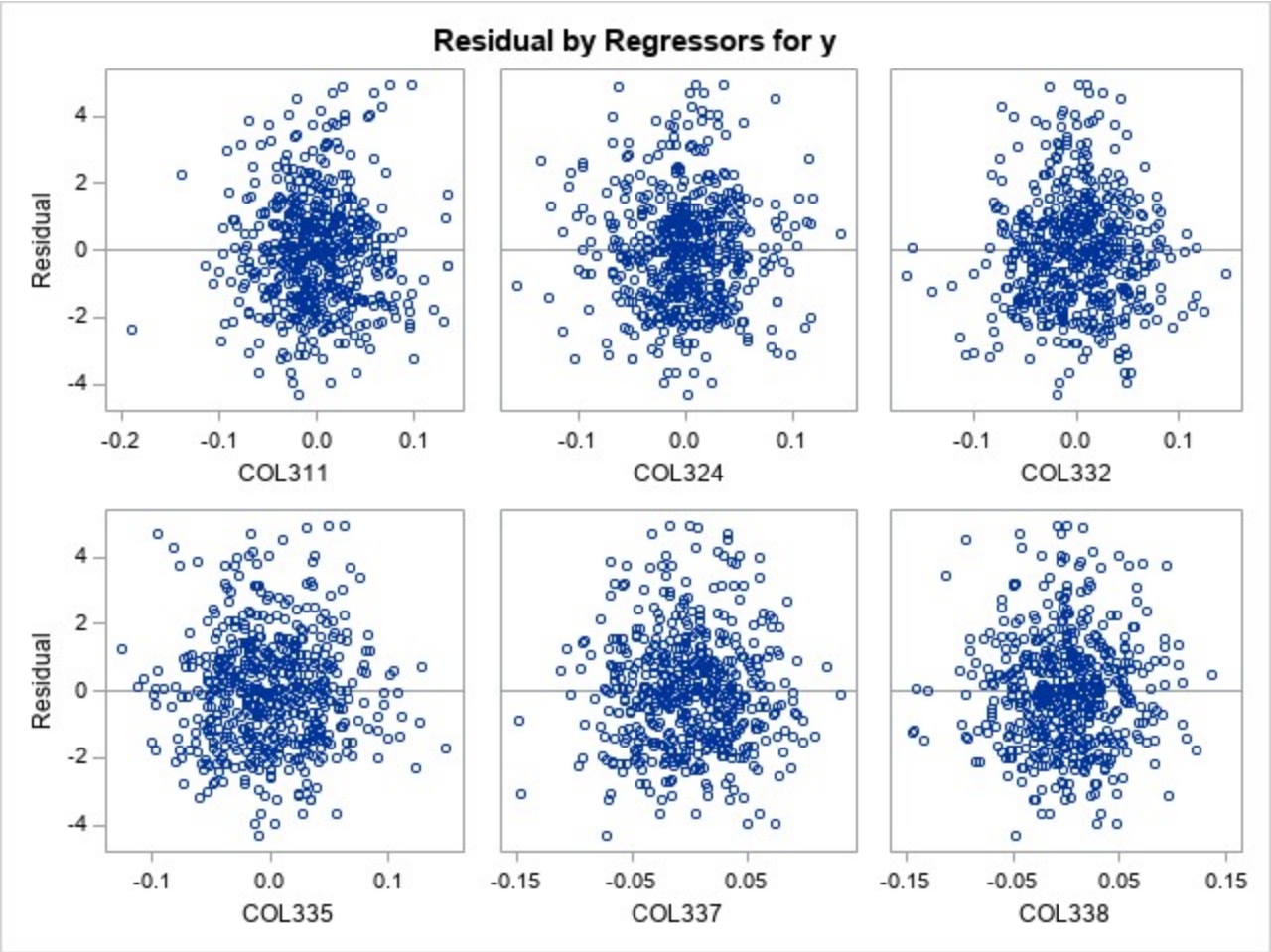
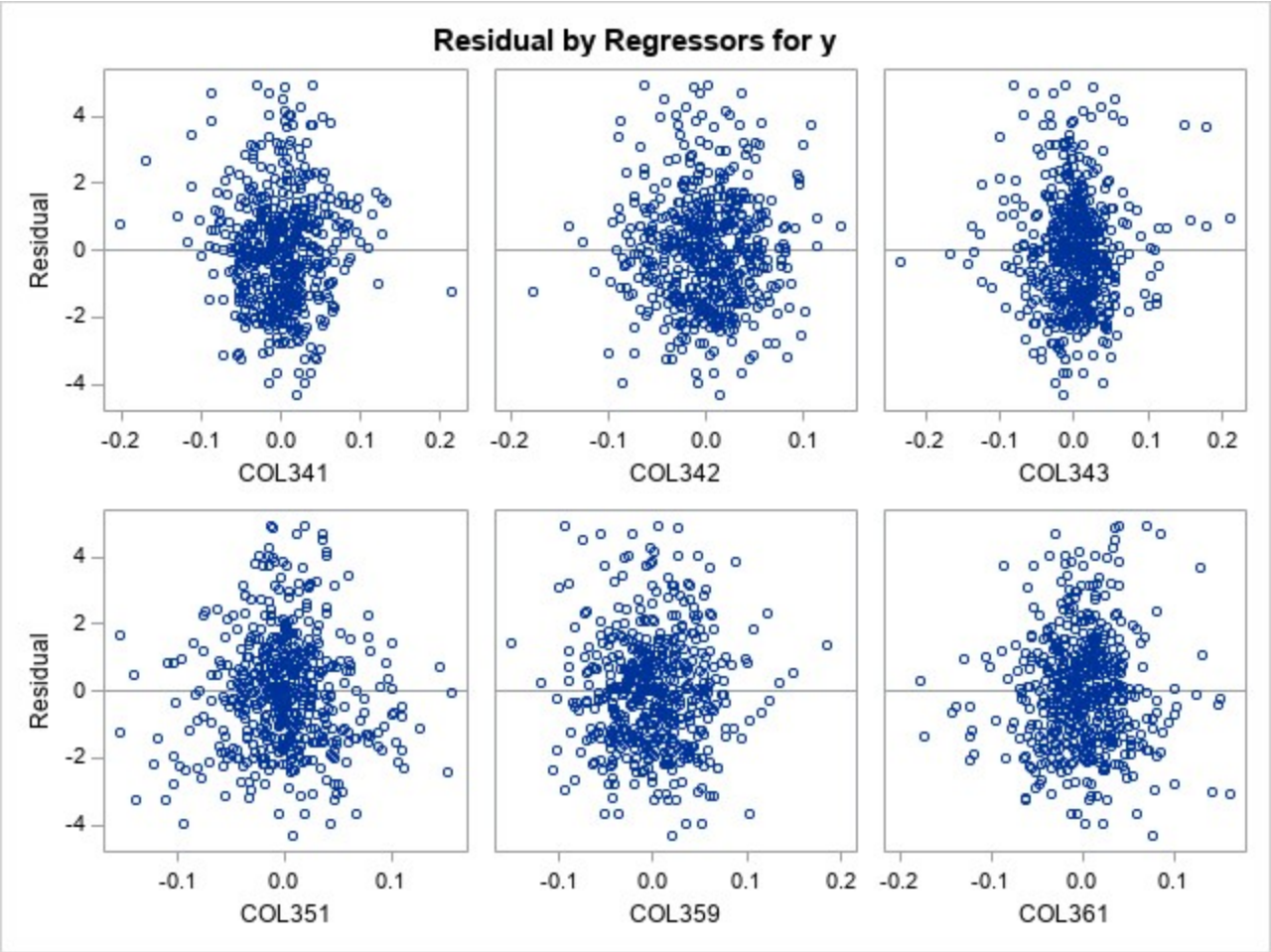
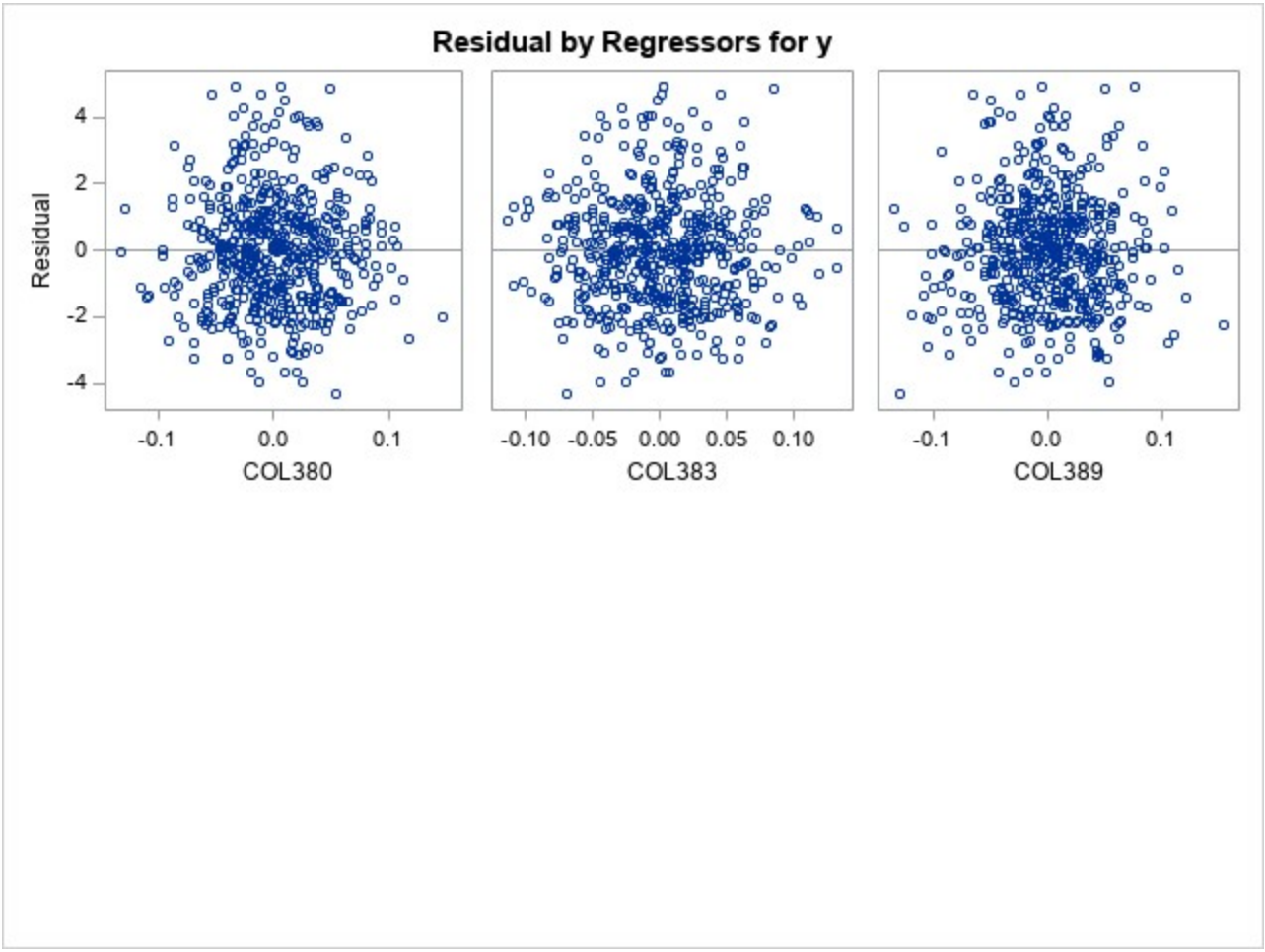
0.0
0.1
0.2
COL252
COL254


Residual by Regressors for y
Residual
4
2
0
-2
-4
-0.1
0.0
0.1
0.2
COL260
COL271
COL275
COL294
COL306
COL309


Residual by Regressors for y
Residual
COL311
COL324
COL332
COL335
COL337
COL338


Residual by Regressors for y
Residual
4
2
0
-2
-4
-0.2
-0.1
0.0
0.1
0.2
COL341
COL342
COL343
COL351
COL359
COL361


Residual by Regressors for y
Residual
4
2
0
-2
-4
-0.1
0.0
0.1
COL380
-0.10
-0.05
0.00
0.05
0.10
COL383
-0.1
0.0
0.1
COL389

PSA-NSA mixtures: SAR-SMA

n
533

mc	gr
-0.019429	0.9806294

emc	smc	zmc	p
-0.086691	0.0261087	2.5762304	0.0049942

mc	gr
0.7662116	0.275188