PSA-NSA mixtures: SAR-SMA

The UNIVARIATE Procedure
Variable: y

Moments			
N	533	Sum Weights	533
Mean	0	Sum Observations	0
Std Deviation	0.00412903	Variance	0.00001705
Skewness	0.01527935	Kurtosis	0.75574667
Uncorrected SS	0.00907001	Corrected SS	0.00907001
Coeff Variation	.	Std Error Mean	0.00017885

Basic Statistical Measures			
Location		Variability	
Mean	0.00000	Std Deviation	0.00413
Median	-0.00003	Variance	0.0000170
Mode	-0.00171	Range	0.02782
		Interquartile Range	0.00463

Note: The mode displayed is the smallest of 6 modes with a count of 2.

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	0	Pr > |t|	1.0000
Sign	M	-3.5	Pr >= |M|	0.7950
Signed Rank	S	146.5	Pr >= |S|	0.9672

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.990556	Pr < W	0.0017
Kolmogorov-Smirnov	D	0.048079	Pr > D	<0.0100
Cramer-von Mises	W-Sq	0.314329	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	1.771786	Pr > A-Sq	<0.0050

Quantiles (Definition 5)	
Level	Quantile
100% Max	1.39945E-02

99%	1.13051E-02
95%	7.06875E-03
90%	4.85032E-03
75% Q3	2.37866E-03
50% Median	-2.82031E-05
25% Q1	-2.25288E-03
10%	-5.22858E-03
5%	-7.02592E-03
1%	-1.07906E-02
0% Min	-1.38244E-02

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
-0.0138244	467	0.0113059	342
-0.0138160	216	0.0115354	442
-0.0111864	485	0.0115461	214
-0.0110119	72	0.0116175	217
-0.0108840	52	0.0139945	320

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	0.0091	0.0091	0.00	1.0000
1	COL4		2	0.0929	0.0083	0.0083	54.39	<.0001
2	COL22		3	0.1697	0.0076	0.0077	49.01	<.0001
3	COL13		4	0.2151	0.0072	0.0073	30.61	<.0001
4	COL33		5	0.2514	0.0069	0.0070	25.61	<.0001
5	COL48		6	0.2795	0.0067	0.0067	20.52	<.0001
6	COL25		7	0.3067	0.0065	0.0065	20.64	<.0001
7	COL14		8	0.3271	0.0063	0.0063	15.90	<.0001
8	COL43		9	0.3452	0.0062	0.0062	14.48	0.0002
9	COL9		10	0.3625	0.0060	0.0061	14.27	0.0002
10	COL17		11	0.3777	0.0059	0.0059	12.68	0.0004
11	COL8		12	0.3909	0.0058	0.0058	11.28	0.0008
12	COL55		13	0.4036	0.0057	0.0057	11.13	0.0009
13	COL87		14	0.4151	0.0056	0.0056	10.19	0.0015
14	COL26		15	0.4260	0.0055	0.0055	9.80	0.0018
15	COL40		16	0.4363	0.0054	0.0055	9.51	0.0022
16	COL31		17	0.4463	0.0053	0.0054	9.32	0.0024
17	COL20		18	0.4562	0.0053	0.0053	9.30	0.0024
18	COL15		19	0.4644	0.0052	0.0052	7.87	0.0052
19	COL238		20	0.4720	0.0052	0.0052	7.43	0.0066
20	COL36		21	0.4796	0.0051	0.0051	7.42	0.0067
21	COL59		22	0.4870	0.0050	0.0051	7.44	0.0066
22	COL95		23	0.4943	0.0050	0.0050	7.39	0.0068
23	COL11		24	0.5017	0.0049	0.0050	7.47	0.0065
24	COL30		25	0.5085	0.0049	0.0050	7.09	0.0080
25	COL57		26	0.5153	0.0048	0.0049	7.09	0.0080
26	COL58		27	0.5219	0.0048	0.0049	7.03	0.0083
27	COL71		28	0.5283	0.0047	0.0048	6.79	0.0094
28	COL61		29	0.5345	0.0047	0.0048	6.75	0.0096

29	COL76		30	0.5405	0.0047	0.0048	6.56	0.0107
30	COL2		31	0.5459	0.0046	0.0047	5.98	0.0148
31	COL28		32	0.5511	0.0046	0.0047	5.82	0.0162
32	COL7		33	0.5561	0.0045	0.0046	5.55	0.0189
33	COL50		34	0.5610	0.0045	0.0046	5.58	0.0185
34	COL68		35	0.5655	0.0045	0.0046	5.25	0.0224
35	COL27		36	0.5701	0.0044	0.0045	5.28	0.0220
36	COL32		37	0.5746	0.0044	0.0045	5.19	0.0231
37	COL93		38	0.5789	0.0044	0.0045	5.15	0.0236
38	COL16		39	0.5833	0.0044	0.0045	5.19	0.0231
39	COL401		40	0.5876	0.0043	0.0044	5.10	0.0243
40	COL254		41	0.5915	0.0043	0.0044	4.65	0.0315
41	COL357		42	0.5952	0.0043	0.0044	4.55	0.0335
42	COL223		43	0.5989	0.0043	0.0044	4.46	0.0351
43	COL329		44	0.6025	0.0042	0.0043	4.46	0.0353
44	COL344		45	0.6061	0.0042	0.0043	4.43	0.0359
45	COL83		46	0.6095	0.0042	0.0043	4.28	0.0390
46	COL276		47	0.6129	0.0042	0.0043	4.25	0.0398
47	COL47		48	0.6159	0.0042	0.0043	3.88	0.0494
48	COL360		49	0.6190	0.0042	0.0043	3.90	0.0489
49	COL96		50	0.6220	0.0041	0.0043	3.82	0.0514
50	COL6		51	0.6248	0.0041	0.0042	3.57	0.0594
51	COL38		52	0.6275	0.0041	0.0042	3.46	0.0635
52	COL229		53	0.6300	0.0041	0.0042	3.33	0.0687
53	COL277		54	0.6325	0.0041	0.0042	3.22	0.0733
54	COL288		55	0.6349	0.0041	0.0042	3.14	0.0770
55	COL53		56	0.6373	0.0041	0.0042	3.14	0.0770
56	COL29		57	0.6396	0.0041	0.0042	3.05	0.0816
57	COL267		58	0.6419	0.0041	0.0042	3.00	0.0837
58	COL268		59	0.6441	0.0041	0.0042	3.00	0.0840
59	COL291		60	0.6463	0.0041	0.0041	2.88	0.0902
60	COL265		61	0.6484	0.0041	0.0041	2.89	0.0899
61	COL37		62	0.6505	0.0040	0.0041	2.82	0.0937
62	COL90		63	0.6525	0.0040*	0.0041*	2.75	0.0979

*** 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	COL82	0.1009	>	0.1000	(SLE)
Removal	COL90	0.0979	<	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 62.

Effects:	Intercept COL2 COL4 COL6 COL7 COL8 COL9 COL11 COL13 COL14 COL15 COL16 COL17 COL20 COL22 COL25 COL26 COL27 COL28 COL29 COL30 COL31 COL32 COL33 COL36 COL37 COL38 COL40 COL43 COL47 COL48 COL50 COL53 COL55 COL57 COL58 COL59 COL61 COL68 COL71 COL76 COL83 COL87 COL90 COL93 COL95 COL96 COL223 COL229 COL238 COL254 COL265 COL267 COL268 COL276 COL277 COL288 COL291 COL329 COL344 COL357 COL360 COL401

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value
Model	62	0.00592	0.00009546	14.24
Error	470	0.00315	0.00000671	
Corrected Total	532	0.00907		

Root MSE	0.00259
Dependent Mean	2.86799E-17
R-Square	0.6525
Adj R-Sq	0.6067
AIC	-5755.47337
AICC	-5737.69559
PRESS	0.00404
SBC	-6020.92652
CV PRESS	0.00409

Parameter Estimates

Parameter	DF	Estimate	Standard Error	t Value
Intercept	1	2.788476E-17	0.000112	0.00
COL2	1	-0.007002	0.002589	-2.70
COL4	1	0.029029	0.002589	11.21
COL6	1	0.005021	0.002589	1.94
COL7	1	-0.006683	0.002589	-2.58
COL8	1	0.010936	0.002589	4.22

COL9	1	-0.012560	0.002589	-4.85
COL11	1	-0.008144	0.002589	-3.15
COL13	1	0.020297	0.002589	7.84
COL14	1	0.013595	0.002589	5.25
COL15	1	-0.008624	0.002589	-3.33
COL16	1	-0.006303	0.002589	-2.43
COL17	1	-0.011711	0.002589	-4.52
COL20	1	-0.009439	0.002589	-3.65
COL22	1	0.026388	0.002589	10.19
COL25	1	-0.015710	0.002589	-6.07
COL26	1	0.009925	0.002589	3.83
COL27	1	0.006436	0.002589	2.49
COL28	1	-0.006875	0.002589	-2.65
COL29	1	0.004573	0.002589	1.77
COL30	1	-0.007890	0.002589	-3.05
COL31	1	-0.009525	0.002589	-3.68
COL32	1	0.006354	0.002589	2.45
COL33	1	0.018147	0.002589	7.01
COL36	1	0.008273	0.002589	3.20
COL37	1	0.004357	0.002589	1.68
COL38	1	0.004930	0.002589	1.90
COL40	1	-0.009698	0.002589	-3.75
COL43	1	-0.012810	0.002589	-4.95
COL47	1	0.005280	0.002589	2.04
COL48	1	0.015954	0.002589	6.16
COL50	1	-0.006675	0.002589	-2.58
COL53	1	0.004654	0.002589	1.80
COL55	1	0.010759	0.002589	4.16
COL57	1	-0.007843	0.002589	-3.03
COL58	1	0.007759	0.002589	3.00
COL59	1	0.008229	0.002589	3.18
COL61	1	-0.007520	0.002589	-2.90
COL68	1	-0.006445	0.002589	-2.49
COL71	1	-0.007586	0.002589	-2.93
COL76	1	0.007374	0.002589	2.85

	1	0.005582	0.002589	2.16
COL87	1	-0.010207	0.002589	-3.94
COL90	1	0.004295	0.002589	1.66
COL93	1	0.006306	0.002589	2.44
COL95	1	0.008150	0.002589	3.15
COL96	1	-0.005204	0.002589	-2.01
COL223	1	-0.005757	0.002589	-2.22
COL229	1	0.004825	0.002589	1.86
COL238	1	0.008330	0.002589	3.22
COL254	1	0.005918	0.002589	2.29
COL265	1	0.004417	0.002589	1.71
COL267	1	-0.004533	0.002589	-1.75
COL268	1	-0.004518	0.002589	-1.74
COL276	1	0.005541	0.002589	2.14
COL277	1	0.004734	0.002589	1.83
COL288	1	0.004665	0.002589	1.80
COL291	1	0.004422	0.002589	1.71
COL329	1	-0.005732	0.002589	-2.21
COL344	1	-0.005694	0.002589	-2.20
COL357	1	0.005830	0.002589	2.25
COL360	1	0.005275	0.002589	2.04
COL401	1	-0.006222	0.002589	-2.40

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	0.00592	0.00592	997.24	<.0001
Error	531	0.00315	0.00000593		
Corrected Total	532	0.00907			

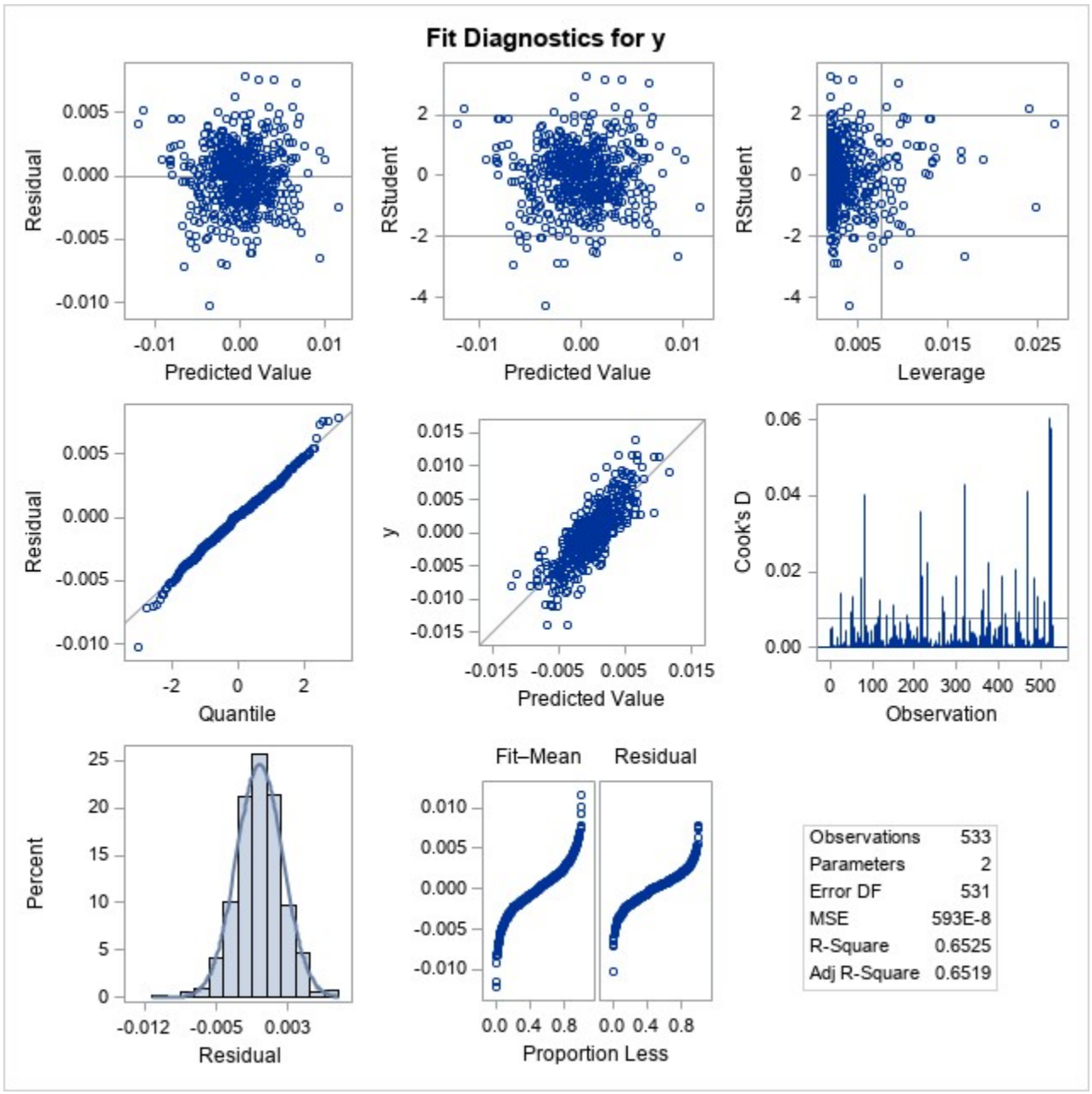
Root MSE	0.00244	R-Square	0.6525
Dependent Mean	2.86799E-17	Adj R-Sq	0.6519
Coeff Var	8.494366E15		

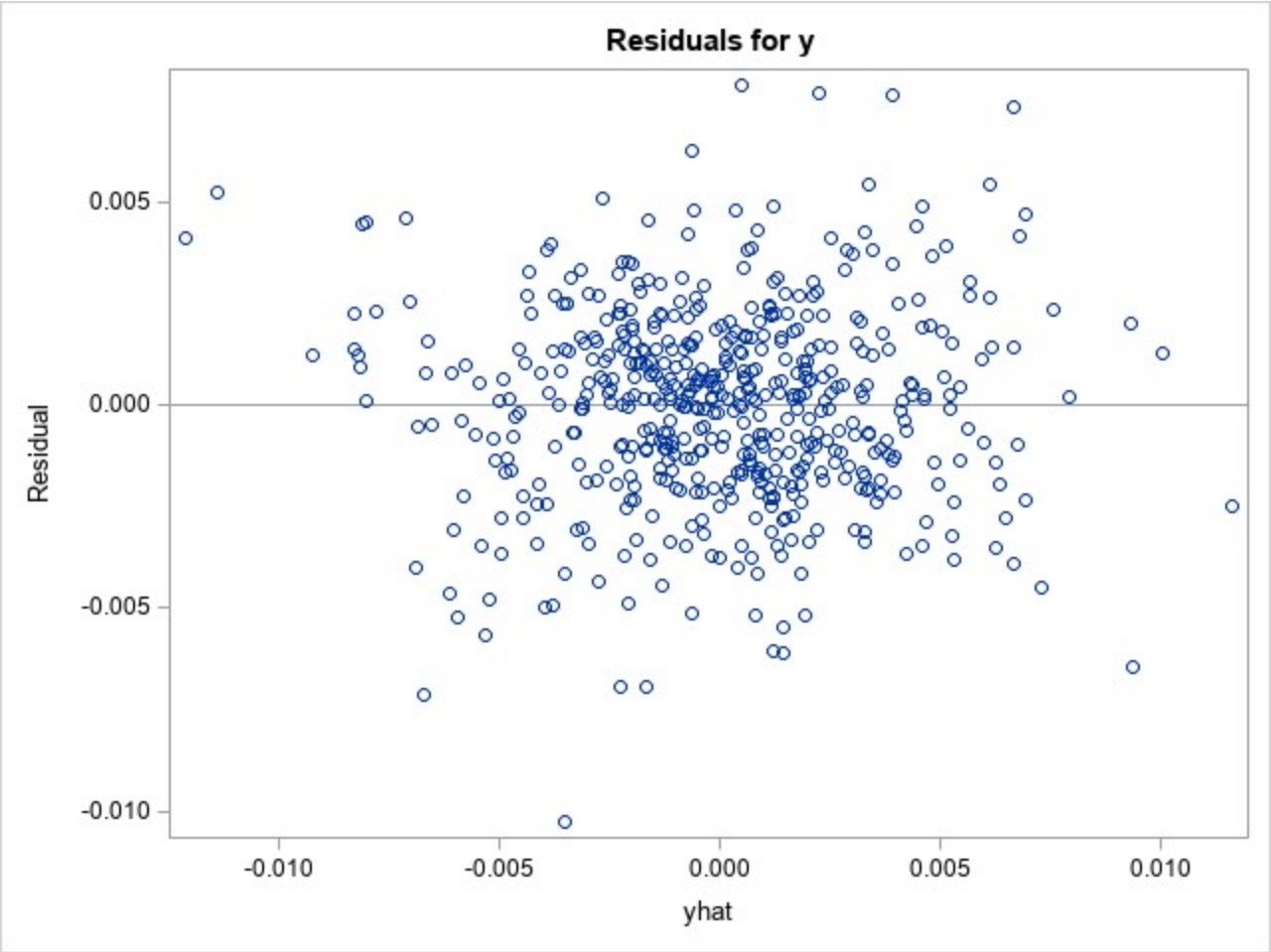
Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	9.76392E-20	0.00010552	0.00	1.0000
yhat	1	1.00000	0.03167	31.58	<.0001

PSA-NSA mixtures: SAR-SMA

The REG Procedure
Model: MODEL1
Dependent Variable: y




Residuals for y
Residual
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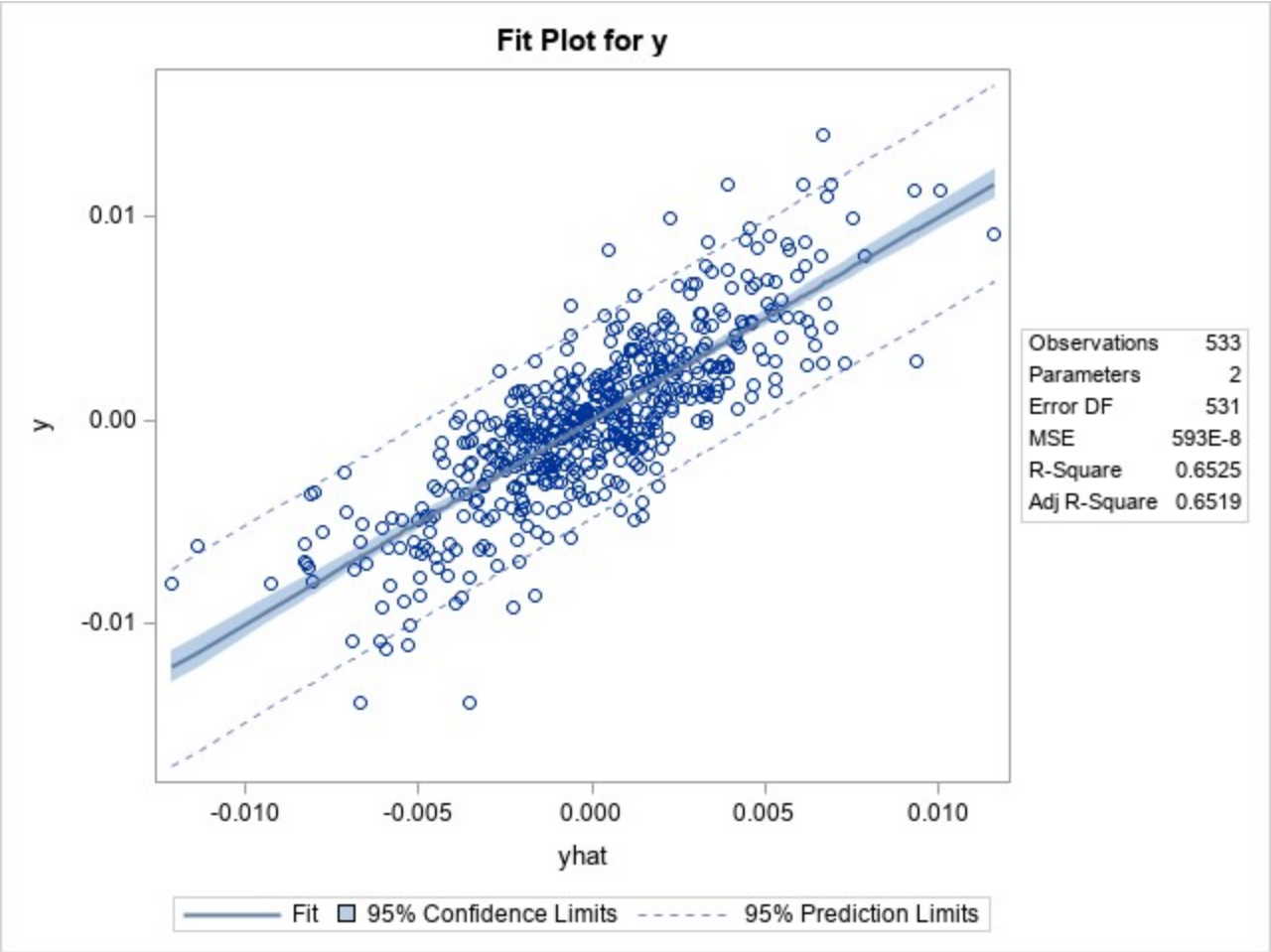
0.000
-0.005
-0.010
-0.010
-0.005
0.000
0.005
0.010
yhat


Fit Plot for y
0.01
0.00
-0.01
y
-0.010
-0.005
0.000
0.005
0.010
yhat
Observations 533
Parameters 2
Error DF 531
MSE 593E-8
R-Square 0.6525
Adj R-Square 0.6519
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	0.00243388	Variance	5.92379E-6
Skewness	-0.1266597	Kurtosis	0.80696794
Uncorrected SS	0.00315146	Corrected SS	0.00315146
Coeff Variation	.	Std Error Mean	0.00010542

Basic Statistical Measures			
Location		Variability	
Mean	0.000000	Std Deviation	0.00243
Median	0.000172	Variance	5.92379E-6
Mode	.	Range	0.01814
		Interquartile Range	0.00312

Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	0	Pr > |t|	1.0000
Sign	M	17.5	Pr >= |M|	0.1408
Signed Rank	S	980.5	Pr >= |S|	0.7831

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.993251	Pr < W	0.0172
Kolmogorov-Smirnov	D	0.043271	Pr > D	0.0165
Cramer-von Mises	W-Sq	0.126106	Pr > W-Sq	0.0497
Anderson-Darling	A-Sq	0.741612	Pr > A-Sq	0.0539

Quantiles (Definition 5)	
Level	Quantile
100% Max	0.007873417
99%	0.005426699

95%	0.003901925
90%	0.002807917
75% Q3	0.001497296
50% Median	0.000171748
25% Q1	-0.001619716
10%	-0.003093851
5%	-0.003894909
1%	-0.006126769
0% Min	-0.010265758

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
-0.01026576	216	0.00627496	187
-0.00710907	467	0.00731821	320
-0.00695949	449	0.00764444	214
-0.00691836	149	0.00765462	266
-0.00644759	520	0.00787342	358

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	0.00272	0.00006646	5.14	<.0001
Error	491	0.00635	0.00001292		
Corrected Total	532	0.00907			

Root MSE	0.00359	R-Square	0.3004
Dependent Mean	2.86799E-17	Adj R-Sq	0.2420
Coeff Var	1.253434E16		

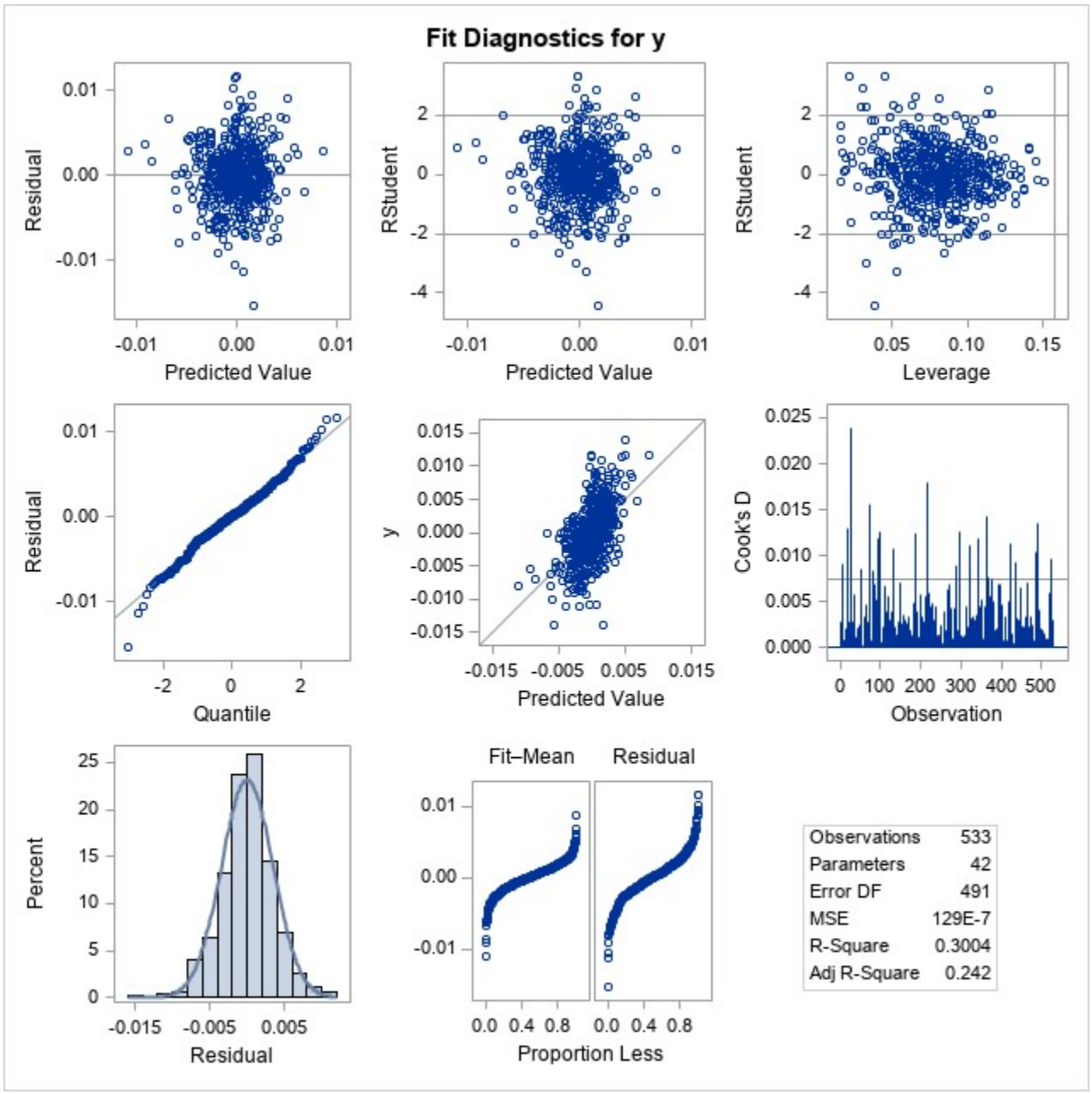
Parameter Estimates

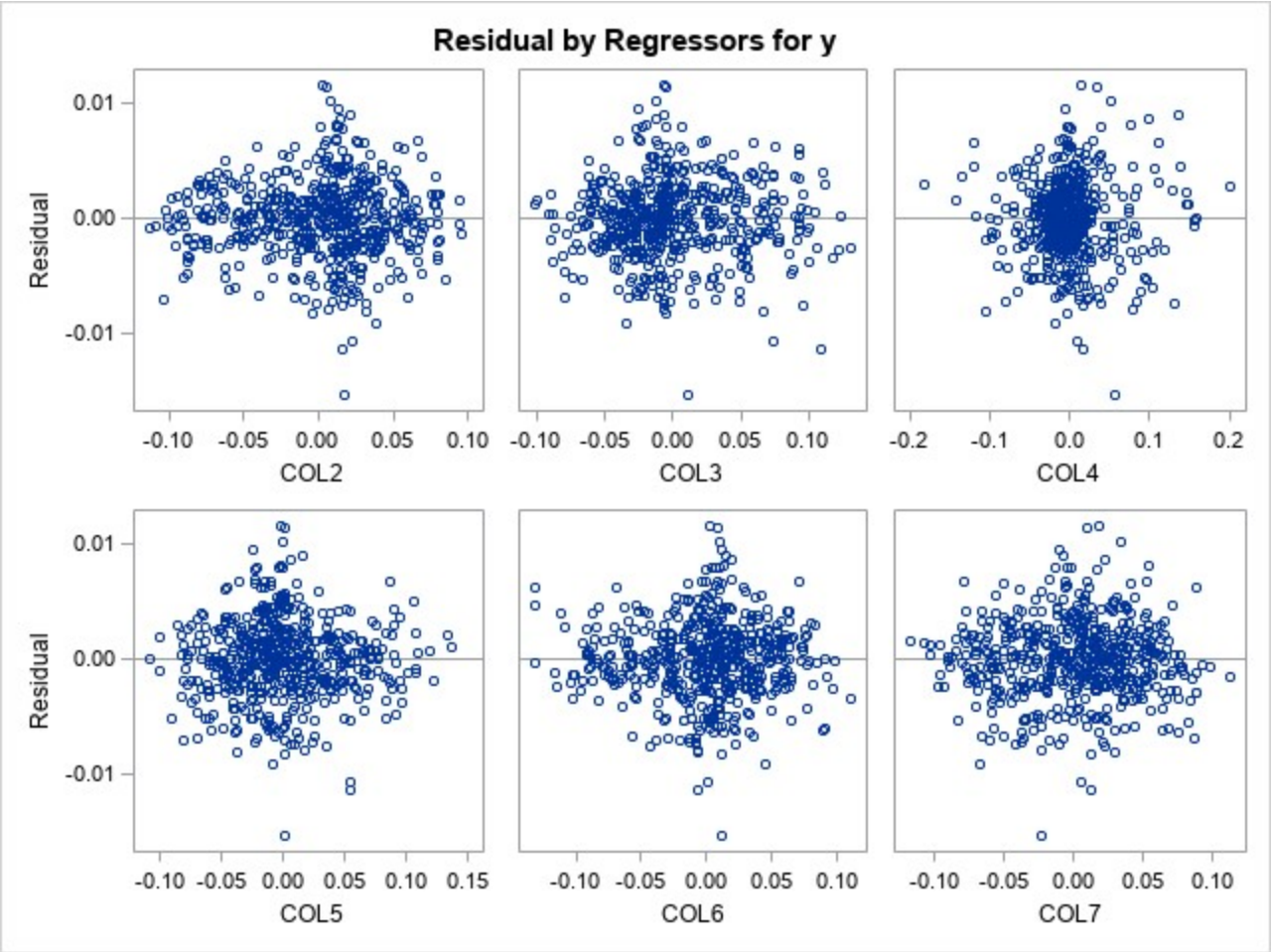
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	2.86622E-17	0.00015571	0.00	1.0000
COL2	1	-0.00700	0.00359	-1.95	0.0520
COL3	1	0.00353	0.00359	0.98	0.3268
COL4	1	0.02903	0.00359	8.08	<.0001
COL5	1	0.00334	0.00359	0.93	0.3531
COL6	1	0.00502	0.00359	1.40	0.1632
COL7	1	-0.00668	0.00359	-1.86	0.0636
COL8	1	0.01094	0.00359	3.04	0.0025
COL9	1	-0.01256	0.00359	-3.49	0.0005
COL10	1	-0.00278	0.00359	-0.77	0.4396
COL12	1	0.00040455	0.00359	0.11	0.9104
COL13	1	0.02030	0.00359	5.65	<.0001
COL14	1	0.01359	0.00359	3.78	0.0002
COL15	1	-0.00862	0.00359	-2.40	0.0168
COL16	1	-0.00630	0.00359	-1.75	0.0802

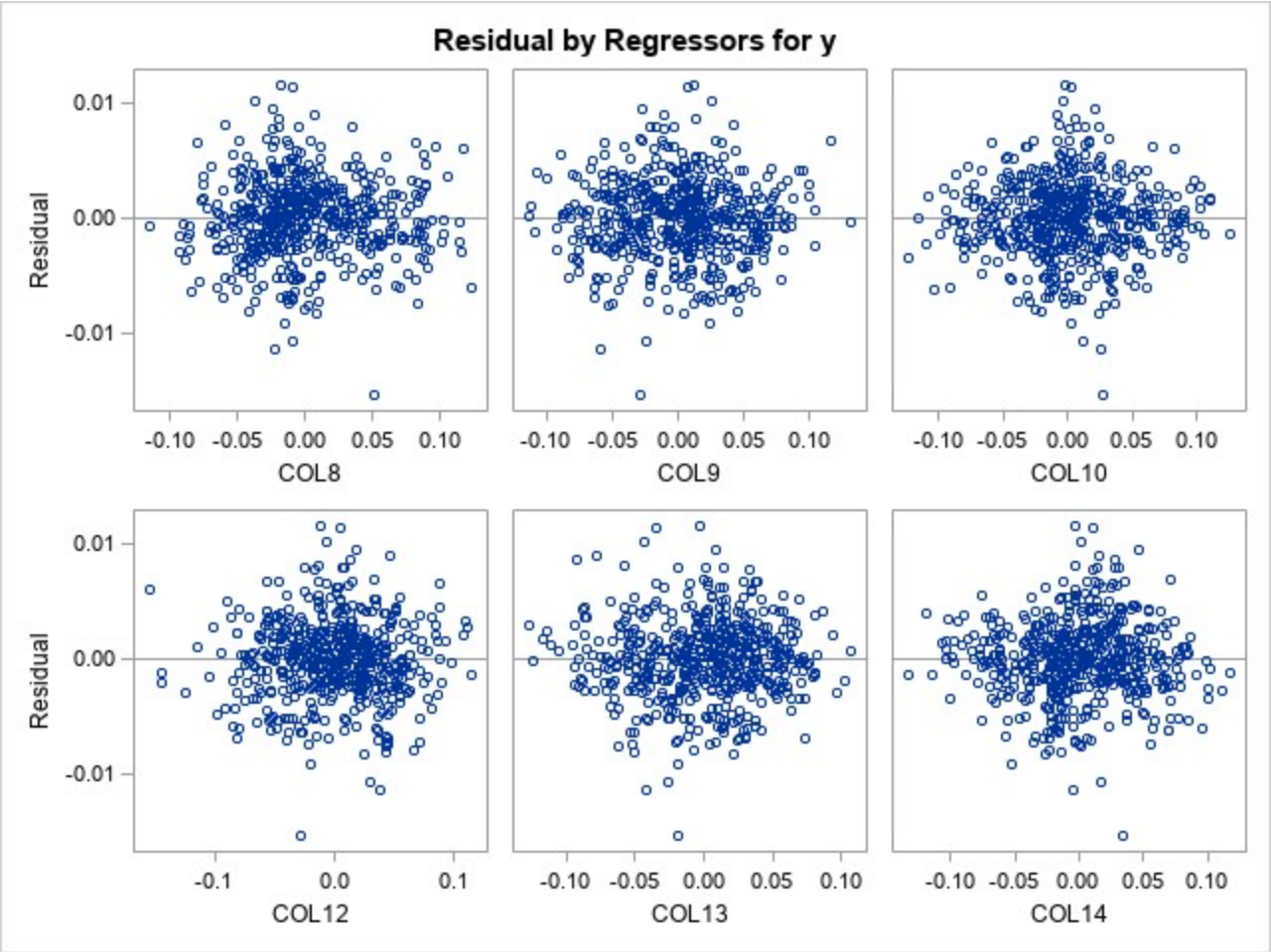
COL18	1	0.00105	0.00359	0.29	0.7707
COL19	1	0.00079635	0.00359	0.22	0.8248
COL20	1	-0.00944	0.00359	-2.63	0.0089
COL25	1	-0.01571	0.00359	-4.37	<.0001
COL26	1	0.00992	0.00359	2.76	0.0060
COL29	1	0.00457	0.00359	1.27	0.2039
COL32	1	0.00635	0.00359	1.77	0.0778
COL39	1	-0.00399	0.00359	-1.11	0.2678
COL42	1	-0.00340	0.00359	-0.95	0.3448
COL45	1	-0.00295	0.00359	-0.82	0.4115
COL46	1	0.00053185	0.00359	0.15	0.8824
COL47	1	0.00528	0.00359	1.47	0.1425
COL49	1	-0.00032404	0.00359	-0.09	0.9282
COL50	1	-0.00667	0.00359	-1.86	0.0640
COL53	1	0.00465	0.00359	1.29	0.1961
COL54	1	0.00065486	0.00359	0.18	0.8555
COL56	1	-0.00239	0.00359	-0.67	0.5063
COL61	1	-0.00752	0.00359	-2.09	0.0369
COL64	1	0.00172	0.00359	0.48	0.6317
COL65	1	0.00030860	0.00359	0.09	0.9316
COL67	1	0.00318	0.00359	0.88	0.3773
COL72	1	-0.00403	0.00359	-1.12	0.2631
COL73	1	0.00127	0.00359	0.35	0.7230
COL77	1	0.00217	0.00359	0.60	0.5456
COL79	1	-0.00257	0.00359	-0.72	0.4747
COL81	1	0.00281	0.00359	0.78	0.4342
COL98	1	0.00159	0.00359	0.44	0.6578

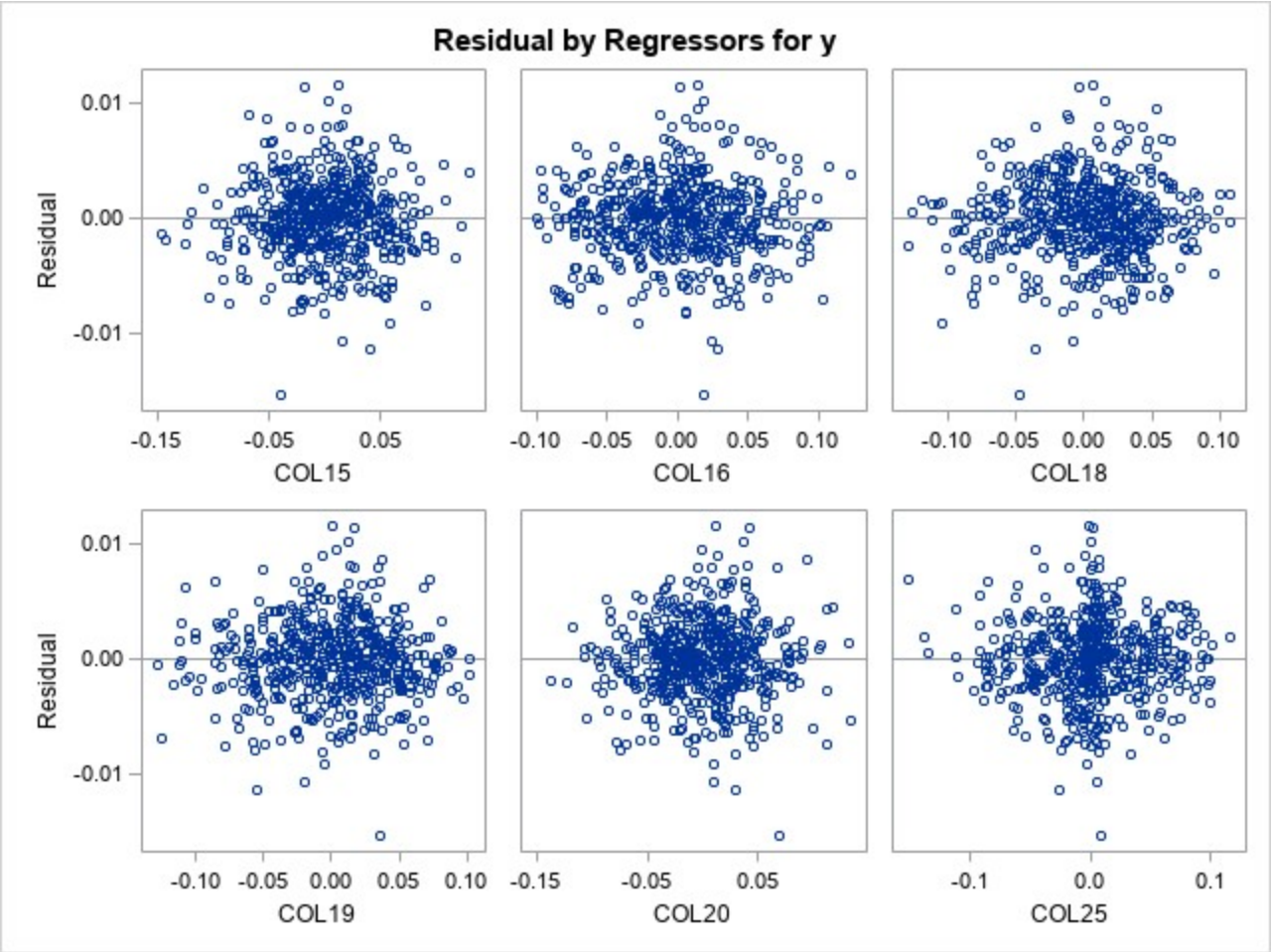
PSA-NSA mixtures: SAR-SMA

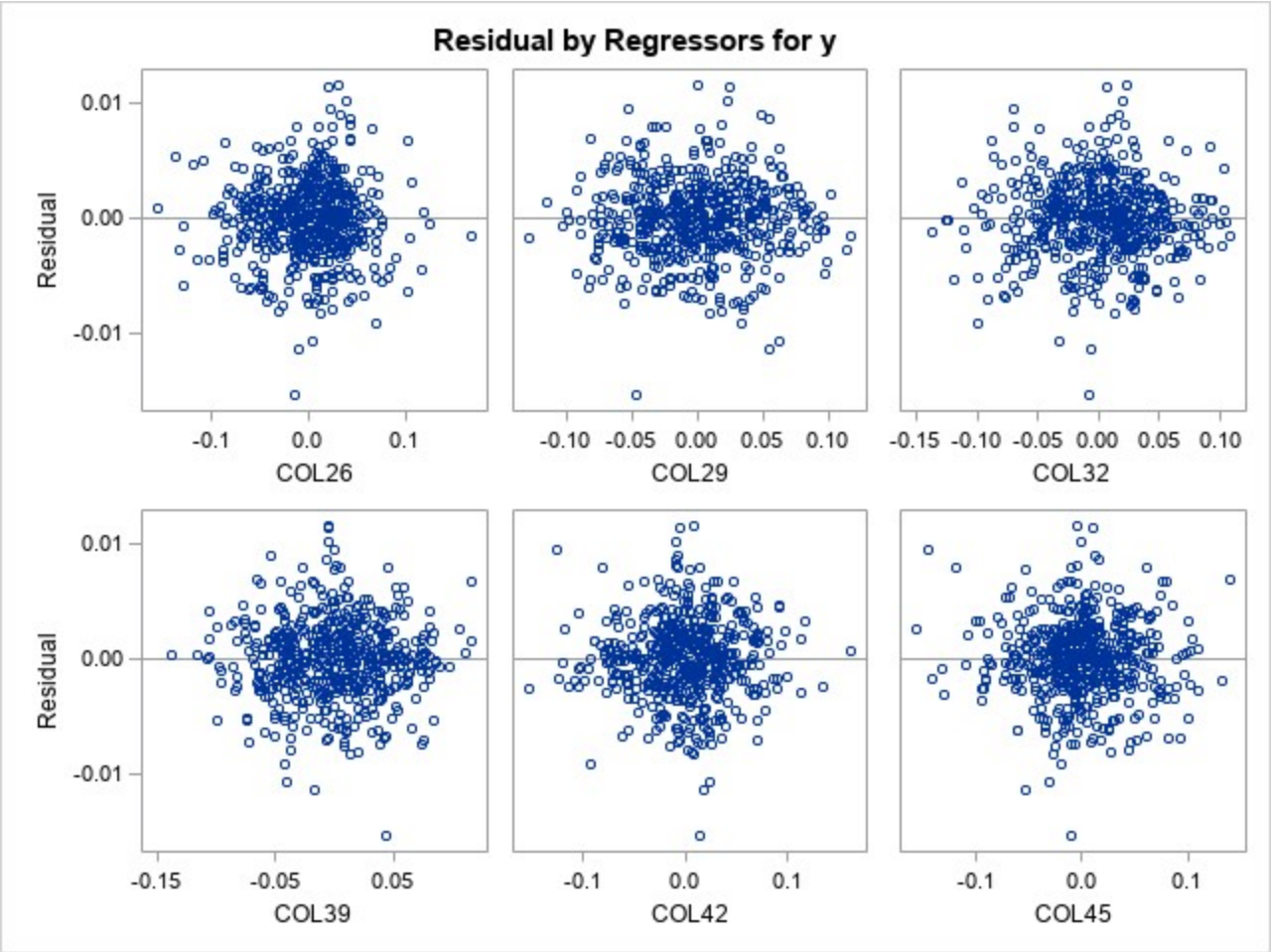
The REG Procedure
Model: MODEL1
Dependent Variable: y

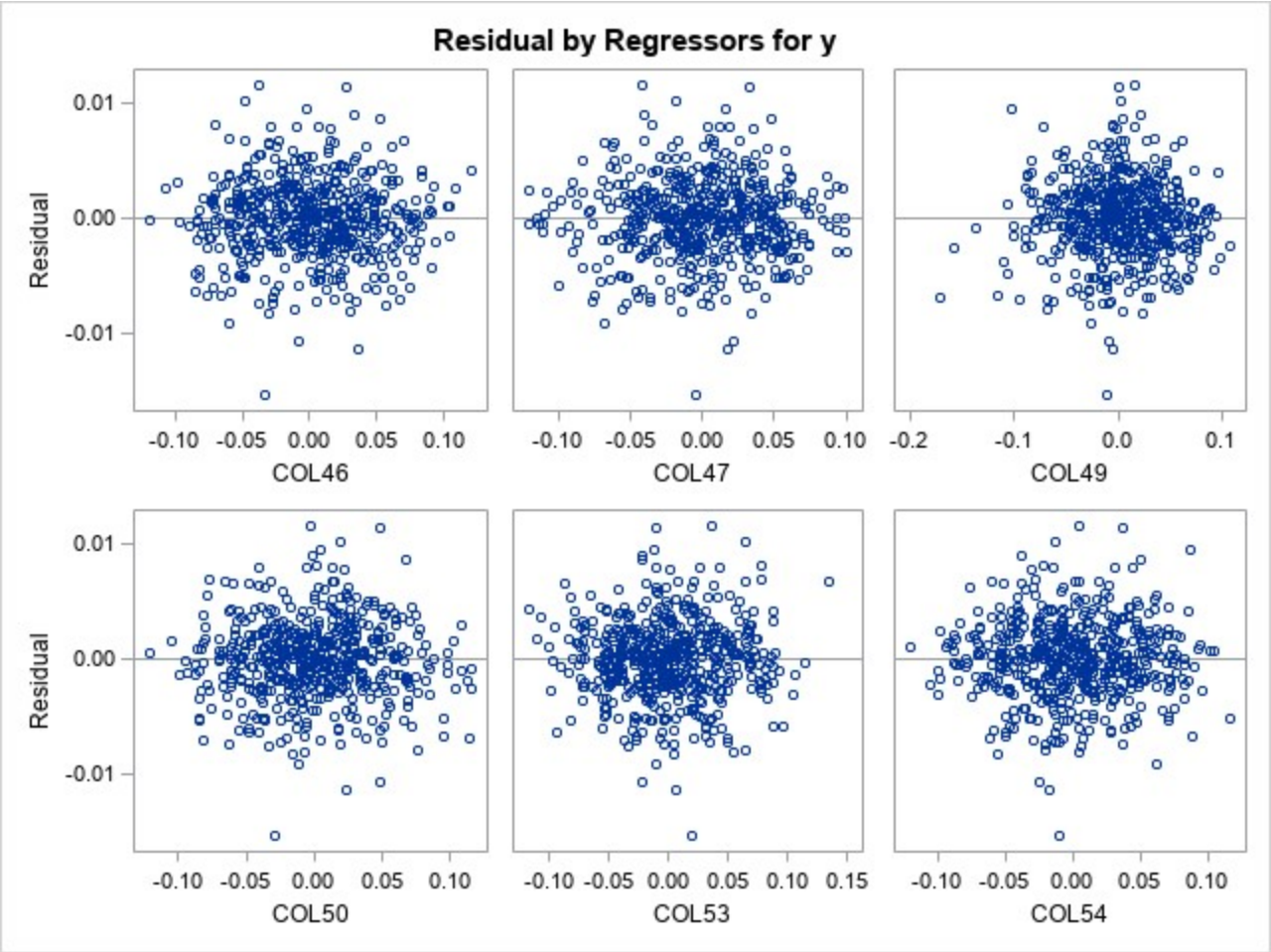


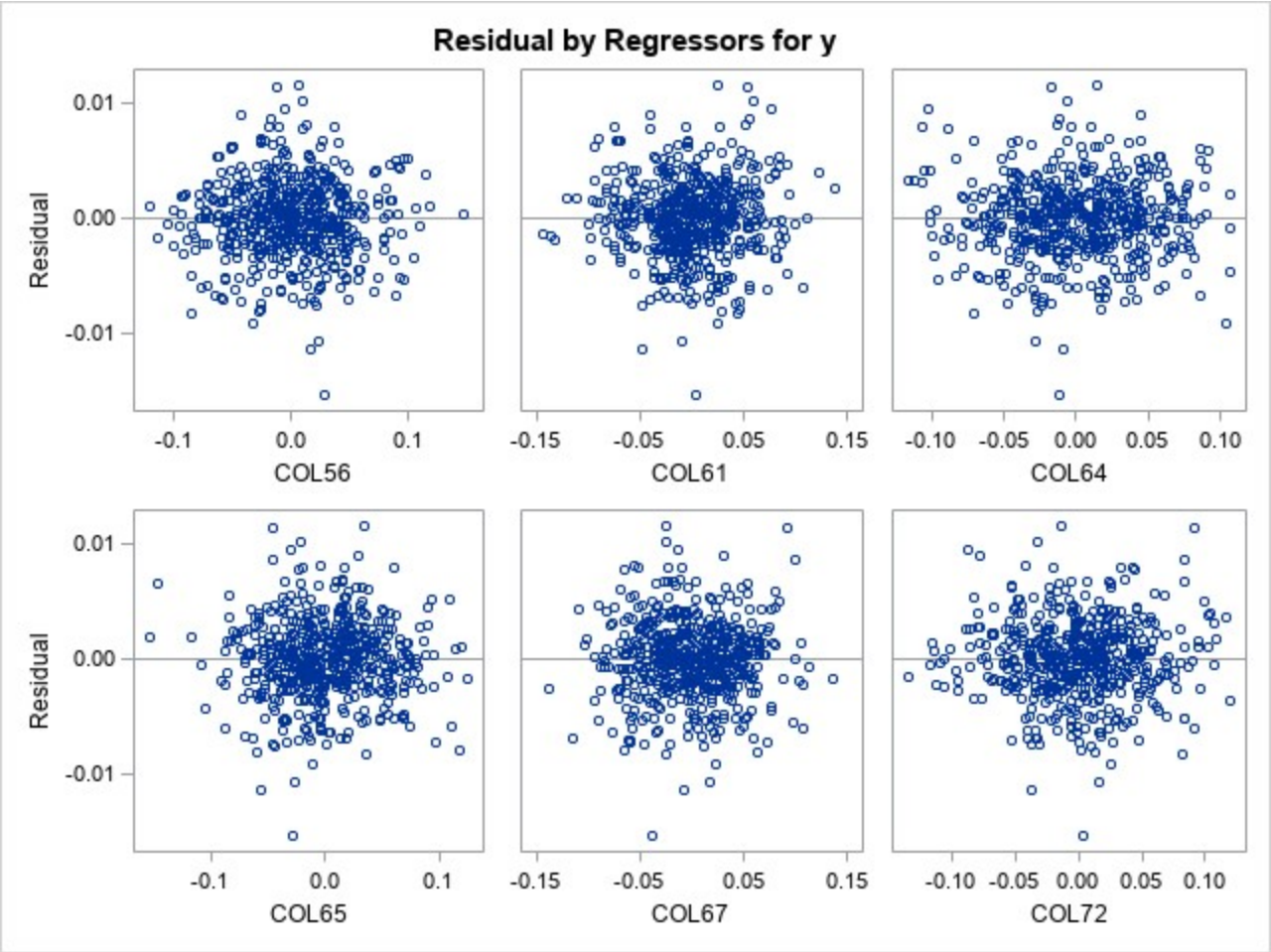

Residual by Regressors for y
Residual
0.01
0.00
-0.01
-0.10 -0.05 0.00 0.05 0.10
COL2
-0.10 -0.05 0.00 0.05 0.10
COL3
-0.2 -0.1 0.0 0.1 0.2
COL4
Residual
0.01
0.00
-0.01
-0.10 -0.05 0.00 0.05 0.10 0.15
COL5
-0.10 -0.05 0.00 0.05 0.10
COL6
-0.10 -0.05 0.00 0.05 0.10
COL7

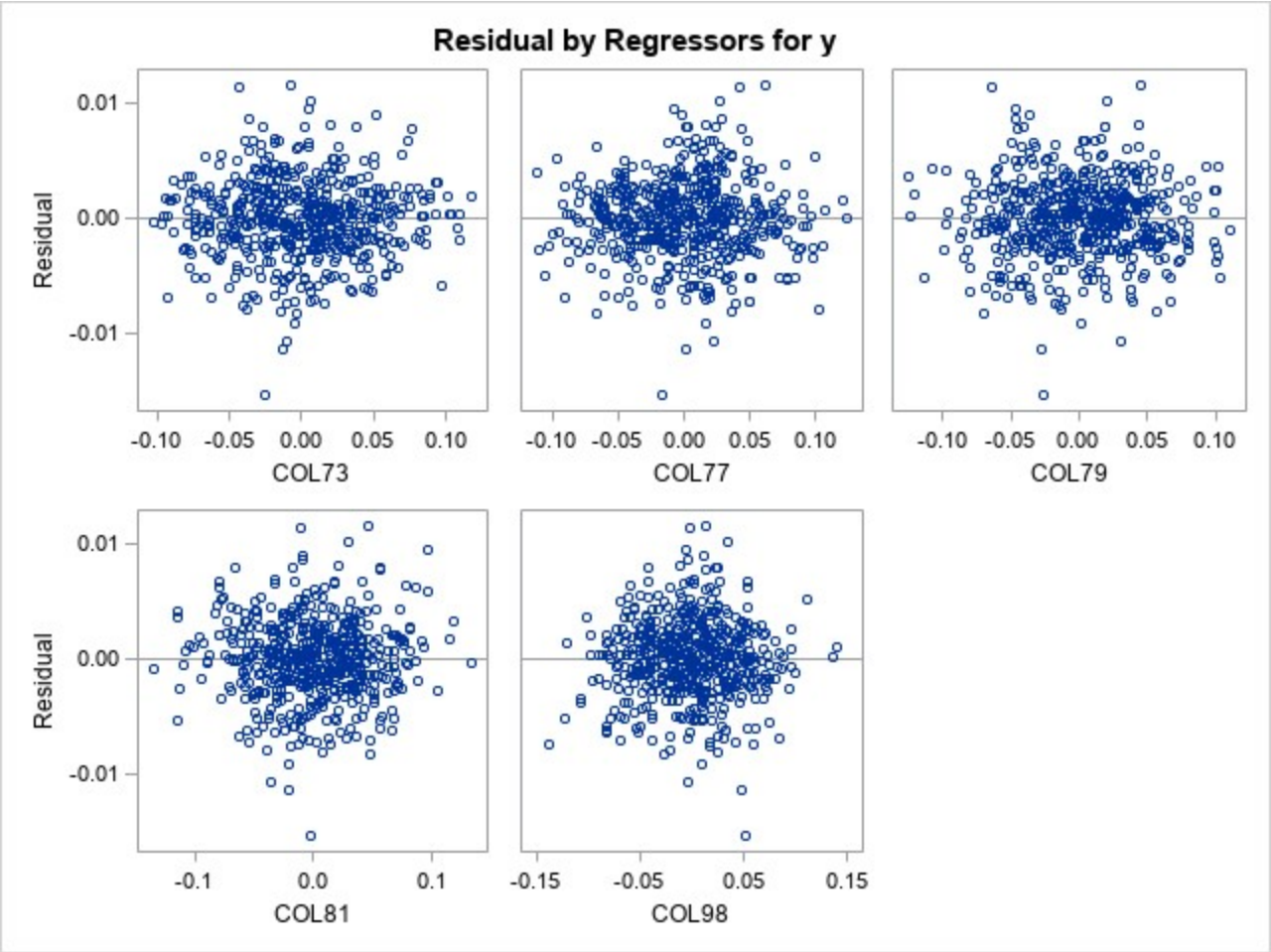

Residual by Regressors for y
Residual
0.01
0.00
-0.01
-0.10 -0.05 0.00 0.05 0.10
COL8
COL9
COL10
-0.1 0.0 0.1
COL12
COL13
COL14


Residual by Regressors for y
Residual
0.01
0.00
-0.01
-0.15
-0.05
0.05
COL15
-0.10
-0.05
0.00
0.05
0.10
COL16
COL18
COL19
-0.15
COL20
-0.1
0.0
0.1
COL25


Residual by Regressors for y
Residual
0.01
0.00
-0.01
-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
0.01
0.00
-0.01
-0.15
-0.05
0.05
COL39
-0.1
0.0
0.1
COL42
-0.1
0.0
0.1
COL45


Residual by Regressors for y
Residual
0.01
0.00
-0.01
-0.10 -0.05 0.00 0.05 0.10
COL46
-0.10 -0.05 0.00 0.05 0.10
COL47
-0.2 -0.1 0.0 0.1
COL49
Residual
0.01
0.00
-0.01
-0.10 -0.05 0.00 0.05 0.10
COL50
-0.10 -0.05 0.00 0.05 0.10 0.15
COL53
-0.10 -0.05 0.00 0.05 0.10
COL54


Residual by Regressors for y
Residual
0.01
0.00
-0.01
-0.1
0.0
0.1
COL56
-0.15
-0.05
0.05
0.15
COL61
-0.10
-0.05
0.00
0.05
0.10
COL64
COL65
COL67
COL72


Residual by Regressors for y
Residual
0.01
0.00
-0.01
-0.10 -0.05 0.00 0.05 0.10
COL73
COL77
COL79
-0.1 0.0 0.1
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	0.00027415	0.00000831	0.47	0.9951
Error	499	0.00880	0.00001763		
Corrected Total	532	0.00907			

Root MSE	0.00420	R-Square	0.0302
Dependent Mean	2.86799E-17	Adj R-Sq	-0.0339
Coeff Var	1.4639E16		

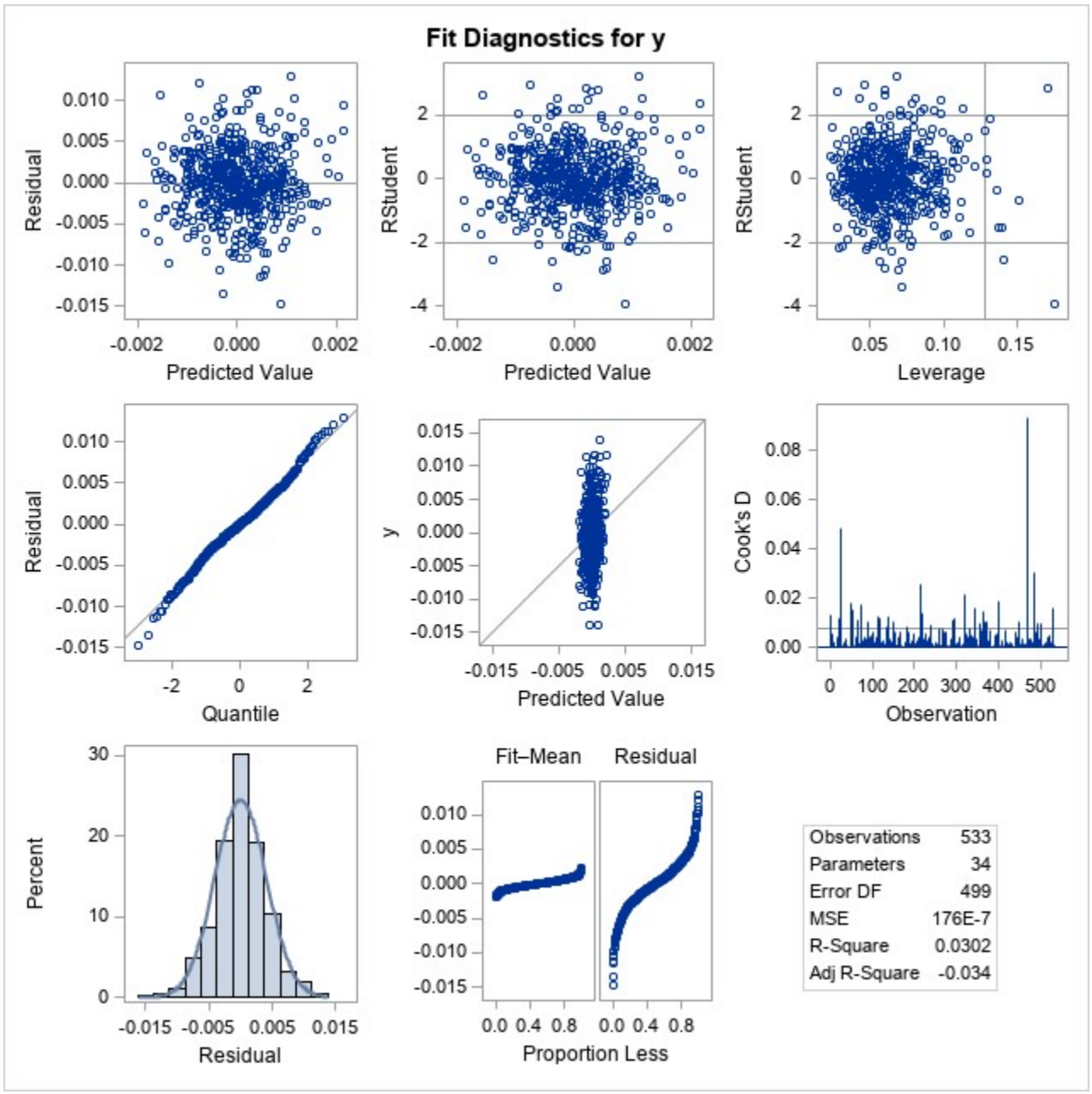
Parameter Estimates

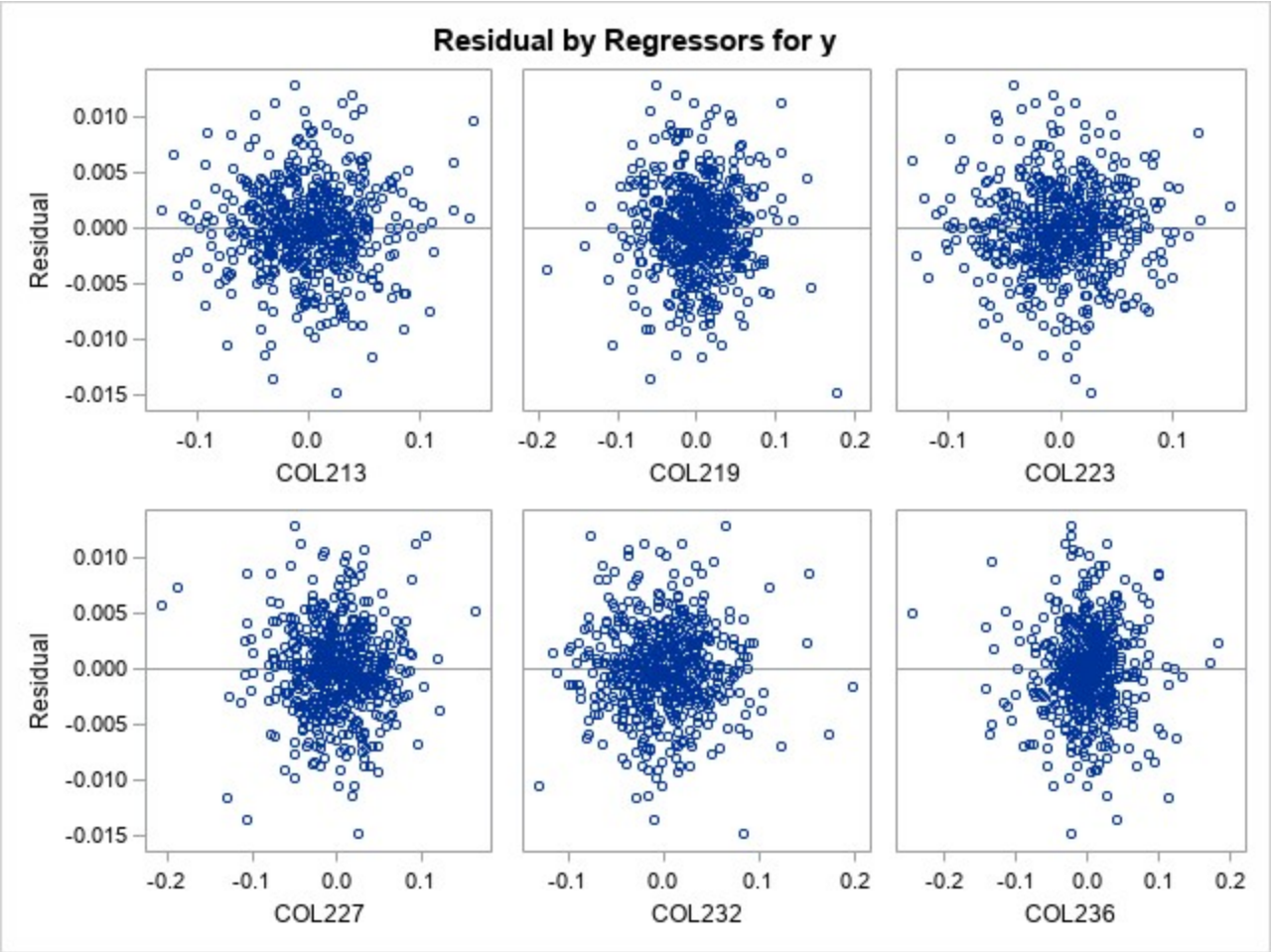
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	2.74634E-17	0.00018186	0.00	1.0000
COL213	1	0.00053771	0.00420	0.13	0.8981
COL219	1	0.00129	0.00420	0.31	0.7594
COL223	1	-0.00576	0.00420	-1.37	0.1709
COL227	1	0.00045639	0.00420	0.11	0.9135
COL232	1	0.00267	0.00420	0.64	0.5245
COL236	1	0.00080073	0.00420	0.19	0.8488
COL238	1	0.00833	0.00420	1.98	0.0478
COL248	1	-0.00415	0.00420	-0.99	0.3236
COL249	1	0.00102	0.00420	0.24	0.8076
COL250	1	0.00202	0.00420	0.48	0.6300
COL252	1	0.00072138	0.00420	0.17	0.8636
COL254	1	0.00592	0.00420	1.41	0.1593
COL260	1	0.00061034	0.00420	0.15	0.8845
COL271	1	-0.00289	0.00420	-0.69	0.4916

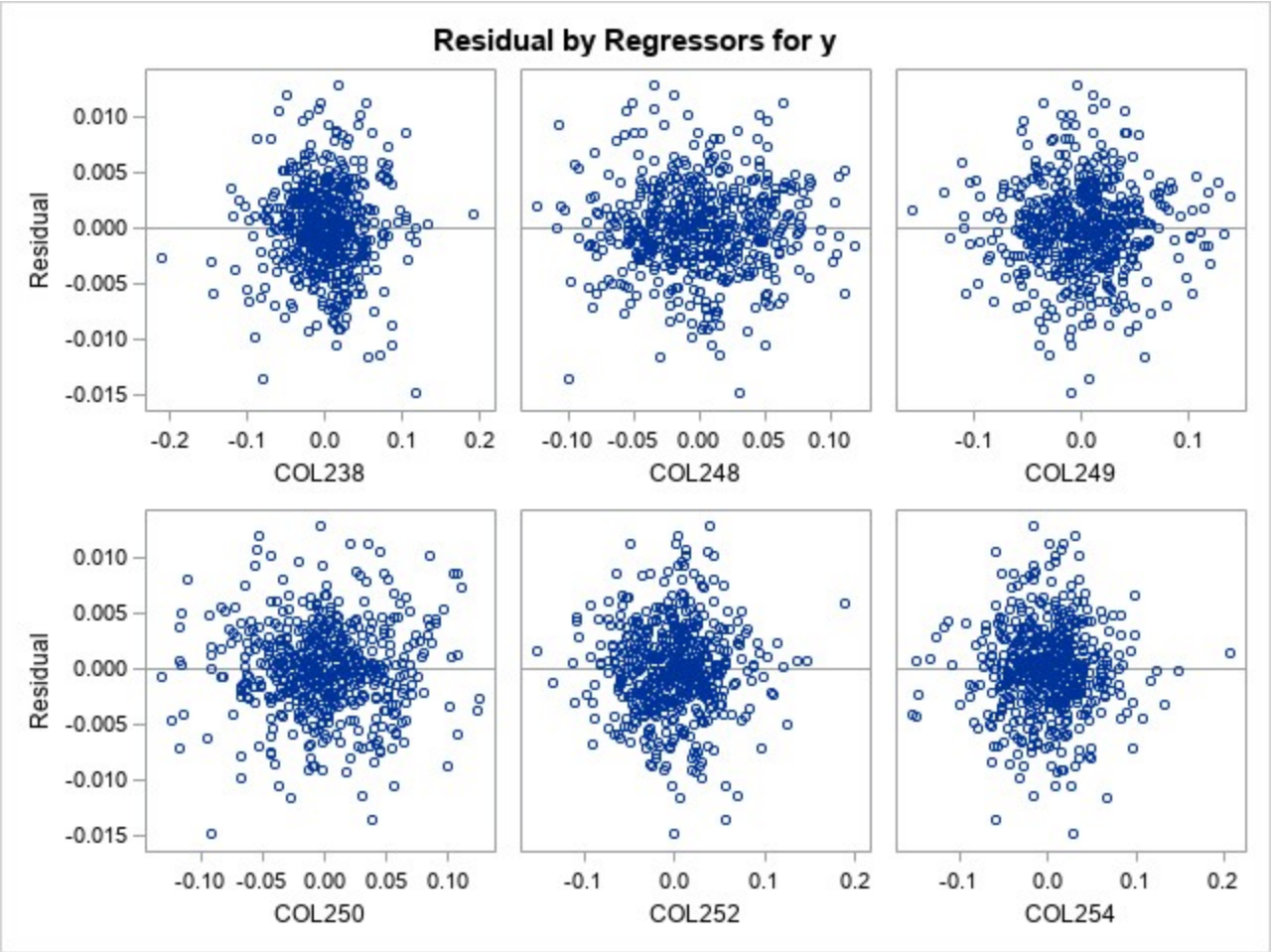
COL275	1	-0.00282	0.00420	-0.67	0.5022
COL294	1	-0.00357	0.00420	-0.85	0.3959
COL306	1	-0.00029338	0.00420	-0.07	0.9443
COL309	1	-0.00073494	0.00420	-0.18	0.8611
COL311	1	0.00104	0.00420	0.25	0.8049
COL324	1	0.00082285	0.00420	0.20	0.8447
COL332	1	-0.00372	0.00420	-0.89	0.3756
COL335	1	-0.00229	0.00420	-0.55	0.5851
COL337	1	0.00077511	0.00420	0.18	0.8536
COL338	1	-0.00093337	0.00420	-0.22	0.8242
COL341	1	-0.00111	0.00420	-0.26	0.7914
COL342	1	-0.00040570	0.00420	-0.10	0.9231
COL343	1	0.00310	0.00420	0.74	0.4610
COL351	1	0.00176	0.00420	0.42	0.6754
COL359	1	0.00310	0.00420	0.74	0.4608
COL361	1	-0.00179	0.00420	-0.43	0.6704
COL380	1	-0.00378	0.00420	-0.90	0.3689
COL383	1	-0.00023033	0.00420	-0.05	0.9563
COL389	1	0.00320	0.00420	0.76	0.4469

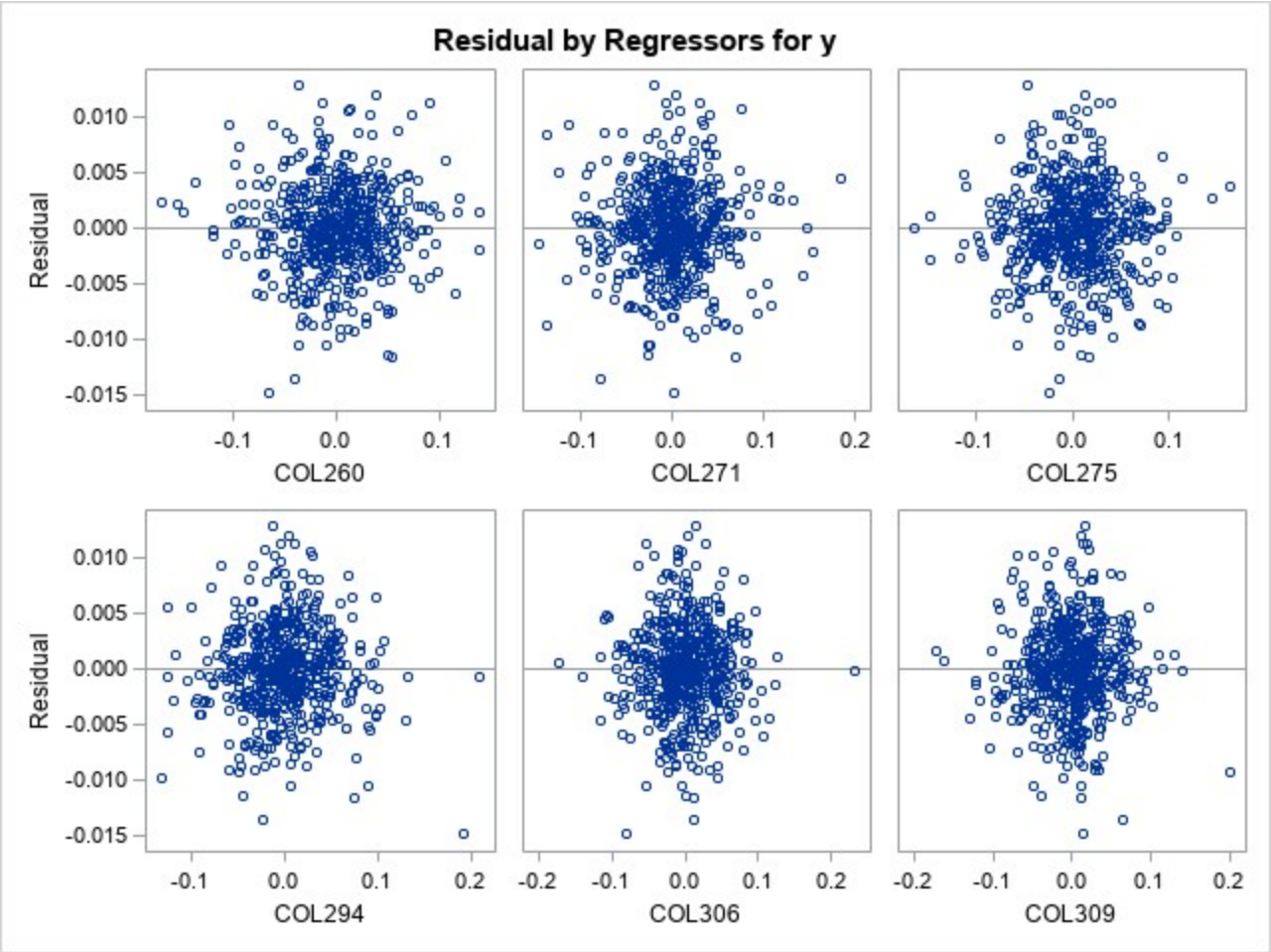
PSA-NSA mixtures: SAR-SMA

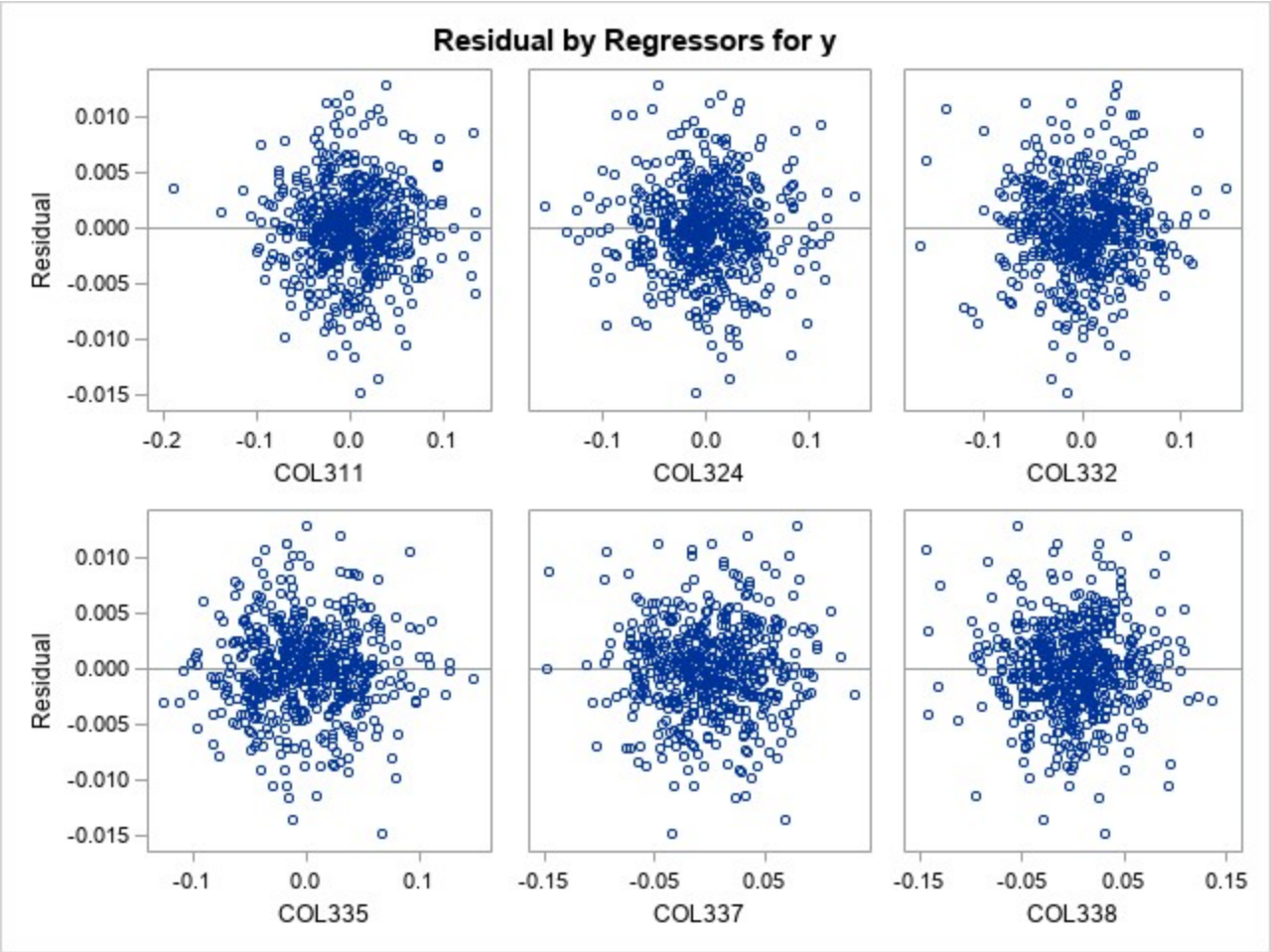
The REG Procedure
Model: MODEL1
Dependent Variable: y




Residual by Regressors for y
Residual
0.010
0.005
0.000
-0.005
-0.010
-0.015
-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
0.010
0.005
0.000
-0.005
-0.010
-0.015
-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
0.010
0.005
0.000
-0.005
-0.010
-0.015
-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
-0.10 -0.05 0.00 0.05 0.10
COL250
-0.1 0.0 0.1 0.2
COL252
-0.1 0.0 0.1 0.2
COL254


Residual by Regressors for y
Residual
0.010
0.005
0.000
-0.005
-0.010
-0.015
-0.1
0.0
0.1
0.2
COL260
COL271
COL275
COL294
COL306
COL309


Residual by Regressors for y
Residual
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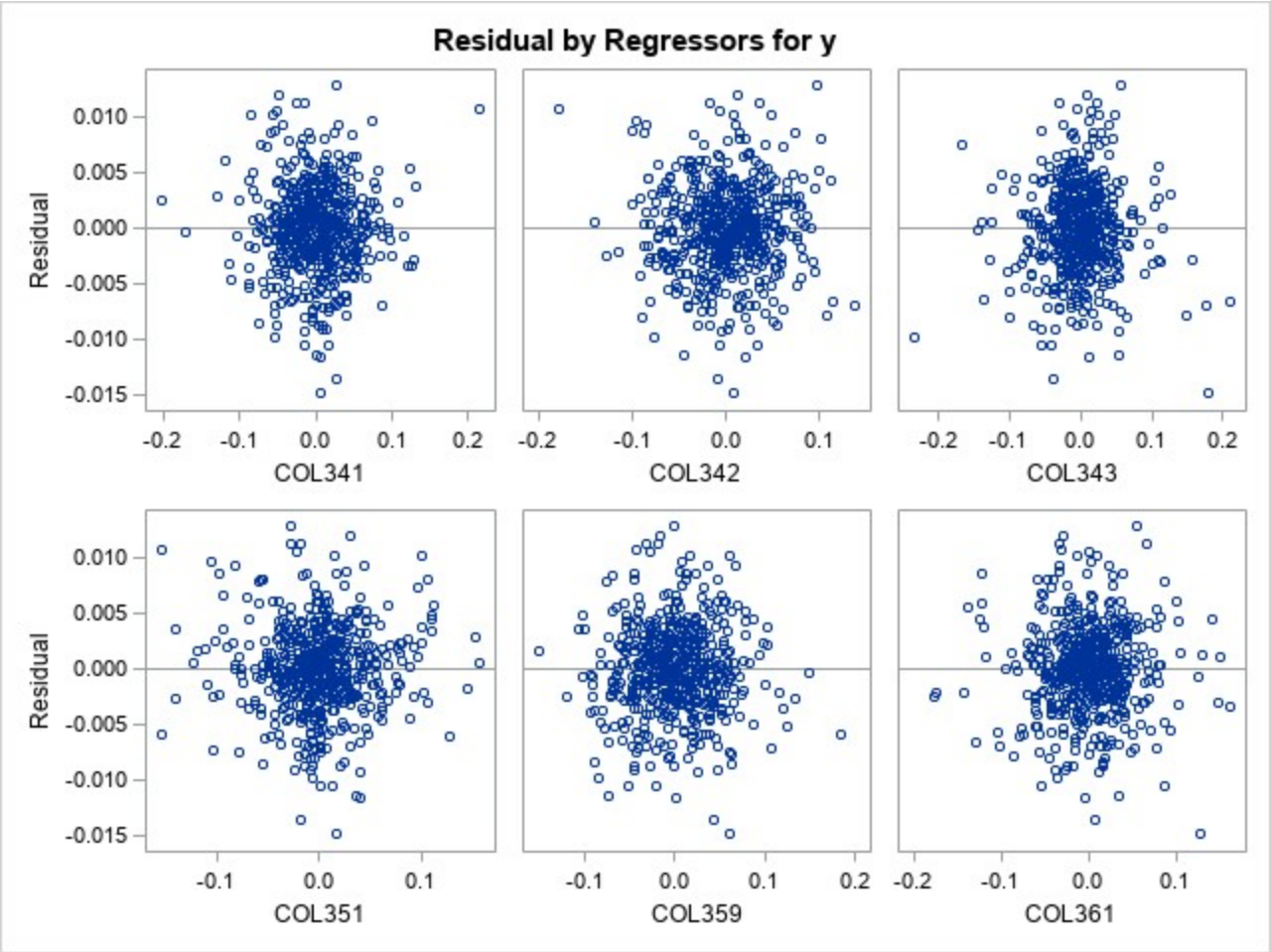
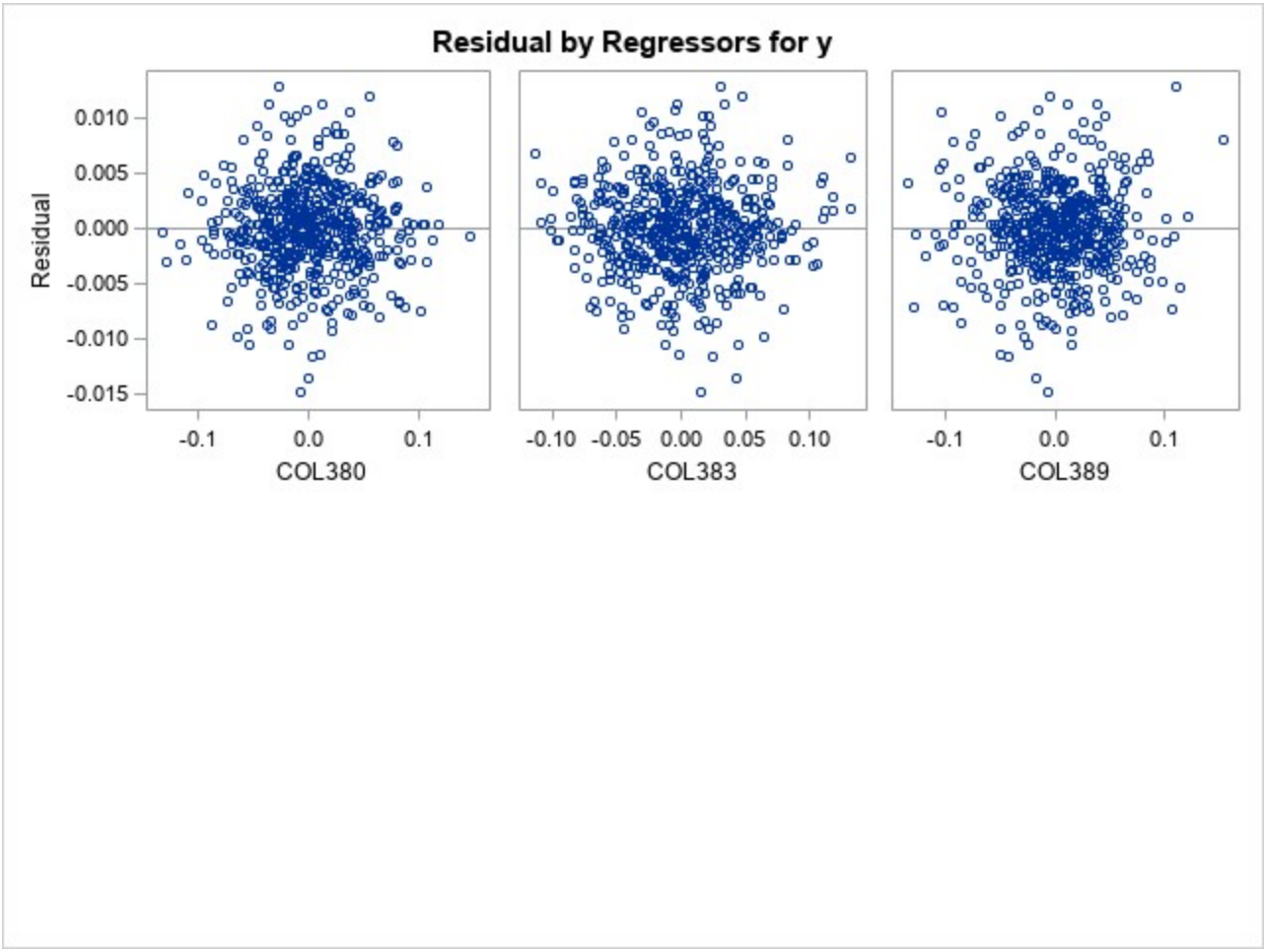
0.005
0.000
-0.005
-0.010
-0.015
-0.2
-0.1
0.0
0.1
COL311
COL324
COL332
COL335
-0.15
-0.05
0.05
0.15
COL337
COL338


Residual by Regressors for y
Residual
0.010
0.005
0.000
-0.005
-0.010
-0.015
-0.2
-0.1
0.0
0.1
0.2
COL341
COL342
COL343
COL351
COL359
COL361


Residual by Regressors for y
Residual
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0.005
0.000
-0.005
-0.010
-0.015
-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
0.0229464	0.9245371

emc	smc	zmc	p
-0.072522	0.0261087	3.6565891	0.0001278

mc	gr
0.7747572	0.2765474