PSA-NSA mixtures: SAR-SMA

The UNIVARIATE Procedure
Variable: y

Moments			
N	533	Sum Weights	533
Mean	0	Sum Observations	0
Std Deviation	6.40450356	Variance	41.0176659
Skewness	-0.9547199	Kurtosis	0.01618055
Uncorrected SS	21821.3983	Corrected SS	21821.3983
Coeff Variation	.	Std Error Mean	0.27740984

Basic Statistical Measures			
Location		**Variability**	
Mean	0.0000	Std Deviation	6.40450
Median	1.5883	Variance	41.01767
Mode	-12.9425	Range	26.37962
		Interquartile Range	6.23178

Tests for Location: Mu0=0				
Test	**Statistic**		**p Value**	
Student's t	t	0	Pr > |t|	1.0000
Sign	M	68.5	Pr >= |M|	<.0001
Signed Rank	S	12889.5	Pr >= |S|	0.0003

Tests for Normality				
Test	**Statistic**		**p Value**	
Shapiro-Wilk	W	0.86873	Pr < W	<0.0001
Kolmogorov-Smirnov	D	0.141015	Pr > D	<0.0100
Cramer-von Mises	W-Sq	3.553906	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	25.39925	Pr > A-Sq	<0.0050

Quantiles (Definition 5)	
Level	**Quantile**
100% Max	13.43712
99%	9.74845
95%	7.61711

90%	6.58134
75% Q3	4.31833
50% Median	1.58828
25% Q1	-1.91345
10%	-12.94250
5%	-12.94250
1%	-12.94250
0% Min	-12.94250

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
-12.9425	526	11.0462	370
-12.9425	514	11.3610	237
-12.9425	500	11.4507	482
-12.9425	488	11.4730	324
-12.9425	484	13.4371	280

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	21903.5107	21896.6909	0.00	1.0000
1	COL1		2	0.2002	17571.3214	17546.9459	132.93	<.0001
2	COL6		3	0.2312	16941.3373	16898.0392	21.39	<.0001
3	COL26		4	0.2573	16446.0695	16411.7618	18.57	<.0001
4	COL2		5	0.2829	15921.3361	15882.3485	18.82	<.0001
5	COL11		6	0.3040	15497.8153	15433.5625	16.02	<.0001
6	COL8		7	0.3246	15086.2213	15027.9920	16.02	<.0001
7	COL23		8	0.3398	14814.3419	14737.6907	12.10	0.0005
8	COL12		9	0.3521	14594.9828	14541.6873	9.94	0.0017
9	COL3		10	0.3643	14351.3264	14321.6152	10.06	0.0016
10	COL36		11	0.3750	14158.2228	14128.0068	8.93	0.0029
11	COL60		12	0.3848	13998.9019	13993.8137	8.30	0.0041
12	COL93		13	0.3942	13852.3149	13877.7671	8.02	0.0048
13	COL55		14	0.4030	13700.5686	13743.6769	7.66	0.0059
14	COL27		15	0.4111	13570.3326	13607.7415	7.17	0.0077
15	COL59		16	0.4188	13438.3709	13451.2315	6.87	0.0090
16	COL58		17	0.4266	13303.4713	13332.5224	6.94	0.0087
17	COL94		18	0.4341	13182.7230	13230.6817	6.89	0.0089
18	COL261		19	0.4412	13070.8125	13132.2500	6.53	0.0109
19	COL336		20	0.4480	12953.1710	13007.6450	6.33	0.0122
20	COL317		21	0.4547	12839.9483	12896.0371	6.27	0.0126
21	COL56		22	0.4613	12747.6620	12809.9802	6.28	0.0125
22	COL29		23	0.4678	12634.8999	12688.9802	6.22	0.0129
23	COL22		24	0.4740	12538.7142	12602.8715	5.94	0.0152
24	COL78		25	0.4799	12448.8234	12524.3842	5.78	0.0166
25	COL43		26	0.4857	12345.1135	12404.3282	5.79	0.0165
26	COL15		27	0.4911	12249.0613	12323.0035	5.34	0.0212
27	COL354		28	0.4963	12169.6402	12264.8012	5.24	0.0225
28	COL270		29	0.5014	12108.4416	12199.2039	5.15	0.0236

29	COL53		30	0.5064	12033.1889	12105.5427	5.08	0.0246
30	COL320		31	0.5113	11966.4604	12057.5531	5.01	0.0256
31	COL303		32	0.5162	11890.4462	11980.8310	5.02	0.0254
32	COL39		33	0.5210	11818.6330	11869.8726	5.06	0.0249
33	COL57		34	0.5257	11748.4788	11818.5420	4.94	0.0267
34	COL28		35	0.5304	11685.0538	11756.9092	4.94	0.0267
35	COL351		36	0.5349	11626.2770	11655.6277	4.84	0.0283
36	COL233		37	0.5393	11563.0143	11583.4297	4.72	0.0302
37	COL305		38	0.5436	11498.3278	11511.7486	4.75	0.0298
38	COL316		39	0.5476	11458.6301	11491.6443	4.33	0.0381
39	COL51		40	0.5514	11409.9280	11415.8386	4.12	0.0429
40	COL14		41	0.5550	11363.5750	11411.8017	3.99	0.0462
41	COL373		42	0.5585	11321.8481	11362.1030	3.92	0.0484
42	COL357		43	0.5618	11281.5509	11336.7270	3.69	0.0554
43	COL76		44	0.5650	11240.9906	11256.2489	3.62	0.0577
44	COL90		45	0.5682	11222.0711	11196.3148	3.60	0.0585
45	COL286		46	0.5713	11187.2676	11180.7907	3.51	0.0616
46	COL277		47	0.5743	11175.0189	11184.2335	3.48	0.0625
47	COL262		48	0.5774	11134.4302	11174.4456	3.50	0.0621
48	COL274		49	0.5804	11112.5277	11112.6440	3.47	0.0630
49	COL17		50	0.5833	11069.2628	11087.6565	3.41	0.0655
50	COL97		51	0.5862	11039.2330	11036.4456	3.38	0.0666
51	COL361		52	0.5891	11000.0578	11004.9422	3.31	0.0696
52	COL49		53	0.5919	10963.0148	10943.5163	3.29	0.0703
53	COL360		54	0.5946	10940.1673	10980.4198	3.23	0.0728
54	COL246		55	0.5973	10907.3910	10936.2572	3.19	0.0747
55	COL401		56	0.5999	10889.7355	10912.7282	3.17	0.0758
56	COL321		57	0.6026	10859.1710	10894.5931	3.16	0.0762
57	COL71		58	0.6051	10830.6211	10891.5160	3.04	0.0818
58	COL365		59	0.6076	10825.0041	10851.5135	2.99	0.0845
59	COL229		60	0.6100	10804.7127	10847.4339	2.98	0.0851
60	COL37		61	0.6124	10775.6169	10884.0833	2.90	0.0892
61	COL92		62	0.6147	10753.7435	10868.4271	2.83	0.0932
62	COL304		63	0.6170	10737.3333	10834.7656	2.81	0.0946
63	COL244		64	0.6193	10704.0416	10807.3963	2.78	0.0962

	COL362			65	0.6215	10689.4972	10807.8742	2.76	0.0976
65	**COL251**			66	0.6237	10676.8975*	10780.4124*	2.74	0.0985
* 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	COL345	0.1006 >	0.1000	(SLE)
Removal	COL251	0.0985 <	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 65.

Effects:	Intercept COL1 COL2 COL3 COL6 COL8 COL11 COL12 COL14 COL15 COL17 COL22 COL23 COL26 COL27 COL28 COL29 COL36 COL37 COL39 COL43 COL49 COL51 COL53 COL55 COL56 COL57 COL58 COL59 COL60 COL71 COL76 COL78 COL90 COL92 COL93 COL94 COL97 COL229 COL233 COL244 COL246 COL251 COL261 COL262 COL270 COL274 COL277 COL286 COL303 COL304 COL305 COL316 COL317 COL320 COL321 COL336 COL351 COL354 COL357 COL360 COL361 COL362 COL365 COL373 COL401

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value
Model	65	13610	209.38848	11.91
Error	467	8211.14699	17.58276	
Corrected Total	532	21821		

Root MSE	4.19318
Dependent Mean	-1.0132E-15
R-Square	0.6237
Adj R-Sq	0.5713
AIC	2124.60921
AICC	2144.20491
PRESS	10677
SBC	1871.99163
CV PRESS	10780

Parameter Estimates

Parameter	DF	Estimate	Standard Error	t Value
Intercept	1	-1.00894E-15	0.181627	-0.00
COL1	1	66.098083	4.193180	15.76
COL2	1	-23.614548	4.193180	-5.63
COL3	1	16.332793	4.193180	3.90
COL6	1	26.020283	4.193180	6.21
COL8	1	21.189171	4.193180	5.05

COL11	1	-21.489158	4.193180	-5.12
COL12	1	16.374753	4.193180	3.91
COL14	1	-8.878665	4.193180	-2.12
COL15	1	-10.825759	4.193180	-2.58
COL17	1	-8.008444	4.193180	-1.91
COL22	1	11.570735	4.193180	2.76
COL23	1	-18.223375	4.193180	-4.35
COL26	1	-23.853398	4.193180	-5.69
COL27	1	-13.334354	4.193180	-3.18
COL28	1	-10.084635	4.193180	-2.41
COL29	1	11.902880	4.193180	2.84
COL36	1	15.271622	4.193180	3.64
COL37	1	-7.210294	4.193180	-1.72
COL39	1	10.284578	4.193180	2.45
COL43	1	11.320547	4.193180	2.70
COL49	1	-7.813942	4.193180	-1.86
COL51	1	9.045224	4.193180	2.16
COL53	1	-10.428506	4.193180	-2.49
COL55	1	-13.863955	4.193180	-3.31
COL56	1	-12.017869	4.193180	-2.87
COL57	1	10.118791	4.193180	2.41
COL58	1	12.975738	4.193180	3.09
COL59	1	12.977455	4.193180	3.09
COL60	1	-14.621892	4.193180	-3.49
COL71	1	-7.429234	4.193180	-1.77
COL76	1	-8.382200	4.193180	-2.00
COL78	1	11.363220	4.193180	2.71
COL90	1	-8.332461	4.193180	-1.99
COL92	1	-7.107664	4.193180	-1.70
COL93	1	14.281274	4.193180	3.41
COL94	1	-12.849695	4.193180	-3.06
COL97	1	-7.957609	4.193180	-1.90
COL229	1	7.318369	4.193180	1.75
COL233	1	-9.784817	4.193180	-2.33
COL244	1	-7.016230	4.193180	-1.67

	1	7.658858	4.193180	1.83
COL251	1	6.942366	4.193180	1.66
COL261	1	12.443865	4.193180	2.97
COL262	1	-8.155338	4.193180	-1.94
COL270	1	10.547166	4.193180	2.52
COL274	1	-8.105566	4.193180	-1.93
COL277	1	8.160644	4.193180	1.95
COL286	1	8.212846	4.193180	1.96
COL303	1	10.289540	4.193180	2.45
COL304	1	-7.062368	4.193180	-1.68
COL305	1	9.774533	4.193180	2.33
COL316	1	-9.297333	4.193180	-2.22
COL317	1	12.067427	4.193180	2.88
COL320	1	-10.321136	4.193180	-2.46
COL321	1	-7.583905	4.193180	-1.81
COL336	1	-12.187320	4.193180	-2.91
COL351	1	9.940924	4.193180	2.37
COL354	1	-10.680543	4.193180	-2.55
COL357	1	8.483901	4.193180	2.02
COL360	1	7.727602	4.193180	1.84
COL361	1	-7.851857	4.193180	-1.87
COL362	1	-6.972901	4.193180	-1.66
COL365	1	7.347696	4.193180	1.75
COL373	1	-8.766682	4.193180	-2.09
COL401	1	-7.613669	4.193180	-1.82

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	13610	13610	880.15	<.0001
Error	531	8211.14699	15.46355		
Corrected Total	532	21821			

Root MSE	3.93237	R-Square	0.6237
Dependent Mean	-1.0132E-15	Adj R-Sq	0.6230
Coeff Var	-3.88131E17		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	3.19111E-16	0.17033	0.00	1.0000
yhat	1	1.00000	0.03371	29.67	<.0001

PSA-NSA mixtures: SAR-SMA

The REG Procedure
Model: MODEL1
Dependent Variable: y

Fit Diagnostics for y

Observations	533
Parameters	2
Error DF	531
MSE	15.464
R-Square	0.6237
Adj R-Square	0.623

Residuals for y

Fit Plot for y

Observations	533
Parameters	2
Error DF	531
MSE	15.464
R-Square	0.6237
Adj R-Square	0.623

Fit ☐ 95% Confidence Limits ------ 95% Prediction Limits
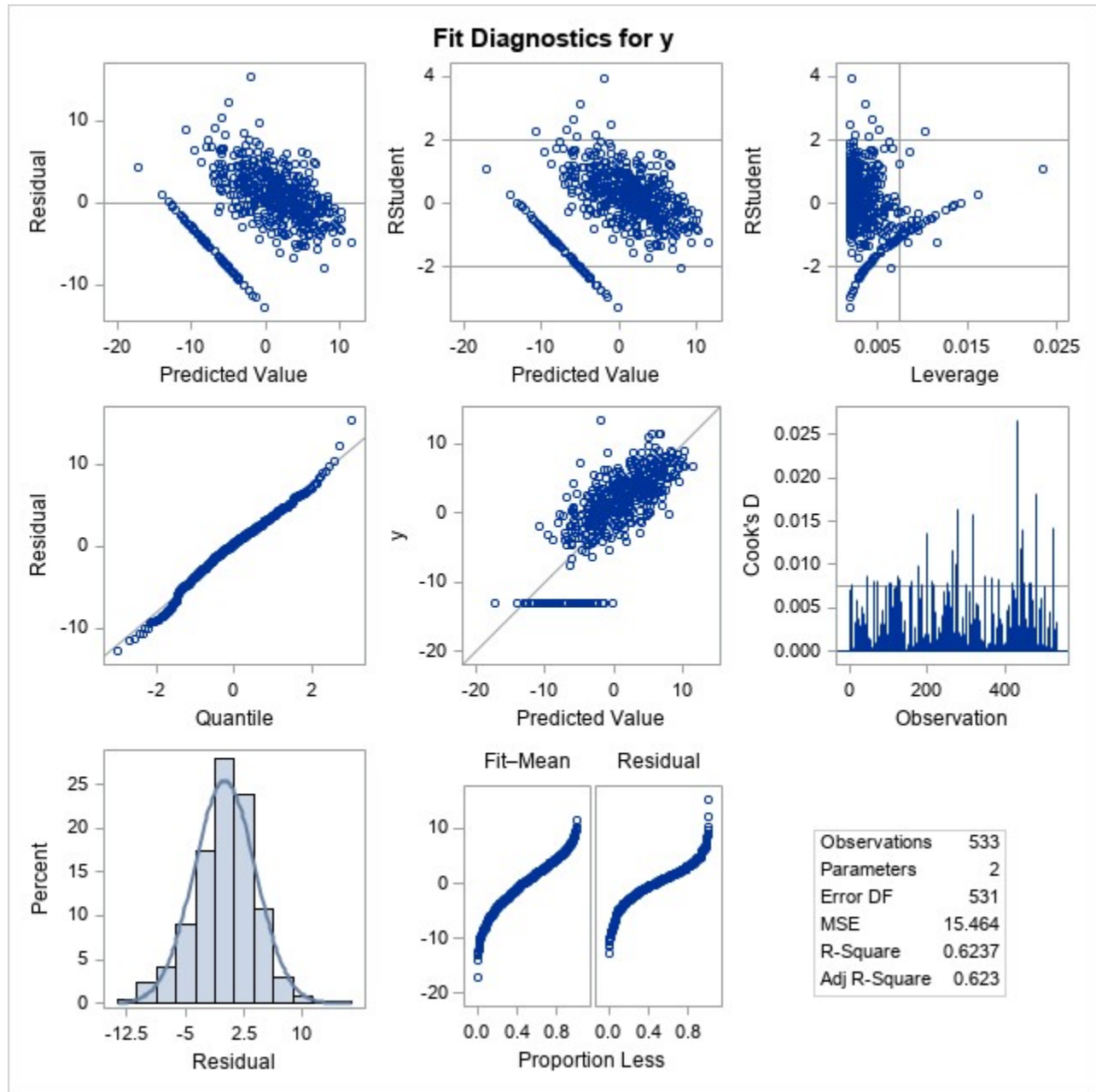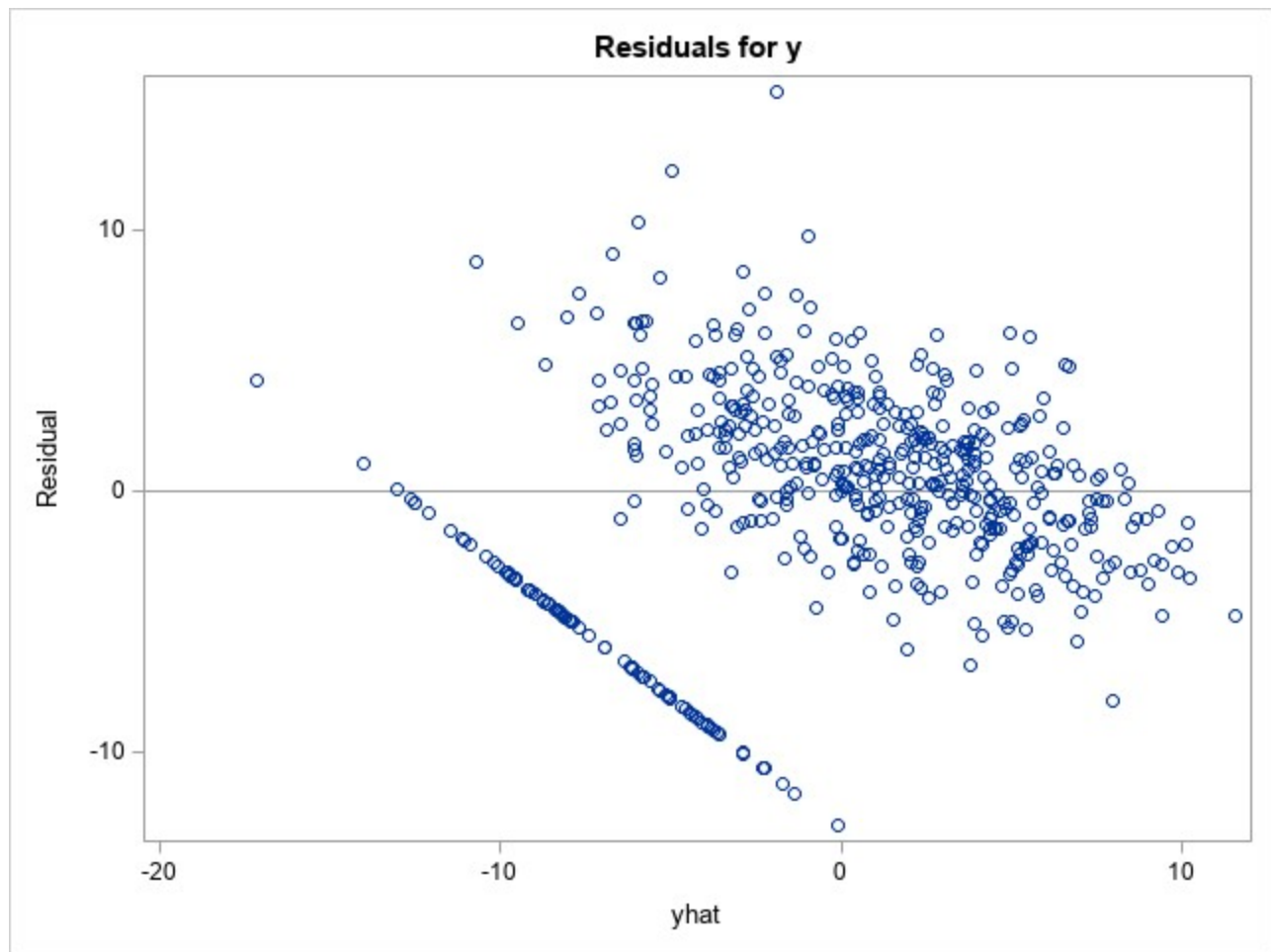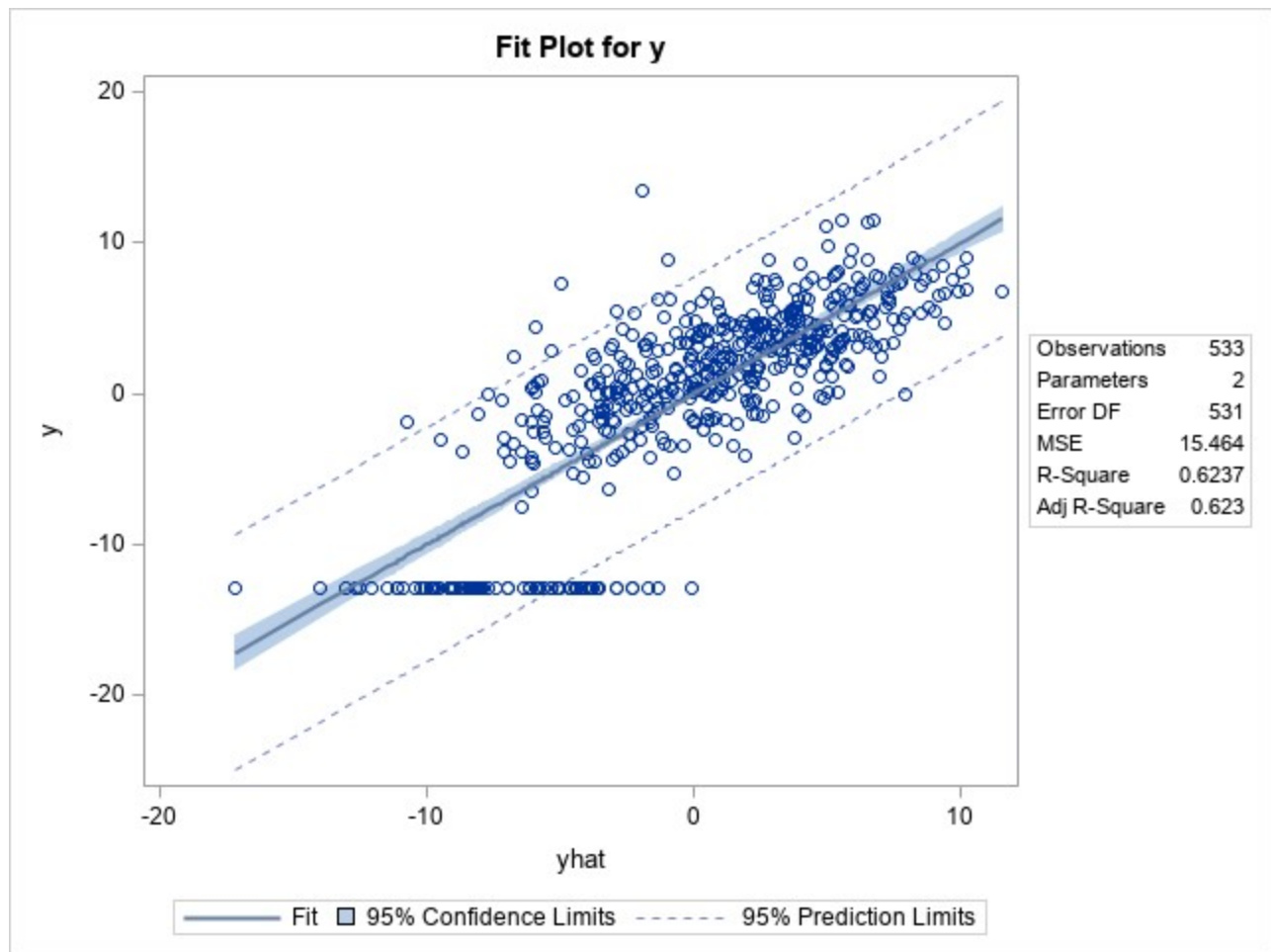
PSA-NSA mixtures: SAR-SMA

The UNIVARIATE Procedure
Variable: yr

Moments			
N	533	Sum Weights	533
Mean	0	Sum Observations	0
Std Deviation	3.92867495	Variance	15.4344868
Skewness	-0.2737285	Kurtosis	0.69646388
Uncorrected SS	8211.14699	Corrected SS	8211.14699
Coeff Variation	.	Std Error Mean	0.1701698

Basic Statistical Measures			
Location		Variability	
Mean	0.000000	Std Deviation	3.92867
Median	0.279620	Variance	15.43449
Mode	.	Range	28.18964
		Interquartile Range	4.87070

Tests for Location: Mu0=0				
Test		Statistic	p Value	
Student's t	t	0	Pr > |t|	1.0000
Sign	M	14.5	Pr >= |M|	0.2252
Signed Rank	S	2994.5	Pr >= |S|	0.4004

Tests for Normality				
Test		Statistic	p Value	
Shapiro-Wilk	W	0.987245	Pr < W	0.0001
Kolmogorov-Smirnov	D	0.054608	Pr > D	<0.0100
Cramer-von Mises	W-Sq	0.305635	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	1.983458	Pr > A-Sq	<0.0050

Quantiles (Definition 5)	
Level	Quantile
100% Max	15.35054
99%	8.82566

95%	6.03134
90%	4.66026
75% Q3	2.47495
50% Median	0.27962
25% Q1	-2.39575
10%	-4.92426
5%	-7.63327
1%	-10.06613
0% Min	-12.83910

Extreme Observations			
Lowest		**Highest**	
Value	**Obs**	**Value**	**Obs**
-12.8391	273	9.09918	444
-11.5827	350	9.80121	427
-11.2262	368	10.36132	319
-10.6625	384	12.27185	480
-10.6336	128	15.35054	280

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	3880.80428	94.65376	2.59	<.0001
Error	491	17941	36.53889		
Corrected Total	532	21821			

Root MSE	6.04474	R-Square	0.1778
Dependent Mean	-1.0132E-15	Adj R-Sq	0.1092
Coeff Var	-5.96624E17		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-8.8757E-16	0.26183	-0.00	1.0000
COL2	1	-23.61455	6.04474	-3.91	0.0001
COL3	1	16.33279	6.04474	2.70	0.0071
COL4	1	-1.72723	6.04474	-0.29	0.7752
COL5	1	-4.27492	6.04474	-0.71	0.4798
COL6	1	26.02028	6.04474	4.30	<.0001
COL7	1	-1.48123	6.04474	-0.25	0.8065
COL8	1	21.18917	6.04474	3.51	0.0005
COL9	1	1.42767	6.04474	0.24	0.8134
COL10	1	0.95195	6.04474	0.16	0.8749
COL12	1	16.37475	6.04474	2.71	0.0070
COL13	1	-6.07471	6.04474	-1.00	0.3154
COL14	1	-8.87867	6.04474	-1.47	0.1425
COL15	1	-10.82576	6.04474	-1.79	0.0739
COL16	1	0.82737	6.04474	0.14	0.8912

COL18	1	-4.52705	6.04474	-0.75	0.4543
COL19	1	-3.06036	6.04474	-0.51	0.6129
COL20	1	-6.19121	6.04474	-1.02	0.3062
COL25	1	-3.60169	6.04474	-0.60	0.5516
COL26	1	-23.85340	6.04474	-3.95	<.0001
COL29	1	11.90288	6.04474	1.97	0.0495
COL32	1	-1.58843	6.04474	-0.26	0.7928
COL39	1	10.28458	6.04474	1.70	0.0895
COL42	1	5.08635	6.04474	0.84	0.4005
COL45	1	-1.40081	6.04474	-0.23	0.8168
COL46	1	3.33449	6.04474	0.55	0.5814
COL47	1	5.49817	6.04474	0.91	0.3635
COL49	1	-7.81394	6.04474	-1.29	0.1967
COL50	1	-2.58405	6.04474	-0.43	0.6692
COL53	1	-10.42851	6.04474	-1.73	0.0851
COL54	1	-3.61700	6.04474	-0.60	0.5499
COL56	1	-12.01787	6.04474	-1.99	0.0473
COL61	1	0.02507	6.04474	0.00	0.9967
COL64	1	-5.33397	6.04474	-0.88	0.3780
COL65	1	0.14210	6.04474	0.02	0.9813
COL67	1	-3.15476	6.04474	-0.52	0.6020
COL72	1	-0.32391	6.04474	-0.05	0.9573
COL73	1	2.94820	6.04474	0.49	0.6260
COL77	1	2.45895	6.04474	0.41	0.6843
COL79	1	-5.93736	6.04474	-0.98	0.3265
COL81	1	-2.36862	6.04474	-0.39	0.6953
COL98	1	2.18690	6.04474	0.36	0.7177

PSA-NSA mixtures: SAR-SMA
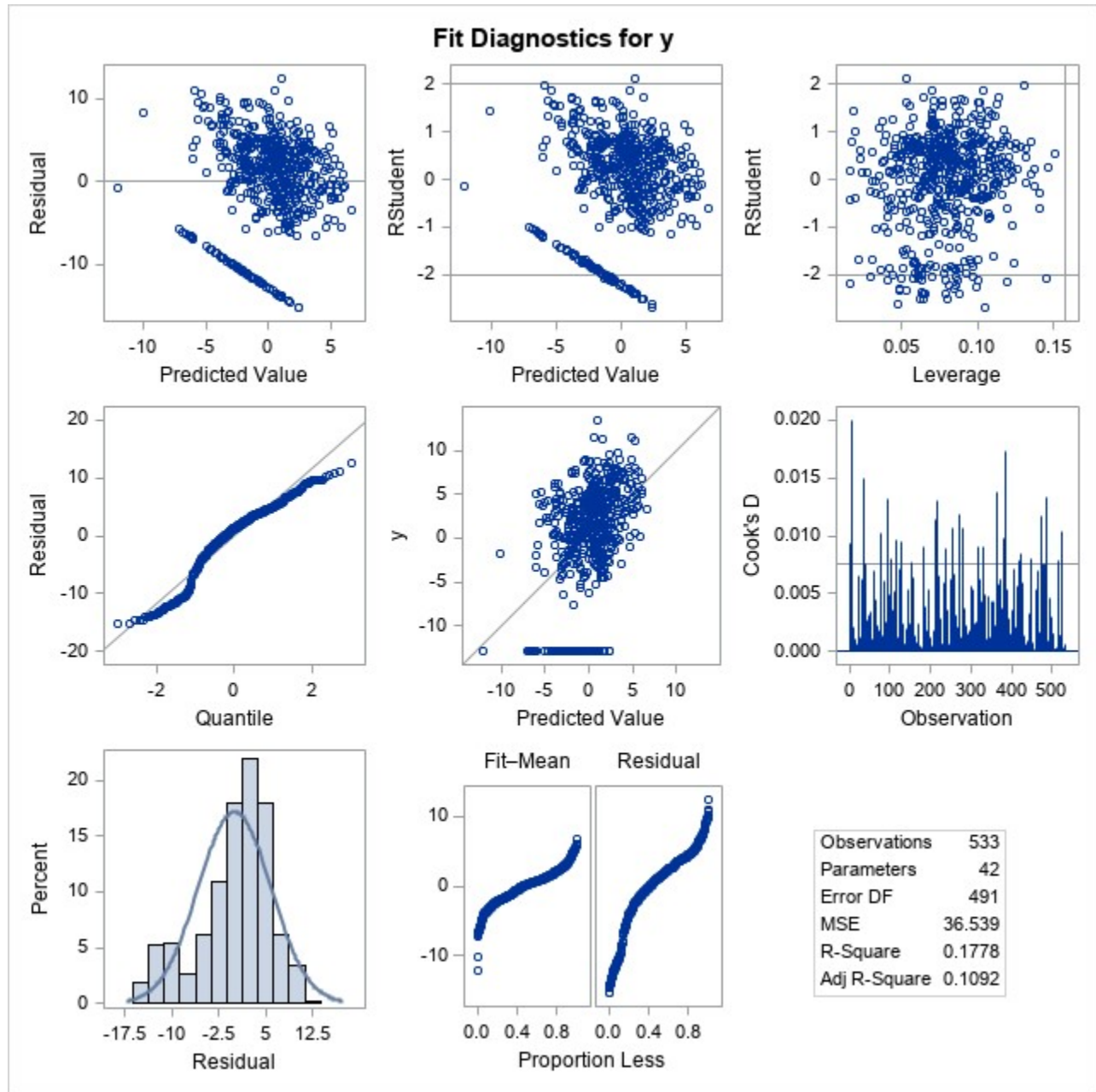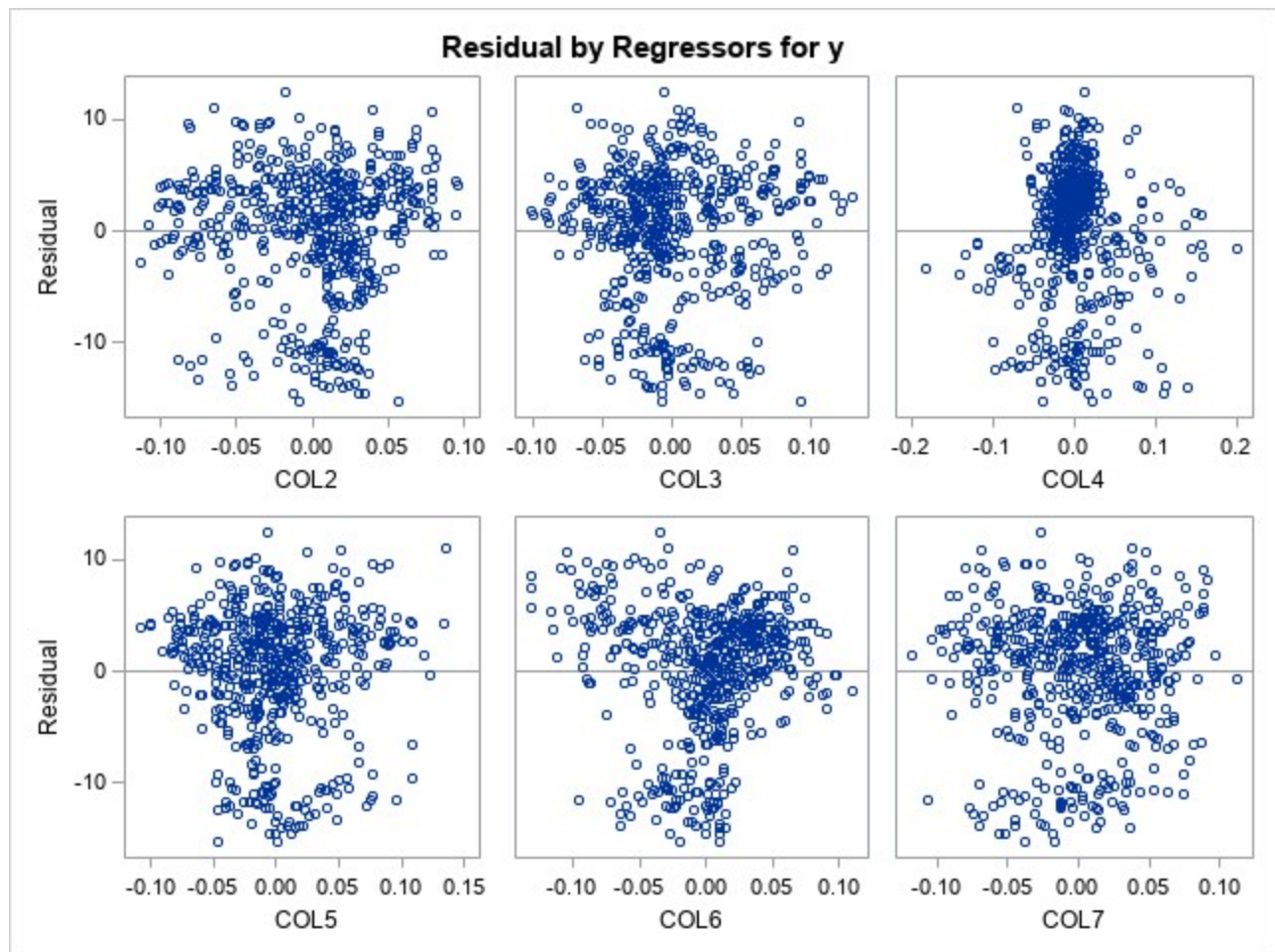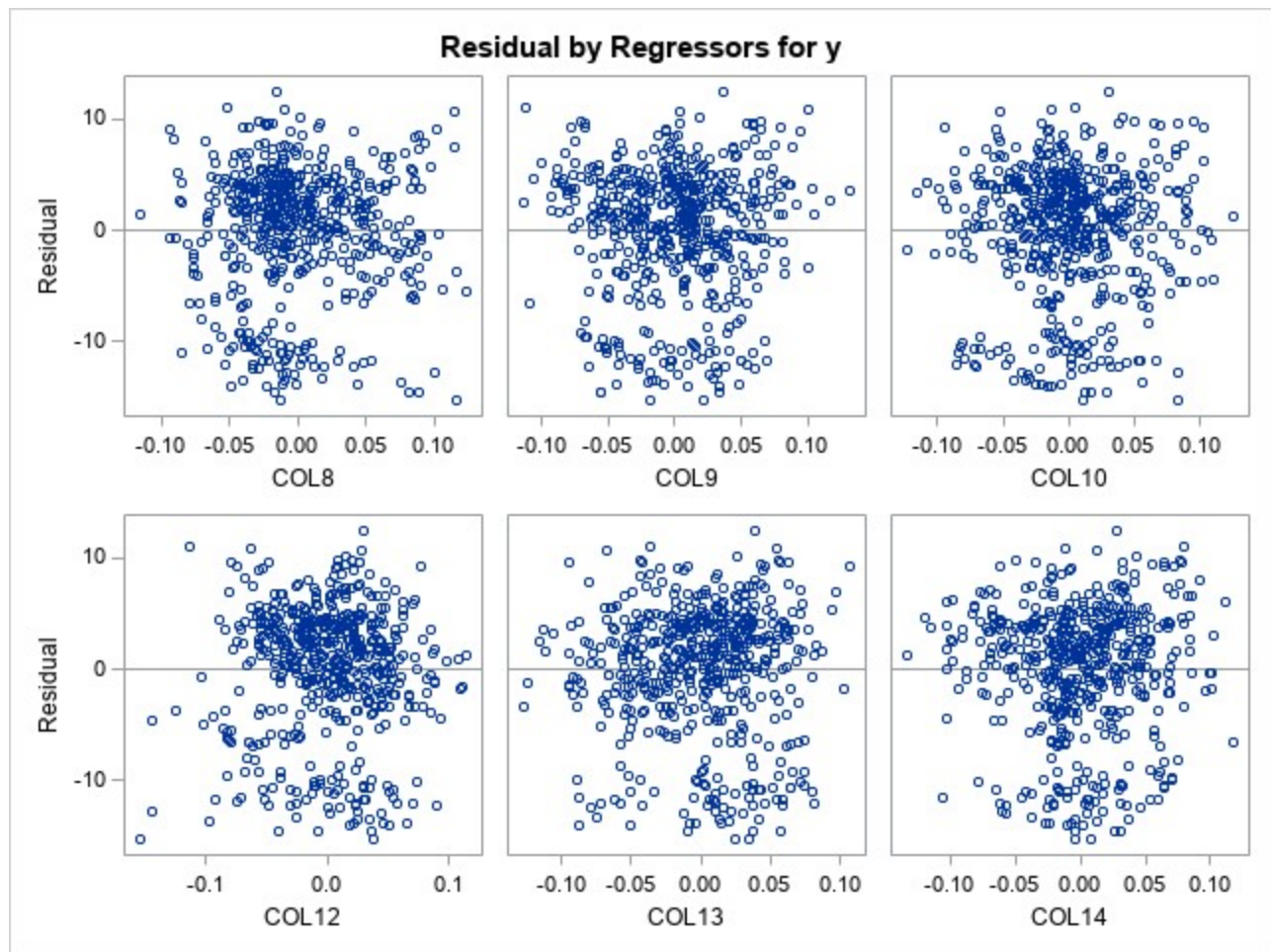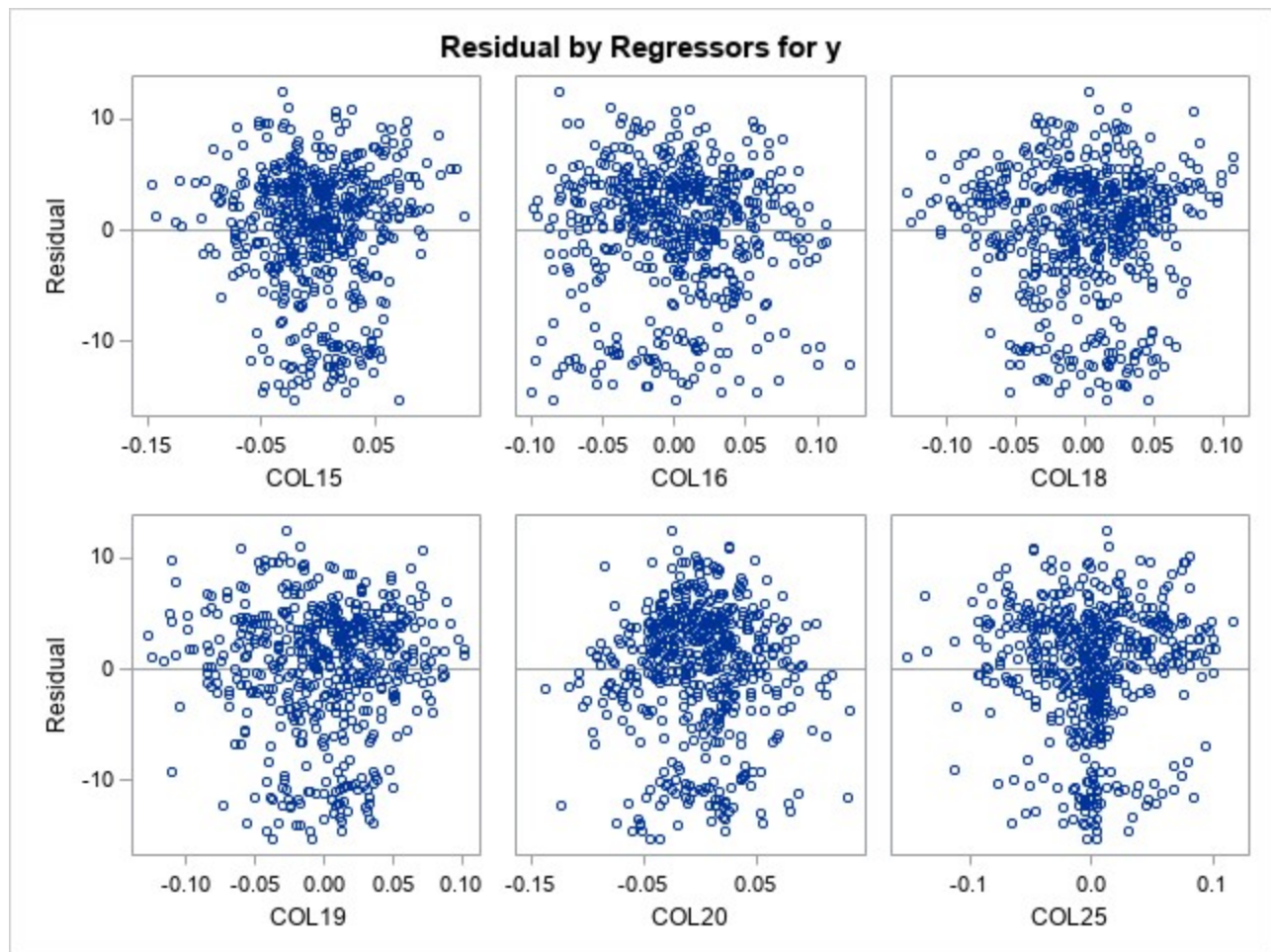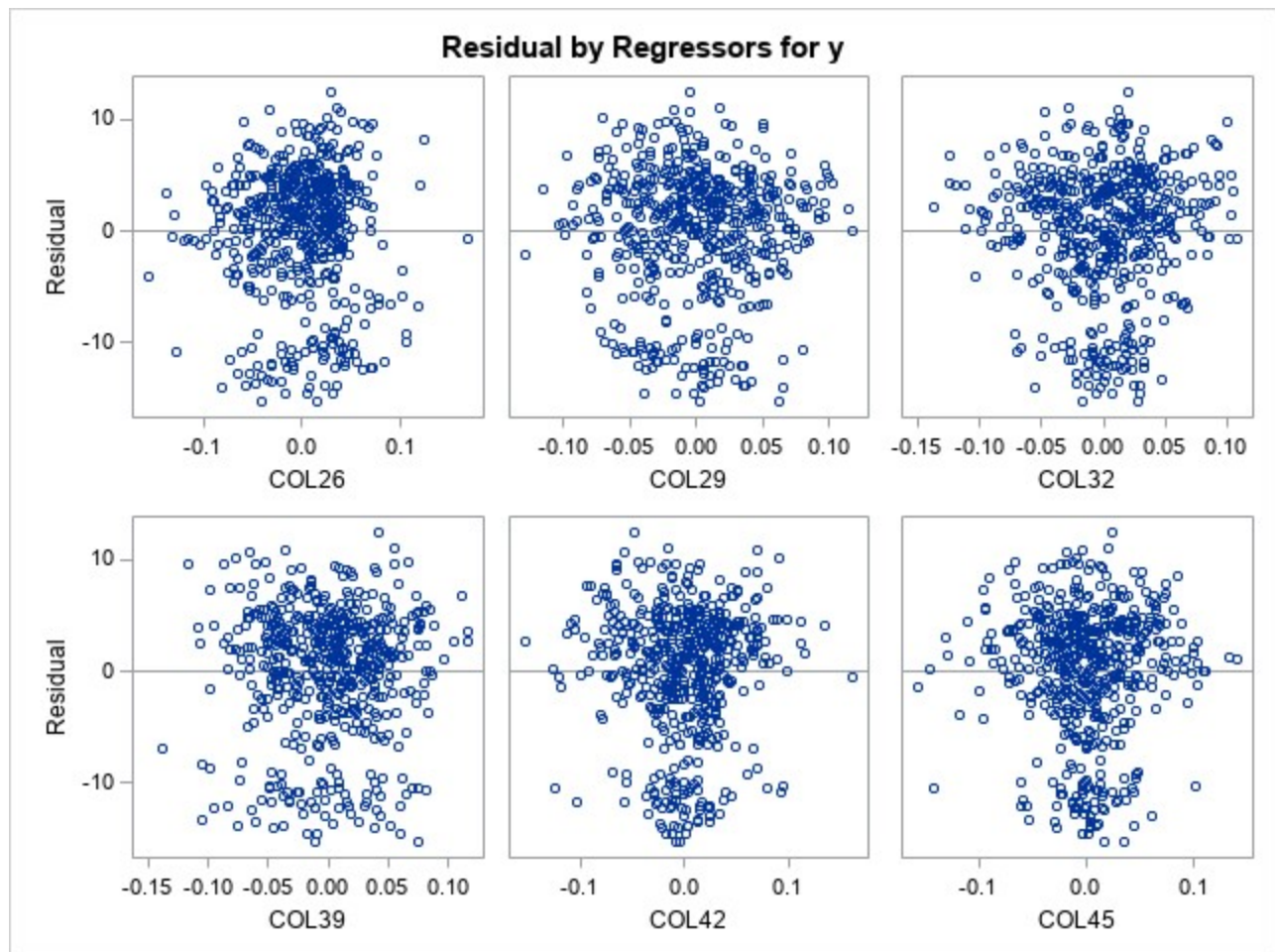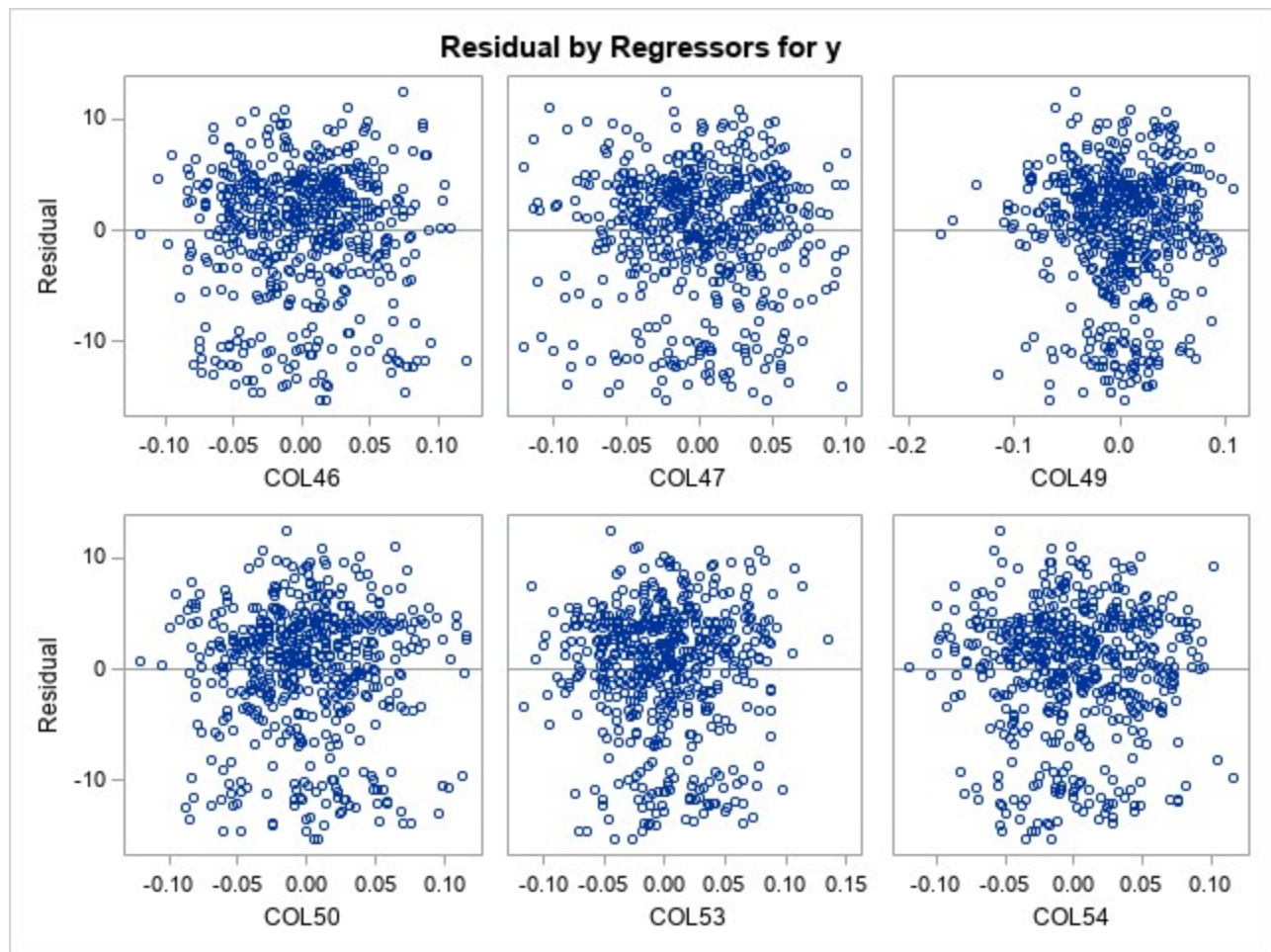
The REG Procedure
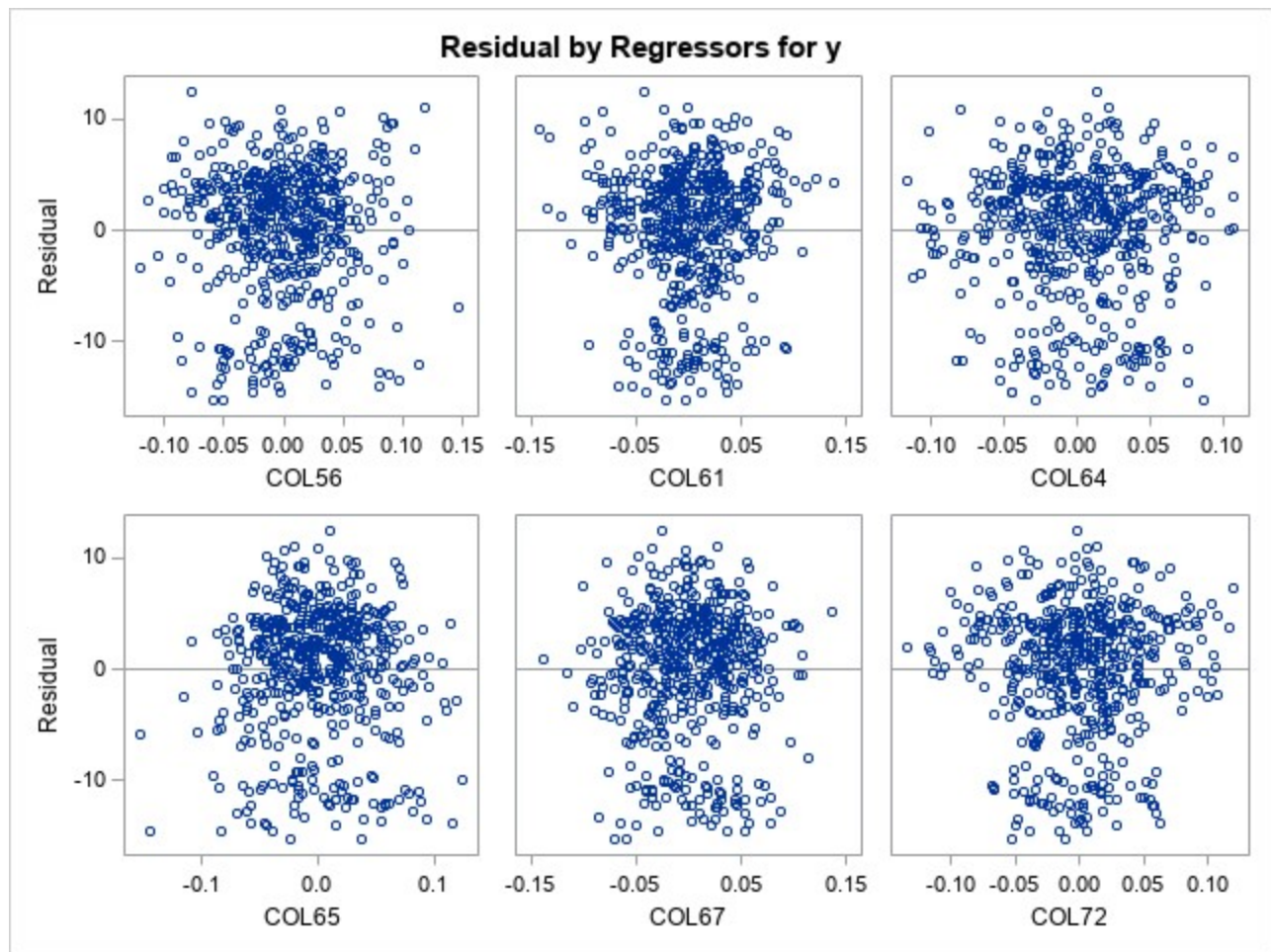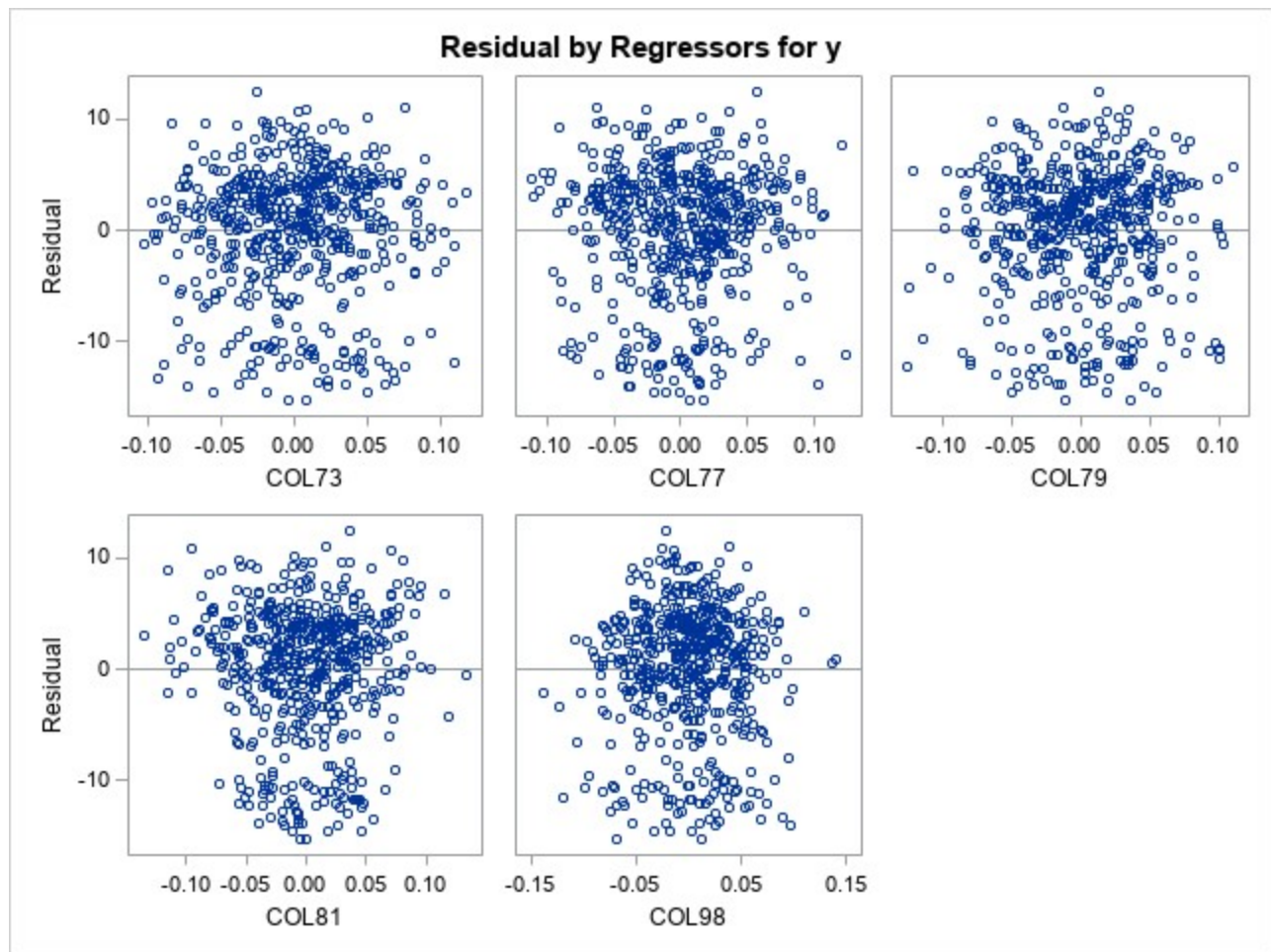**Model: MODEL1**
Dependent Variable: y

Fit Diagnostics for y

Observations	533
Parameters	42
Error DF	491
MSE	36.539
R-Square	0.1778
Adj R-Square	0.1092

Residual by Regressors for y

Residual by Regressors for y

Residual by Regressors for y

Residual by Regressors for y

Residual by Regressors for y

Residual by Regressors for y

Residual by Regressors for y

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	634.80957	19.23665	0.45	0.9966
Error	499	21187	42.45809		
Corrected Total	532	21821			

Root MSE	6.51599	R-Square	0.0291
Dependent Mean	-1.0132E-15	Adj R-Sq	-0.0351
Coeff Var	-6.43137E17		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	-2.1429E-15	0.28224	-0.00	1.0000
COL213	1	0.38040	6.51599	0.06	0.9535
COL219	1	1.19348	6.51599	0.18	0.8547
COL223	1	-1.84378	6.51599	-0.28	0.7773
COL227	1	5.98992	6.51599	0.92	0.3584
COL232	1	-4.77266	6.51599	-0.73	0.4642
COL236	1	-2.40639	6.51599	-0.37	0.7121
COL238	1	1.29217	6.51599	0.20	0.8429
COL248	1	-6.66768	6.51599	-1.02	0.3067
COL249	1	-1.50202	6.51599	-0.23	0.8178
COL250	1	-1.30033	6.51599	-0.20	0.8419
COL252	1	-4.33075	6.51599	-0.66	0.5066
COL254	1	-6.62386	6.51599	-1.02	0.3099
COL260	1	0.48810	6.51599	0.07	0.9403
COL271	1	1.42697	6.51599	0.22	0.8267

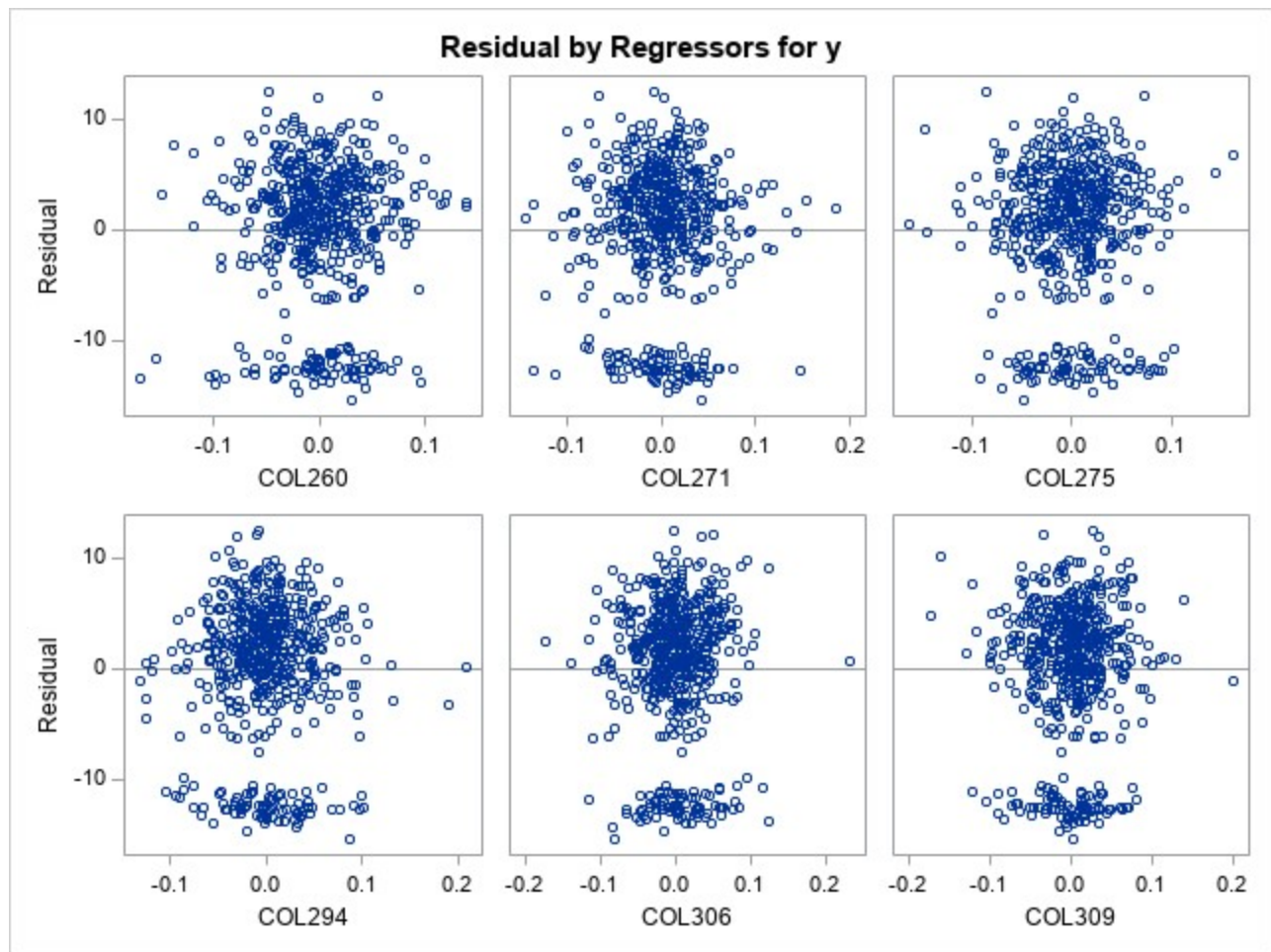|					
COL275	1	-6.27693	6.51599	-0.96	0.3359
COL294	1	1.97564	6.51599	0.30	0.7619
COL306	1	-6.52570	6.51599	-1.00	0.3171
COL309	1	2.62048	6.51599	0.40	0.6877
COL311	1	-5.64983	6.51599	-0.87	0.3863
COL324	1	-4.20334	6.51599	-0.65	0.5192
COL332	1	-4.94131	6.51599	-0.76	0.4486
COL335	1	-1.93523	6.51599	-0.30	0.7666
COL337	1	6.81963	6.51599	1.05	0.2958
COL338	1	1.34551	6.51599	0.21	0.8365
COL341	1	0.08974	6.51599	0.01	0.9890
COL342	1	2.74709	6.51599	0.42	0.6735
COL343	1	0.19604	6.51599	0.03	0.9760
COL351	1	9.94092	6.51599	1.53	0.1277
COL359	1	-0.89129	6.51599	-0.14	0.8913
COL361	1	-7.85186	6.51599	-1.21	0.2288
COL380	1	4.73933	6.51599	0.73	0.4674
COL383	1	0.70128	6.51599	0.11	0.9143
COL389	1	6.30681	6.51599	0.97	0.3336

PSA-NSA mixtures: SAR-SMA

The REG Procedure
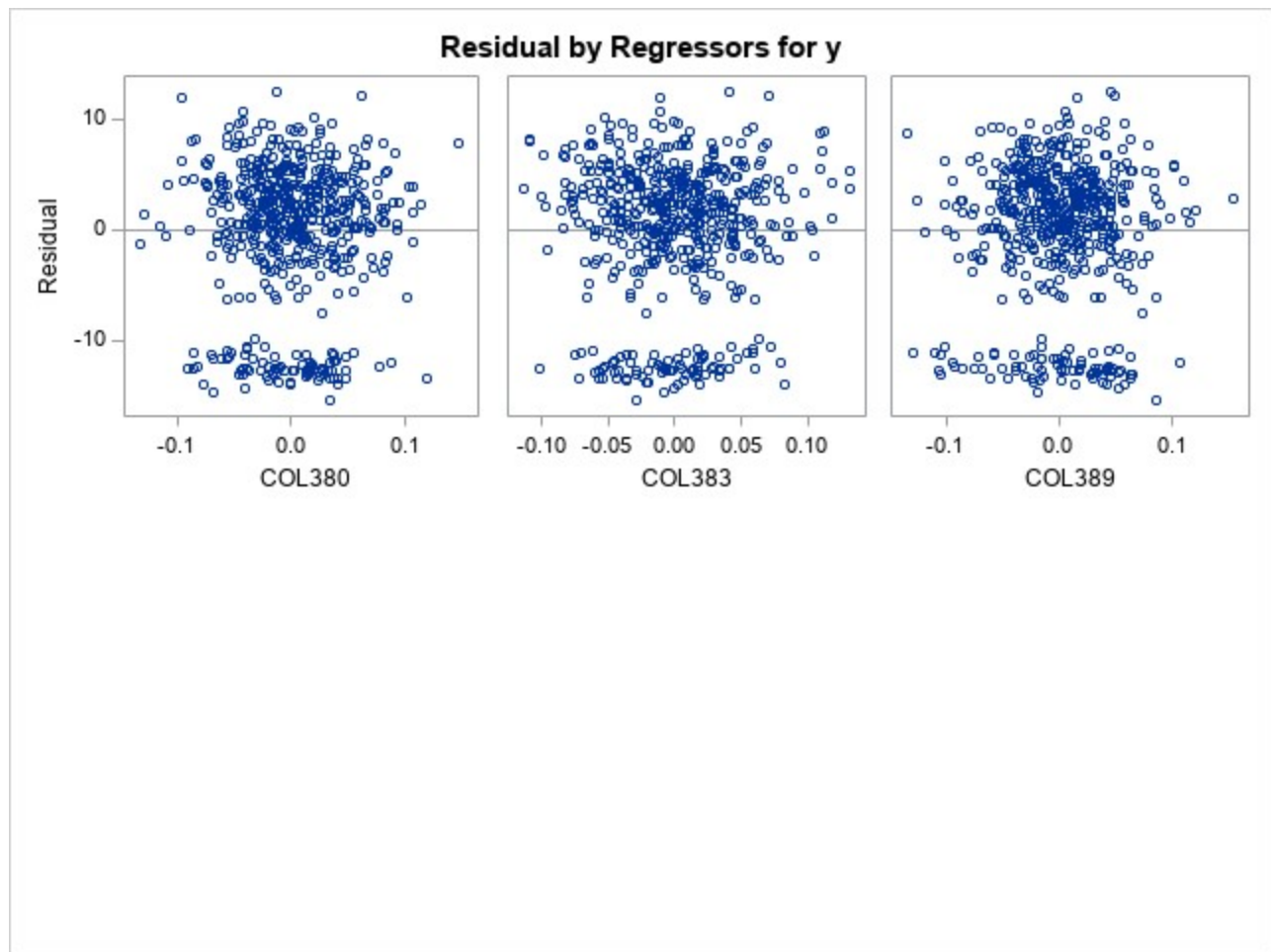**Model: MODEL1**
Dependent Variable: y

Fit Diagnostics for y

Observations	533
Parameters	34
Error DF	499
MSE	42.458
R-Square	0.0291
Adj R-Square	-0.035

Residual by Regressors for y

Residual by Regressors for y

Residual by Regressors for y

Residual by Regressors for y

Residual by Regressors for y

Residual by Regressors for y
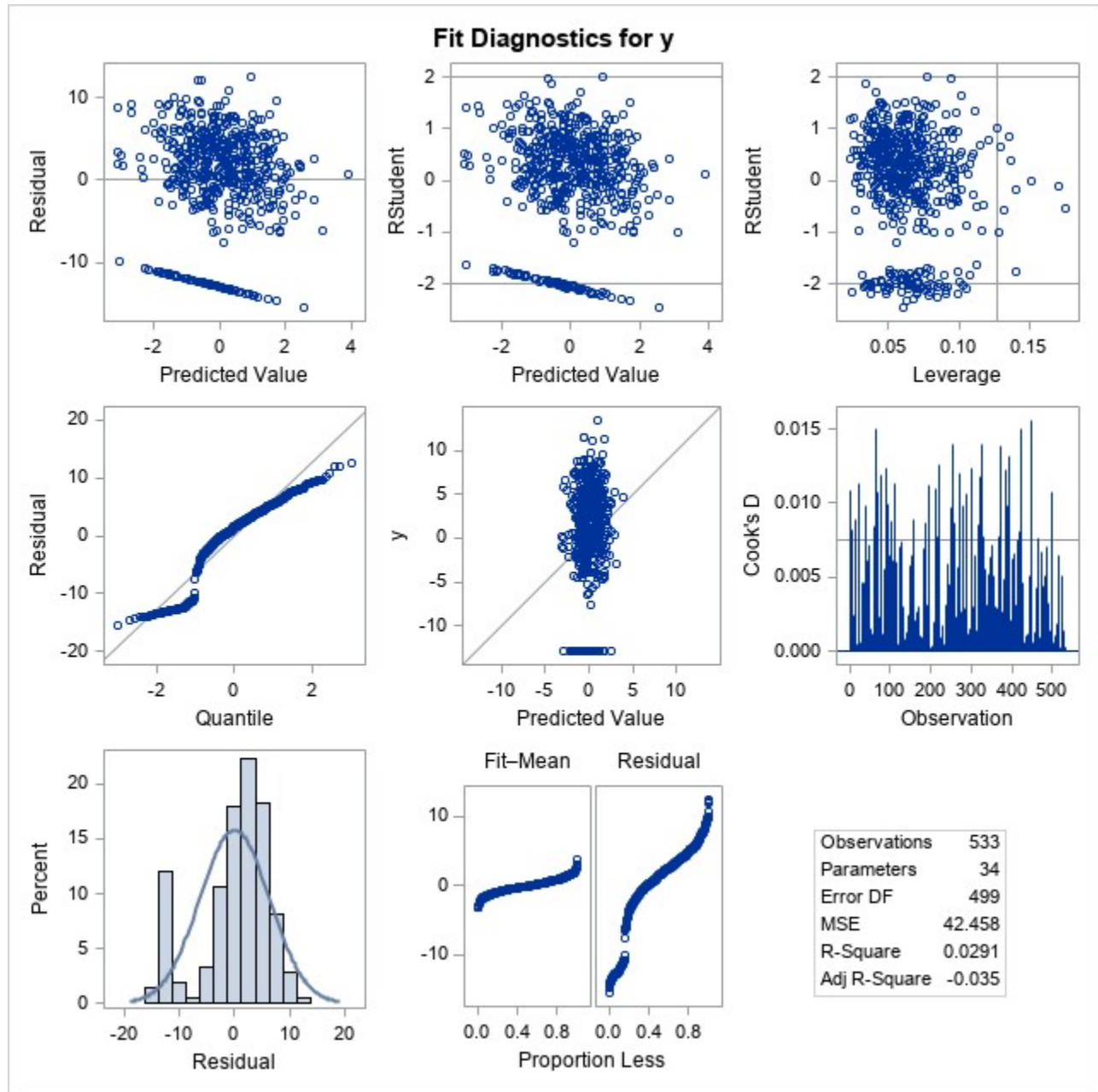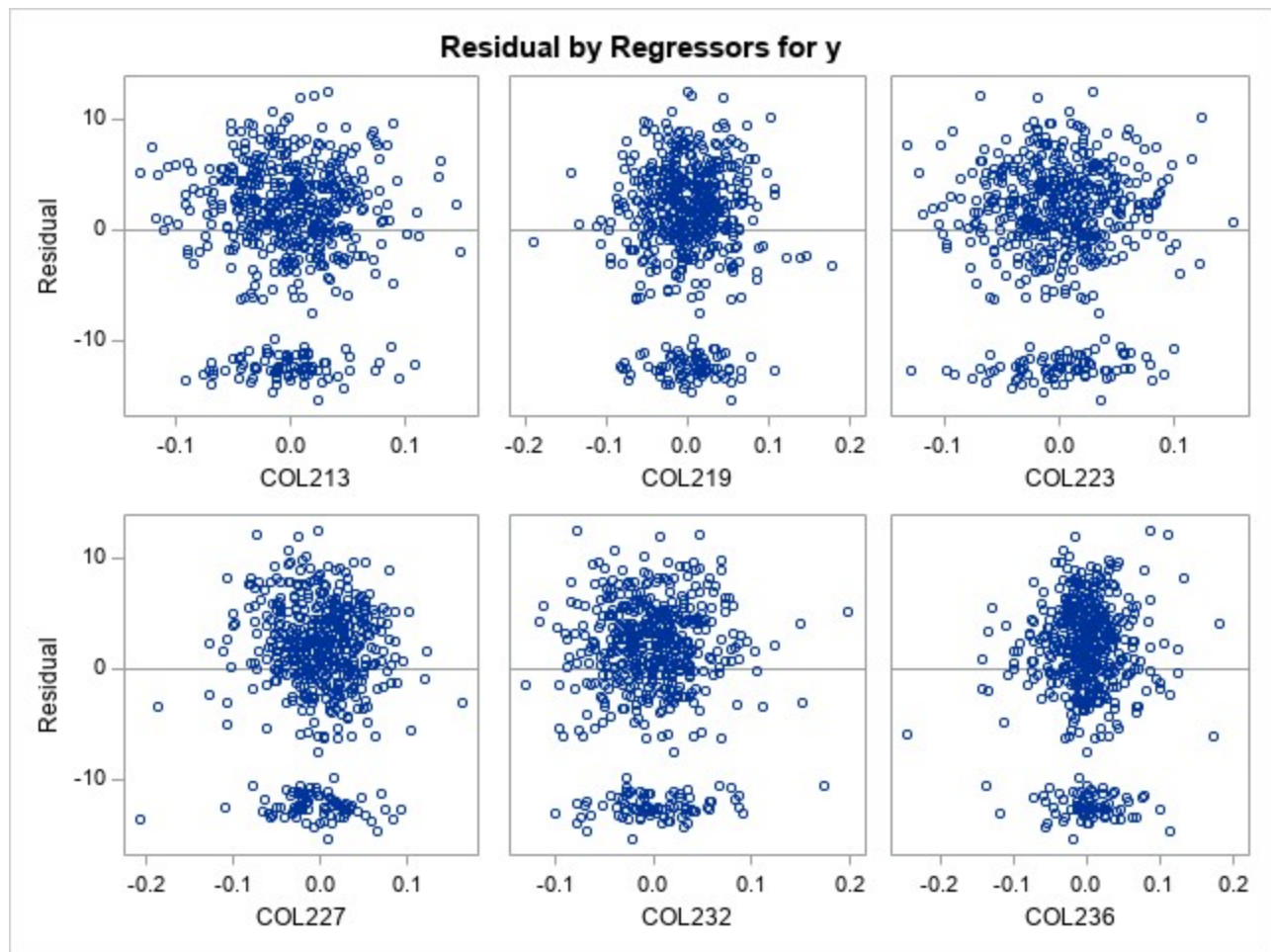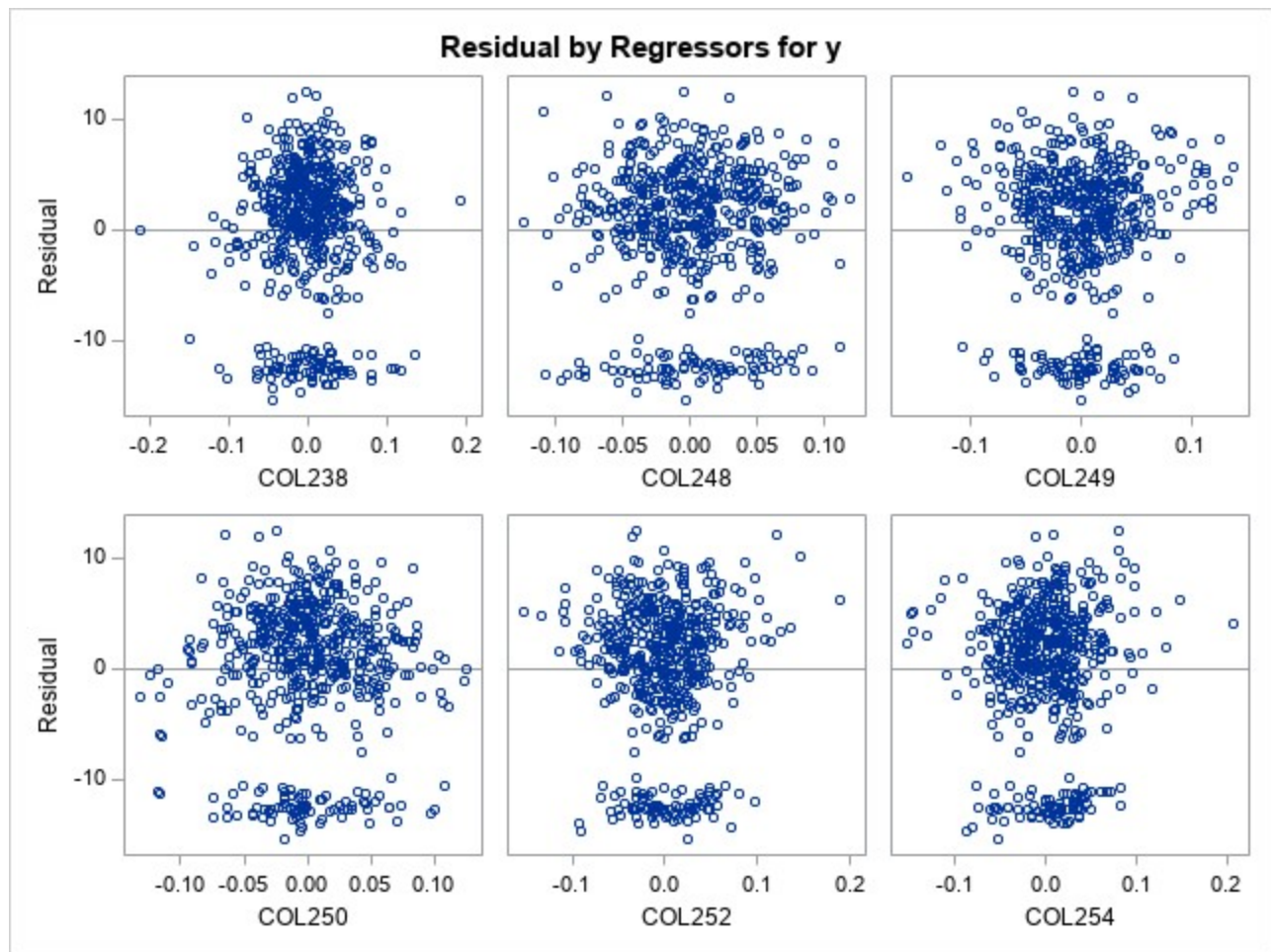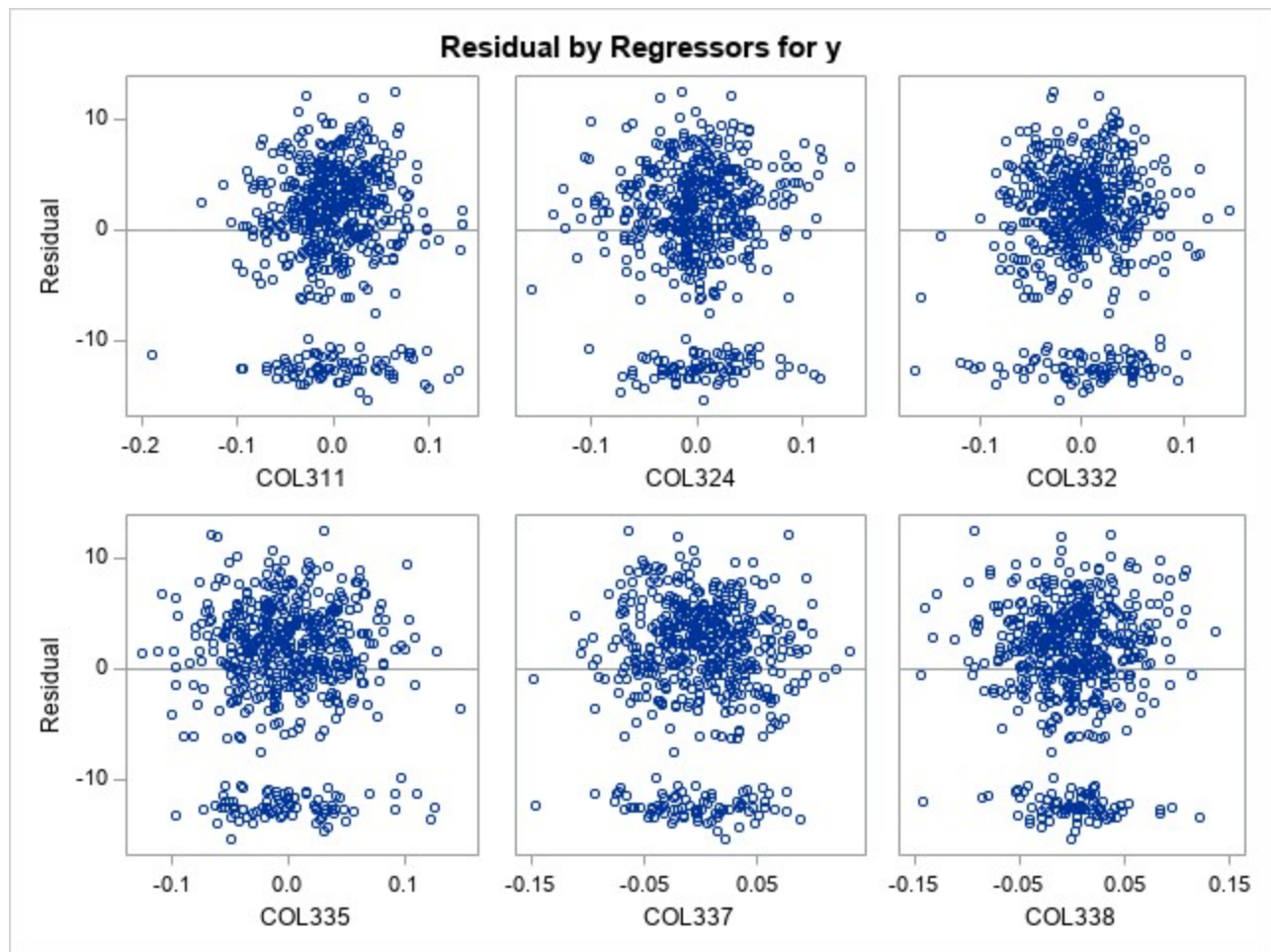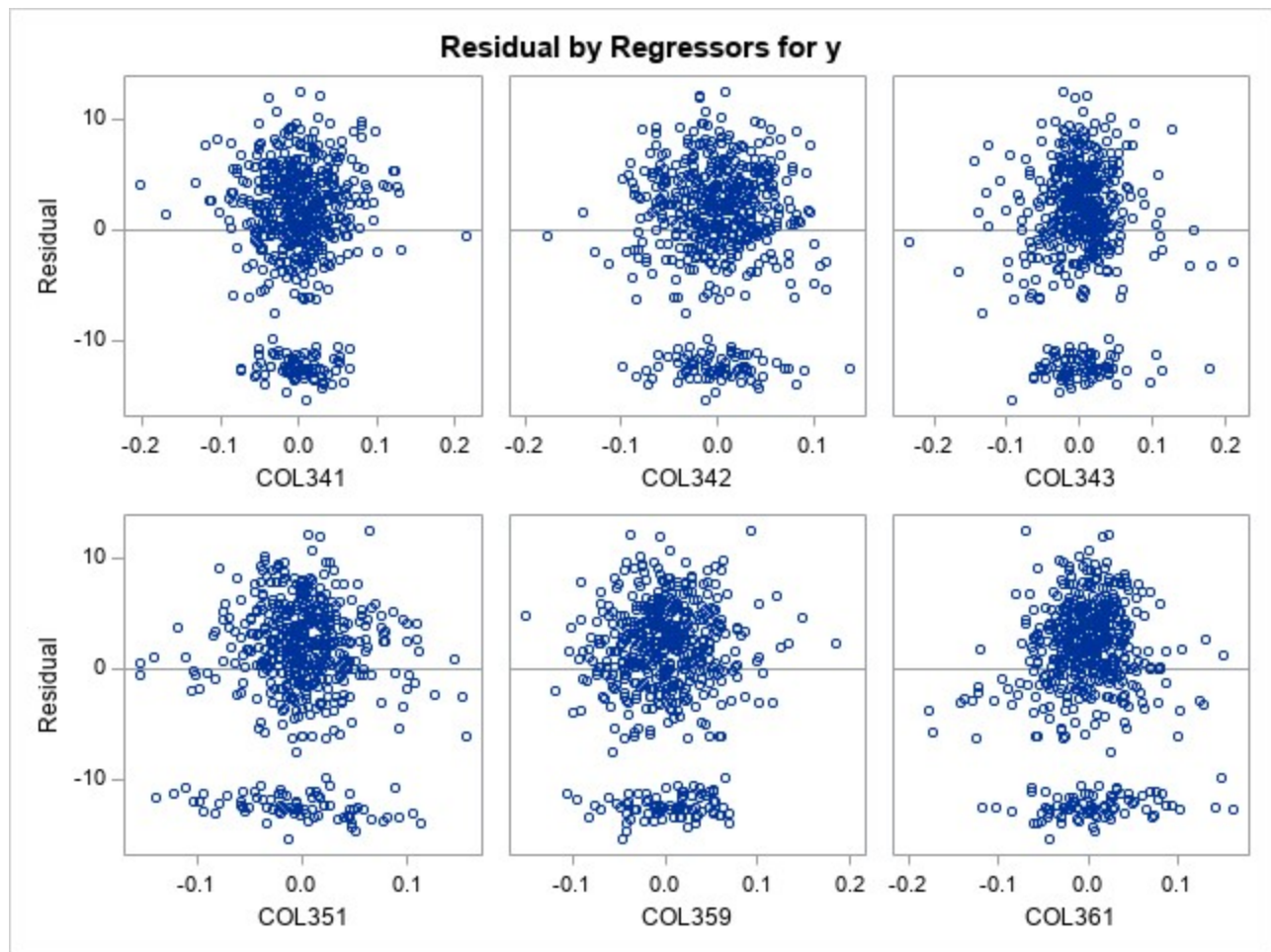
PSA-NSA mixtures: SAR-SMA

n
533

mc	gr
-0.049747	1.0185357

emc	smc	zmc	p
-0.050836	0.0261087	0.0417006	0.4833687

mc	gr
0.7443743	0.2815212