

The REG Procedure
Model: MODEL1
Dependent Variable: F_CONS Fuel Consumption

Number of Observations Read	21
Number of Observations Used	19
Number of Observations with Missing Values	2

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	1688.23129	1688.23129	1600.31	<.0001
Error	17	17.93397	1.05494		
Corrected Total	18	1706.16526			

Root MSE	1.02710	R-Square	0.9895
Dependent Mean	108.01579	Adj R-Sq	0.9889
Coeff Var	0.95088		

Parameter Estimates								
Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > t	95% Confidence Limits	
Intercept	Intercept	1	98.44828	0.33574	293.23	<.0001	97.73993	99.15664
E_5	(Equivalence Ratio)^5	1	12.37637	0.30938	40.00	<.0001	11.72363	13.02910

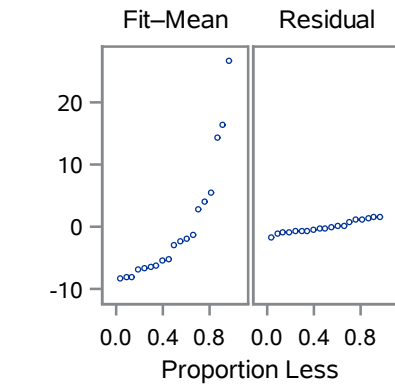
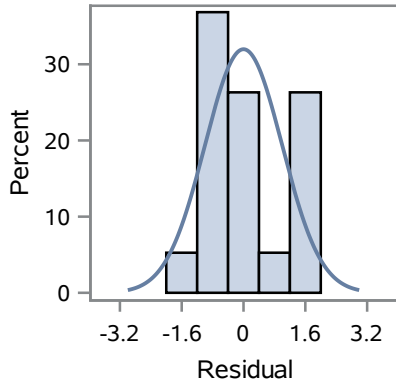
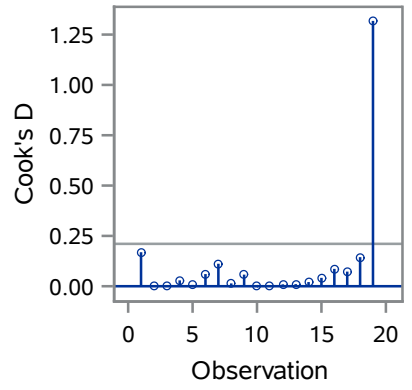
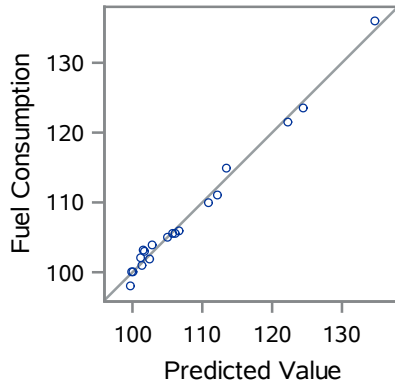
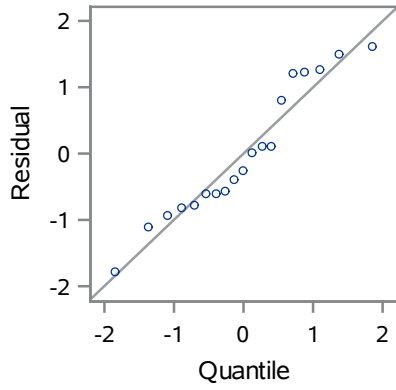
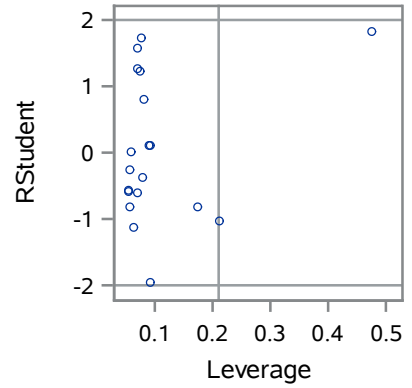
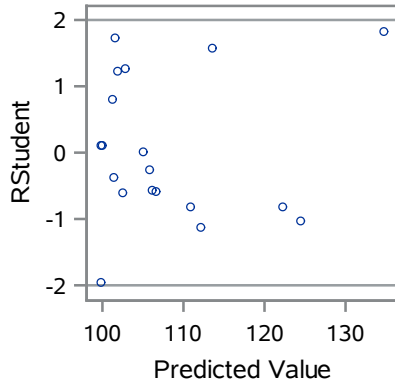
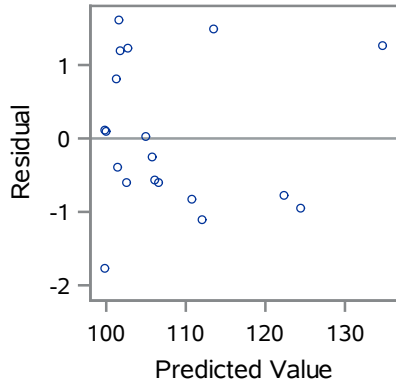
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Dependent Variable: F_CONS Fuel Consumption

Output Statistics								
Obs	Dependent Variable	Predicted Value	Std Error Mean Predict	95% CL Mean		95% CL Predict		Residual
1	98	99.7772	0.3129	99.1169	100.4374	97.5118	102.0425	-1.7772
2	100	99.8843	0.3112	99.2277	100.5409	97.6200	102.1486	0.1157
3	100	99.9982	0.3093	99.3456	100.6509	97.7351	102.2614	0.1018
4	102	101.1946	0.2909	100.5810	101.8083	98.9424	103.4468	0.8054
5	101	101.3853	0.2881	100.7774	101.9931	99.1346	103.6359	-0.3853
6	103	101.7983	0.2823	101.2028	102.3938	99.5510	104.0456	1.2017
7	103	101.5863	0.2852	100.9846	102.1881	99.3373	103.8353	1.6137
8	102	102.5038	0.2730	101.9279	103.0797	100.2616	104.7460	-0.6038
9	104	102.7637	0.2697	102.1946	103.3328	100.5232	105.0041	1.2363
10	105	104.9797	0.2476	104.4574	105.5020	102.7506	107.2087	0.0203
11	106	105.7564	0.2423	105.2452	106.2676	103.5299	107.9829	-0.2564
12	106	106.1715	0.2401	105.6650	106.6781	103.9461	108.3970	-0.5715
13	106	106.6053	0.2383	106.1026	107.1080	104.3808	108.8299	-0.6053
14	110	110.8247	0.2459	110.3059	111.3434	108.5964	113.0529	-0.8247
15	111	112.1128	0.2569	111.5707	112.6549	109.8790	114.3466	-1.1128
16	115	113.5060	0.2727	112.9307	114.0813	111.2640	115.7481	1.4940
17	122	122.2779	0.4274	121.3763	123.1796	119.9308	124.6250	-0.7779
18	124	124.4429	0.4734	123.4440	125.4418	122.0568	126.8290	-0.9429
19	136	134.7311	0.7082	133.2370	136.2253	132.0990	137.3633	1.2689
20	.	118.3805	0.3502	117.6416	119.1194	116.0910	120.6701	.
21	.	118.3805	0.3502	117.6416	119.1194	116.0910	120.6701	.

Sum of Residuals	0
Sum of Squared Residuals	17.93397
Predicted Residual SS (PRESS)	25.51561

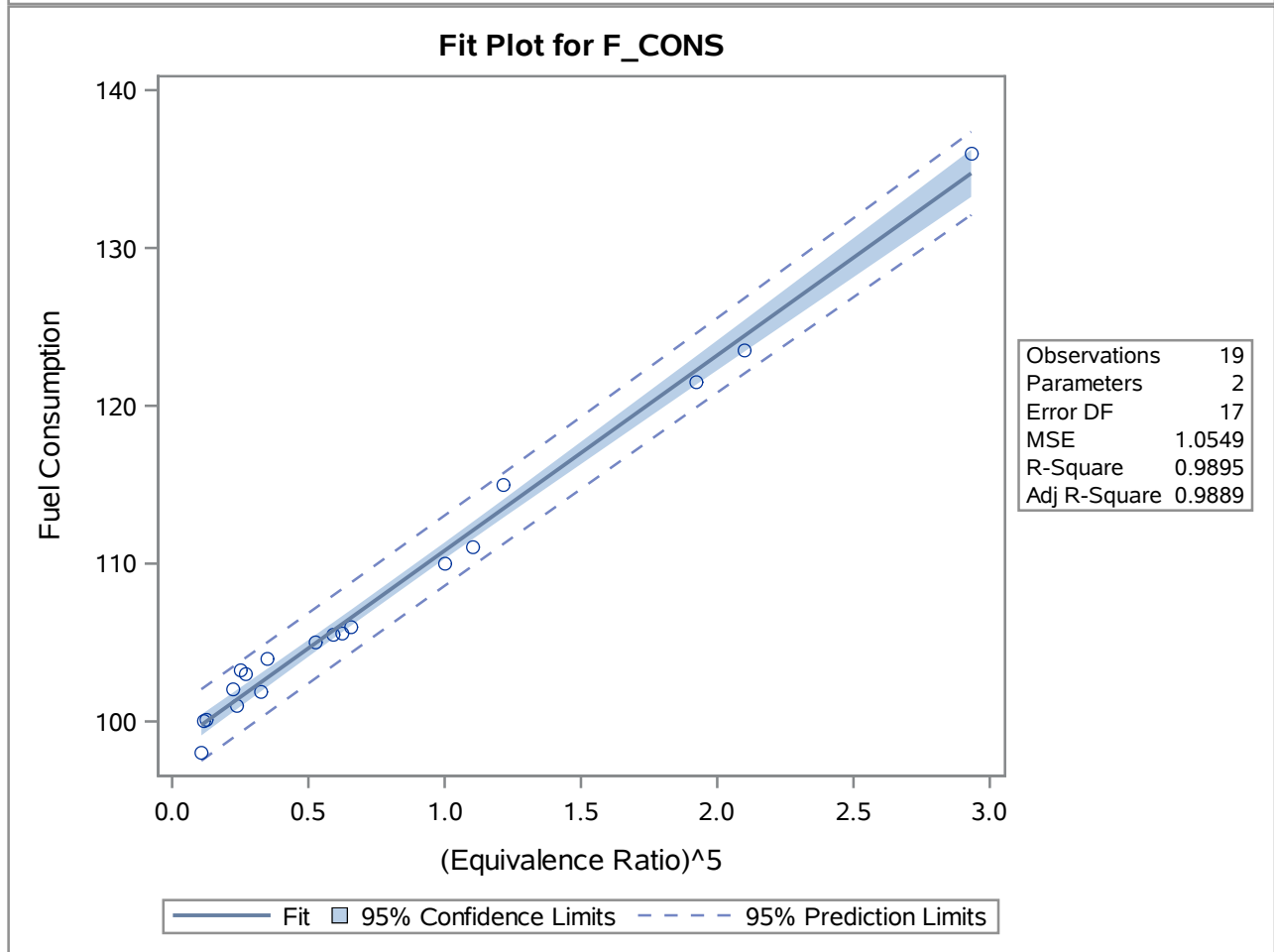
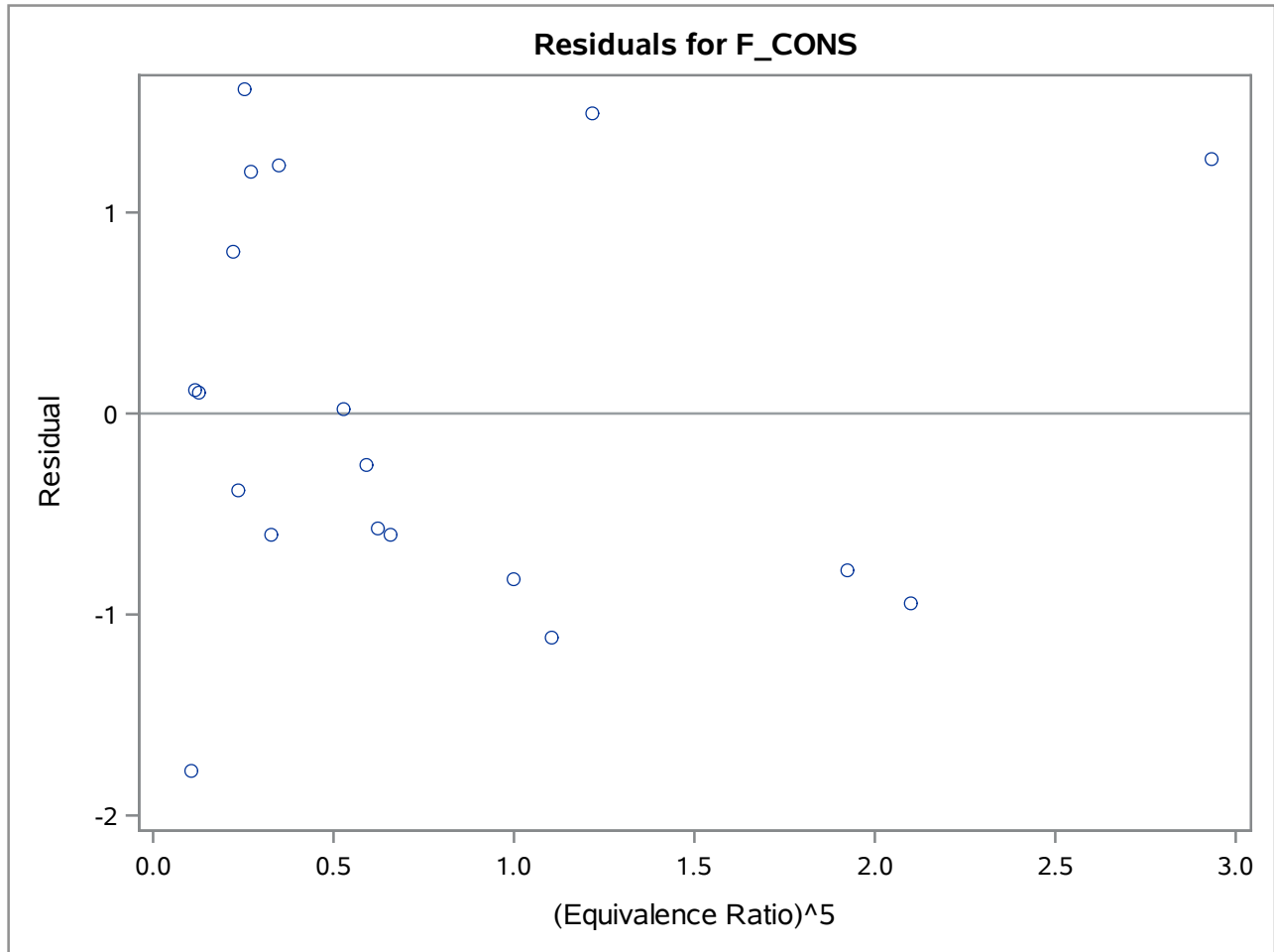
The REG Procedure
Model: MODEL1

Fit Diagnostics for F_CONS



Observations	19
Parameters	2
Error DF	17
MSE	1.0549
R-Square	0.9895
Adj R-Square	0.9889

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Obs	F_CONS	E_RATIO	E_5	predicted	lcl	ucl
1	98.0	0.64	0.10737	99.777	97.512	102.043
2	100.0	0.65	0.11603	99.884	97.620	102.149
3	100.1	0.66	0.12523	99.998	97.735	102.261
4	102.0	0.74	0.22190	101.195	98.942	103.447
5	101.0	0.75	0.23730	101.385	99.135	103.636
6	103.0	0.77	0.27068	101.798	99.551	104.046
7	103.2	0.76	0.25355	101.586	99.337	103.835
8	101.9	0.80	0.32768	102.504	100.262	104.746
9	104.0	0.81	0.34868	102.764	100.523	105.004
10	105.0	0.88	0.52773	104.980	102.751	107.209
11	105.5	0.90	0.59049	105.756	103.530	107.983
12	105.6	0.91	0.62403	106.172	103.946	108.397
13	106.0	0.92	0.65908	106.605	104.381	108.830
14	110.0	1.00	1.00000	110.825	108.596	113.053
15	111.0	1.02	1.10408	112.113	109.879	114.347
16	115.0	1.04	1.21665	113.506	111.264	115.748
17	121.5	1.14	1.92541	122.278	119.931	124.625
18	123.5	1.16	2.10034	124.443	122.057	126.829
19	136.0	1.24	2.93163	134.731	132.099	137.363
20	.	1.10	1.61051	118.381	116.091	120.670
21	.	1.10	1.61051	118.381	116.091	120.670