

The SAS System

The GLM Procedure

Class Level Information		
Class	Levels	Values
A	2	-1 1
B	2	-1 1
C	2	-1 1
AB	2	-1 1
AC	2	-1 1
BC	2	-1 1
ABC	2	-1 1

Number of Observations Read	24
Number of Observations Used	24

The SAS System

The GLM Procedure

Dependent Variable: y_n

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	7	386282057	55183151	0.85	0.5632
Error	16	1037833577	64864599		
Corrected Total	23	1424115633			

R-Square	Coeff Var	Root MSE	y_n Mean
0.271243	55.51298	8053.856	14508.06

Source	DF	Type I SS	Mean Square	F Value	Pr > F
A	1	62174985.0	62174985.0	0.96	0.3421
B	1	610.0	610.0	0.00	0.9976
C	1	507911.4	507911.4	0.01	0.9306
AB	1	151458528.4	151458528.4	2.33	0.1460
AC	1	21821801.0	21821801.0	0.34	0.5700
BC	1	98519517.7	98519517.7	1.52	0.2356
ABC	1	51798703.1	51798703.1	0.80	0.3848

Source	DF	Type III SS	Mean Square	F Value	Pr > F
A	1	62174985.0	62174985.0	0.96	0.3421
B	1	610.0	610.0	0.00	0.9976
C	1	507911.4	507911.4	0.01	0.9306
AB	1	151458528.4	151458528.4	2.33	0.1460
AC	1	21821801.0	21821801.0	0.34	0.5700
BC	1	98519517.7	98519517.7	1.52	0.2356
ABC	1	51798703.1	51798703.1	0.80	0.3848

The SAS System

The REG Procedure

Model: MODEL1

Dependent Variable: y_n

Number of Observations Read	24
Number of Observations Used	24

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	7	386282057	55183151	0.85	0.5632
Error	16	1037833577	64864599		
Corrected Total	23	1424115633			

Root MSE	8053.85613	R-Square	0.2712
Dependent Mean	14508	Adj R-Sq	-0.0476
Coeff Var	55.51298		

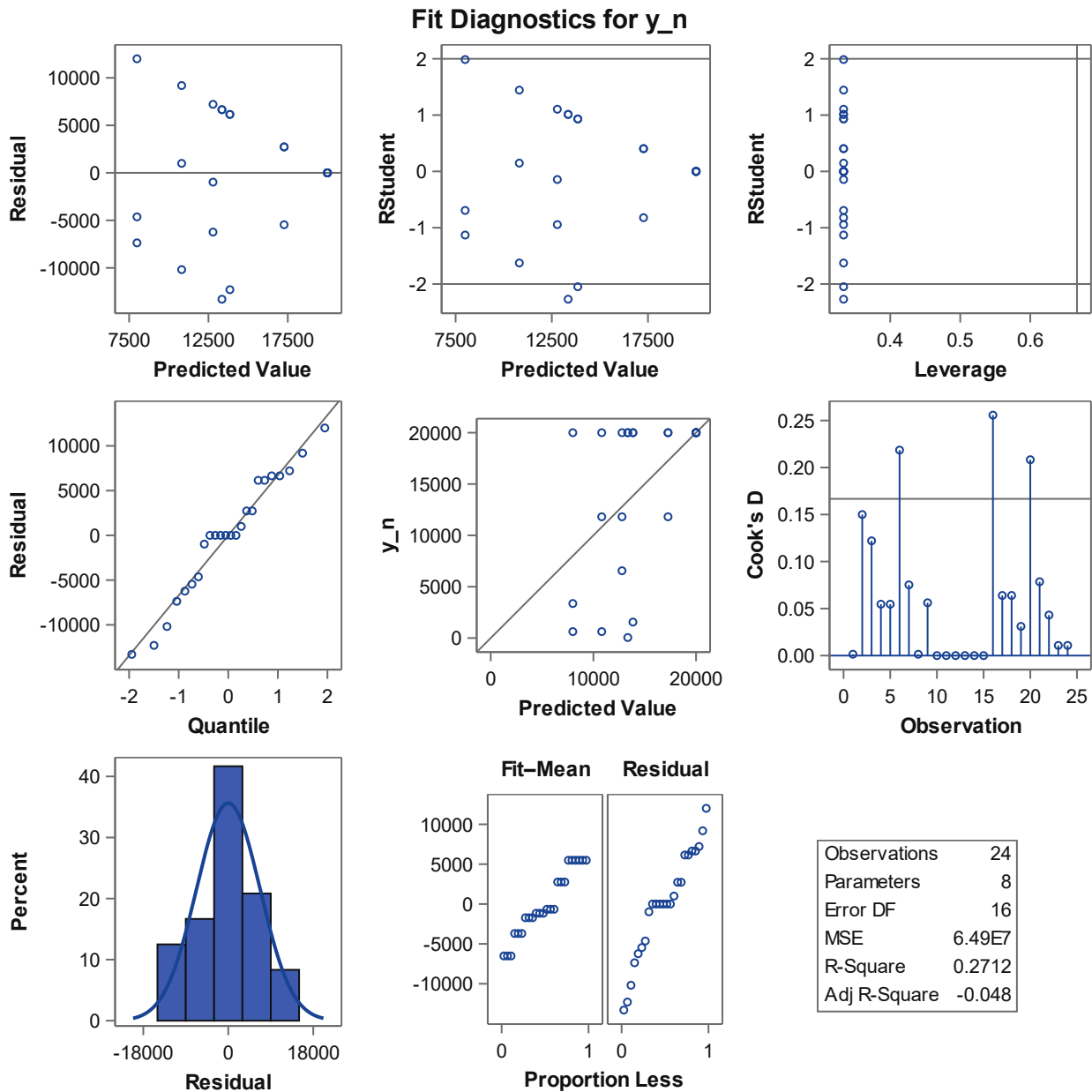
Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	1	14508	1643.98650	8.82	<.0001
A	1	1609.54167	1643.98650	0.98	0.3421
B	1	5.04167	1643.98650	0.00	0.9976
C	1	145.47500	1643.98650	0.09	0.9306
AB	1	2512.12500	1643.98650	1.53	0.1460
AC	1	-953.54167	1643.98650	-0.58	0.5700
BC	1	-2026.07500	1643.98650	-1.23	0.2356
ABC	1	1469.10833	1643.98650	0.89	0.3848

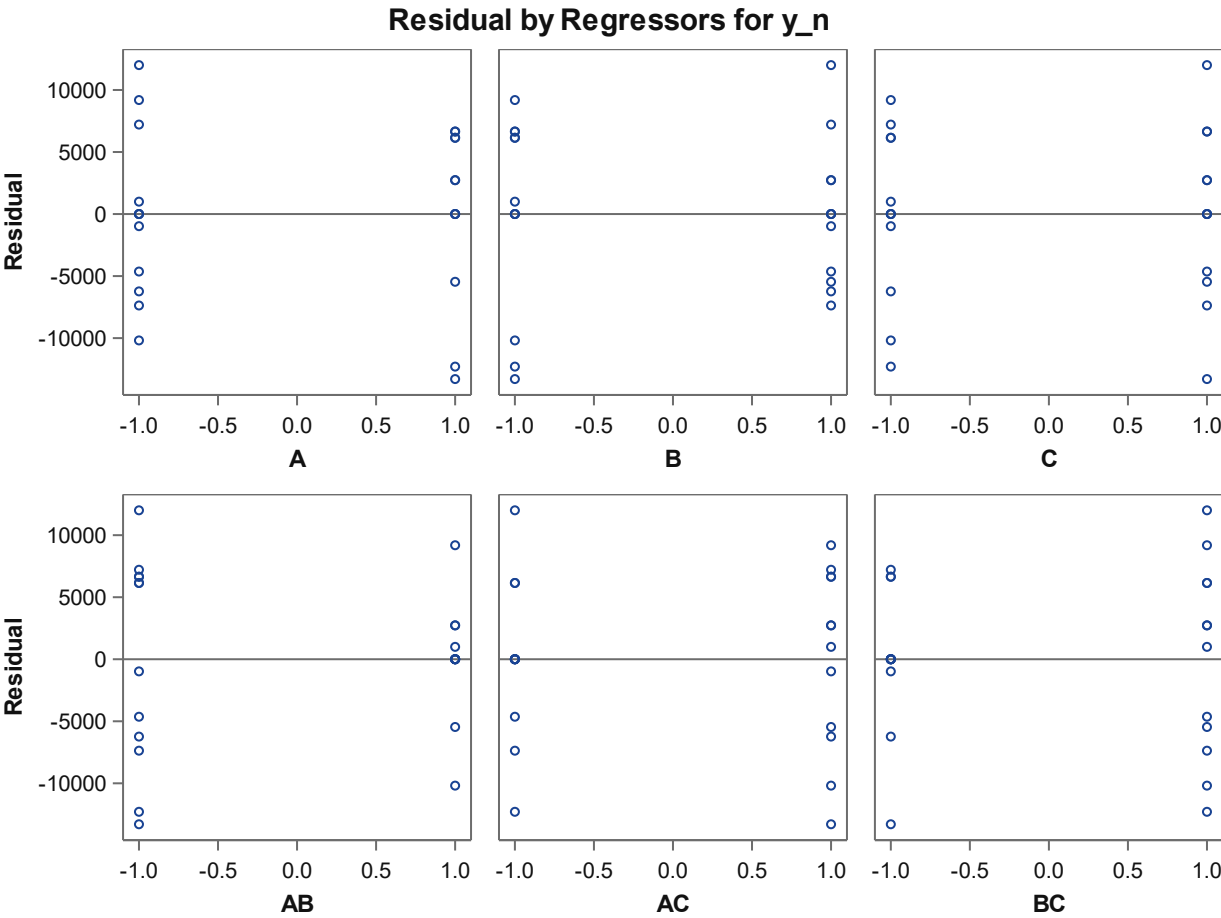
The SAS System

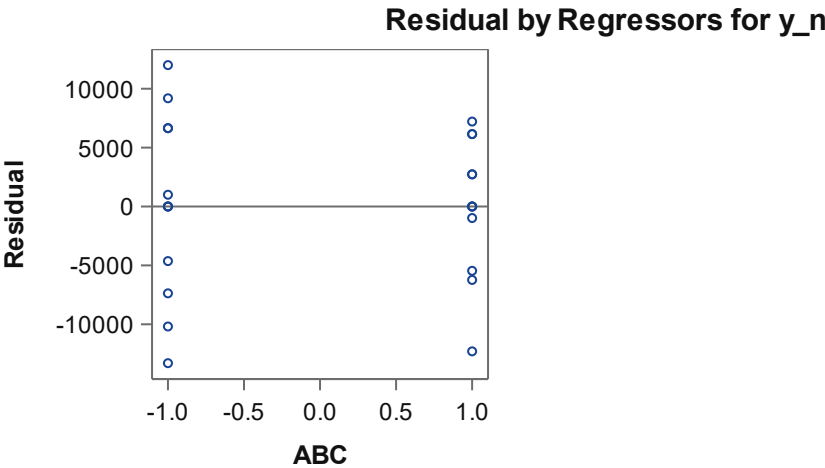
The REG Procedure

Model: MODEL1

Dependent Variable: y_n







The SAS System

Obs	_MODEL_	_TYPE_	_DEPVAR_	_RMSE_	Intercept	A	B	C	AB
1	MODEL1	PARMS	y_n	8053.86	14508.06	1609.54	5.04167	145.475	2512.13

Obs	AC	BC	ABC	y_n
1	-953.542	-2026.07	1469.11	-1

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Obs	_NAME_	COL1	effect
1	BC	-2026.07	-4052.15
2	AC	-953.54	-1907.08
3	B	5.04	10.08
4	C	145.48	290.95
5	ABC	1469.11	2938.22
6	A	1609.54	3219.08
7	AB	2512.13	5024.25

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Obs	_NAME_	COL1	effect	neff
1	BC	-2026.07	-4052.15	-1.36449
2	AC	-953.54	-1907.08	-0.75829
3	B	5.04	10.08	-0.35293
4	C	145.48	290.95	0.00000
5	ABC	1469.11	2938.22	0.35293
6	A	1609.54	3219.08	0.75829
7	AB	2512.13	5024.25	1.36449

