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

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	7	23.29166667	3.32738095	0.73	0.6479
Error	16	72.66666667	4.54166667		
Corrected Total	23	95.95833333			

R-Square	Coeff Var	Root MSE	y Mean
0.242727	24.24021	2.131119	8.791667

Source	DF	Type I SS	Mean Square	F Value	Pr > F
A	1	1.04166667	1.04166667	0.23	0.6385
B	1	1.04166667	1.04166667	0.23	0.6385
C	1	0.37500000	0.37500000	0.08	0.7775
AB	1	9.37500000	9.37500000	2.06	0.1701
AC	1	1.04166667	1.04166667	0.23	0.6385
BC	1	3.37500000	3.37500000	0.74	0.4014
ABC	1	7.04166667	7.04166667	1.55	0.2310

Source	DF	Type III SS	Mean Square	F Value	Pr > F
A	1	1.04166667	1.04166667	0.23	0.6385
B	1	1.04166667	1.04166667	0.23	0.6385
C	1	0.37500000	0.37500000	0.08	0.7775
AB	1	9.37500000	9.37500000	2.06	0.1701
AC	1	1.04166667	1.04166667	0.23	0.6385
BC	1	3.37500000	3.37500000	0.74	0.4014
ABC	1	7.04166667	7.04166667	1.55	0.2310

The SAS System

The REG Procedure
Model: MODEL1
Dependent Variable: y

Number of Observations Read	24
Number of Observations Used	24

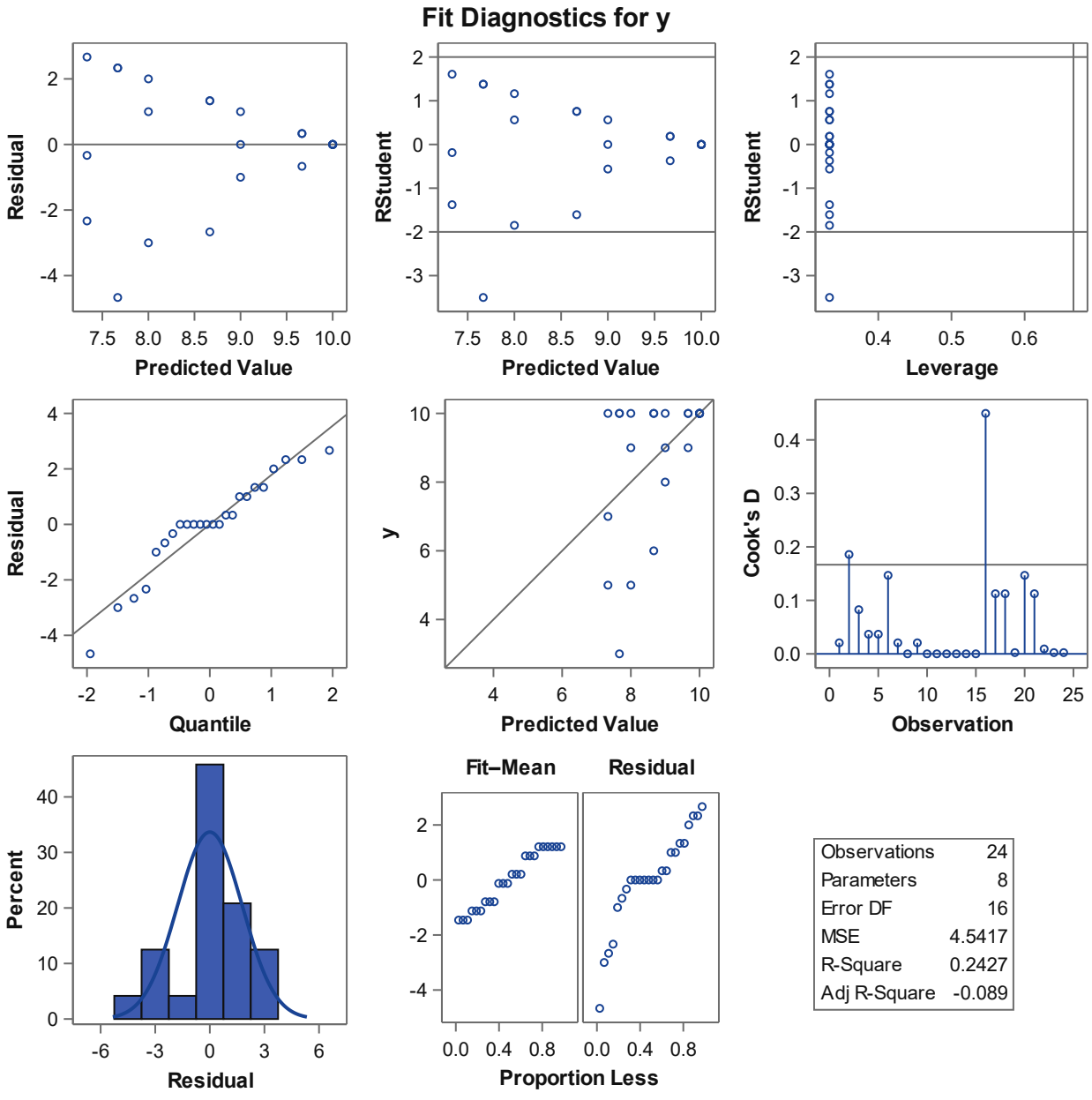
Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	7	23.29167	3.32738	0.73	0.6479
Error	16	72.66667	4.54167		
Corrected Total	23	95.95833			

Root MSE	2.13112	R-Square	0.2427
Dependent Mean	8.79167	Adj R-Sq	-0.0886
Coeff Var	24.24021		

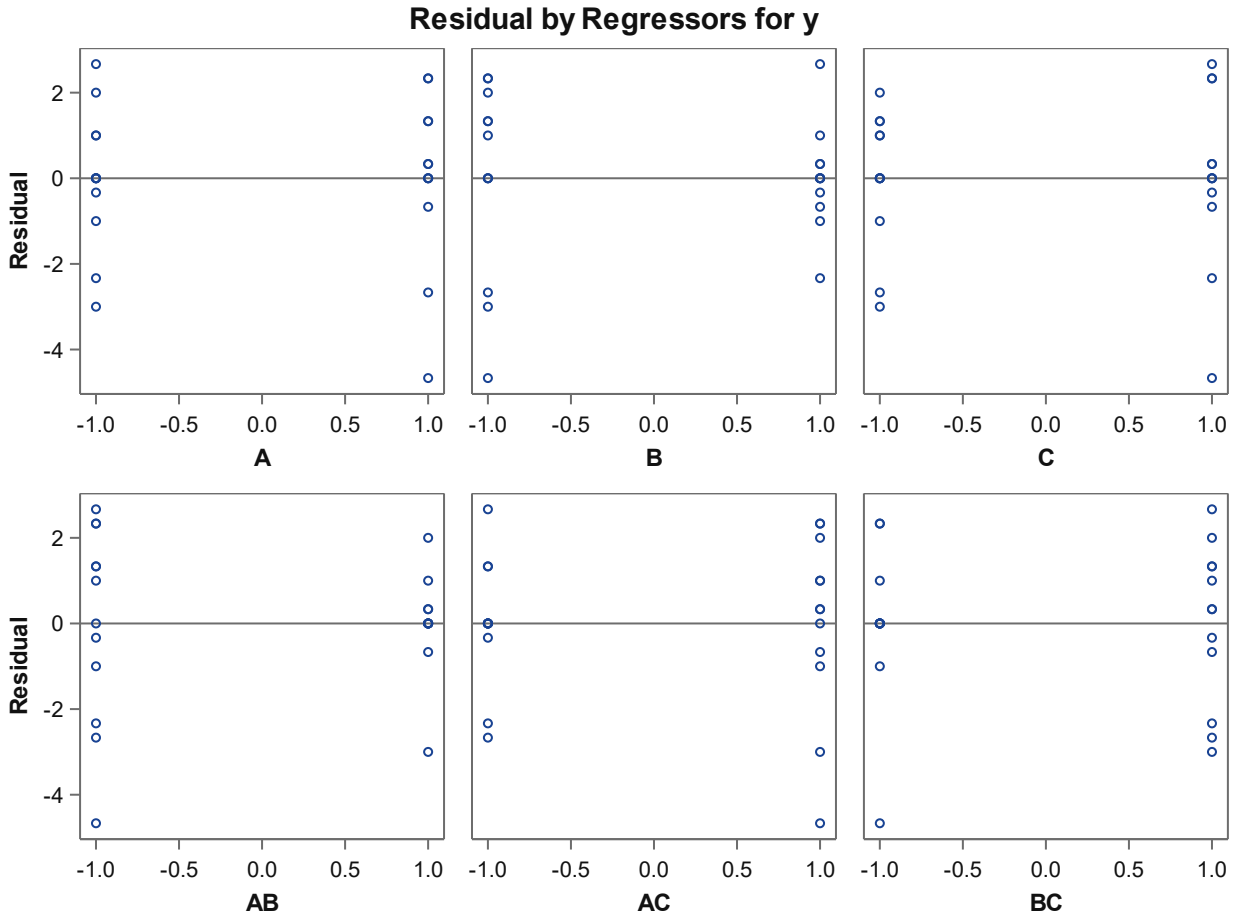
Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	8.79167	0.43501	20.21	<.0001
A	1	0.20833	0.43501	0.48	0.6385
B	1	0.20833	0.43501	0.48	0.6385
C	1	-0.12500	0.43501	-0.29	0.7775
AB	1	0.62500	0.43501	1.44	0.1701
AC	1	-0.20833	0.43501	-0.48	0.6385
BC	1	-0.37500	0.43501	-0.86	0.4014
ABC	1	0.54167	0.43501	1.25	0.2310

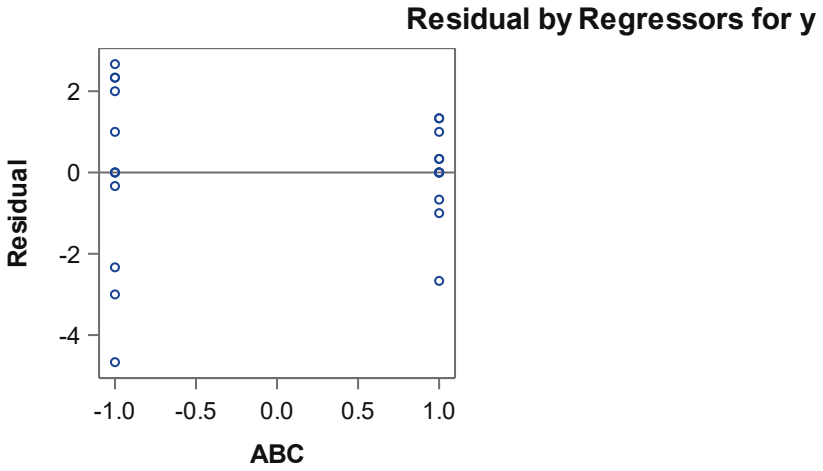
The SAS System

The REG Procedure
Model: MODEL1
Dependent Variable: y



Observations	24
Parameters	8
Error DF	16
MSE	4.5417
R-Square	0.2427
Adj R-Square	-0.089


Residual by Regressors for y
Residual
2
0
-2
-4
-1.0
-0.5
0.0
0.5
1.0
A
B
C
AB
AC
BC


Residual by Regressors for y
Residual
2
0
-2
-4
-1.0
-0.5
0.0
0.5
1.0
ABC

The SAS System

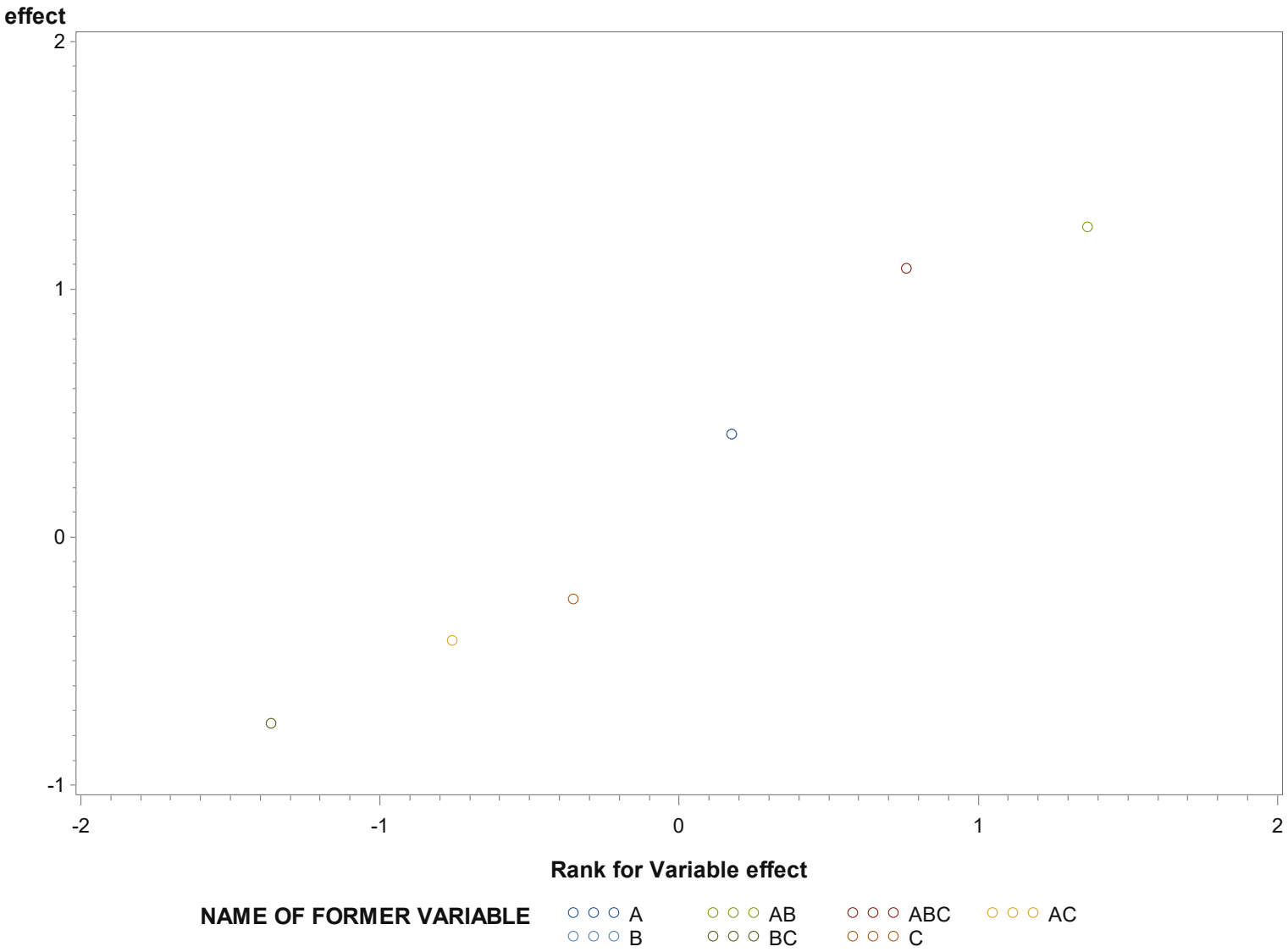
Obs	_MODEL_	_TYPE_	_DEPVAR_	_RMSE_	Intercept	A	B	C	AB	AC	BC	ABC	y
1	MODEL1	PARMS	y	2.13112	8.79167	0.20833	0.20833	-0.125	0.625	-0.20833	-0.375	0.54167	-1

The SAS System

Obs	_NAME_	COL1	effect
1	BC	-0.37500	-0.75000
2	AC	-0.20833	-0.41667
3	C	-0.12500	-0.25000
4	A	0.20833	0.41667
5	B	0.20833	0.41667
6	ABC	0.54167	1.08333
7	AB	0.62500	1.25000

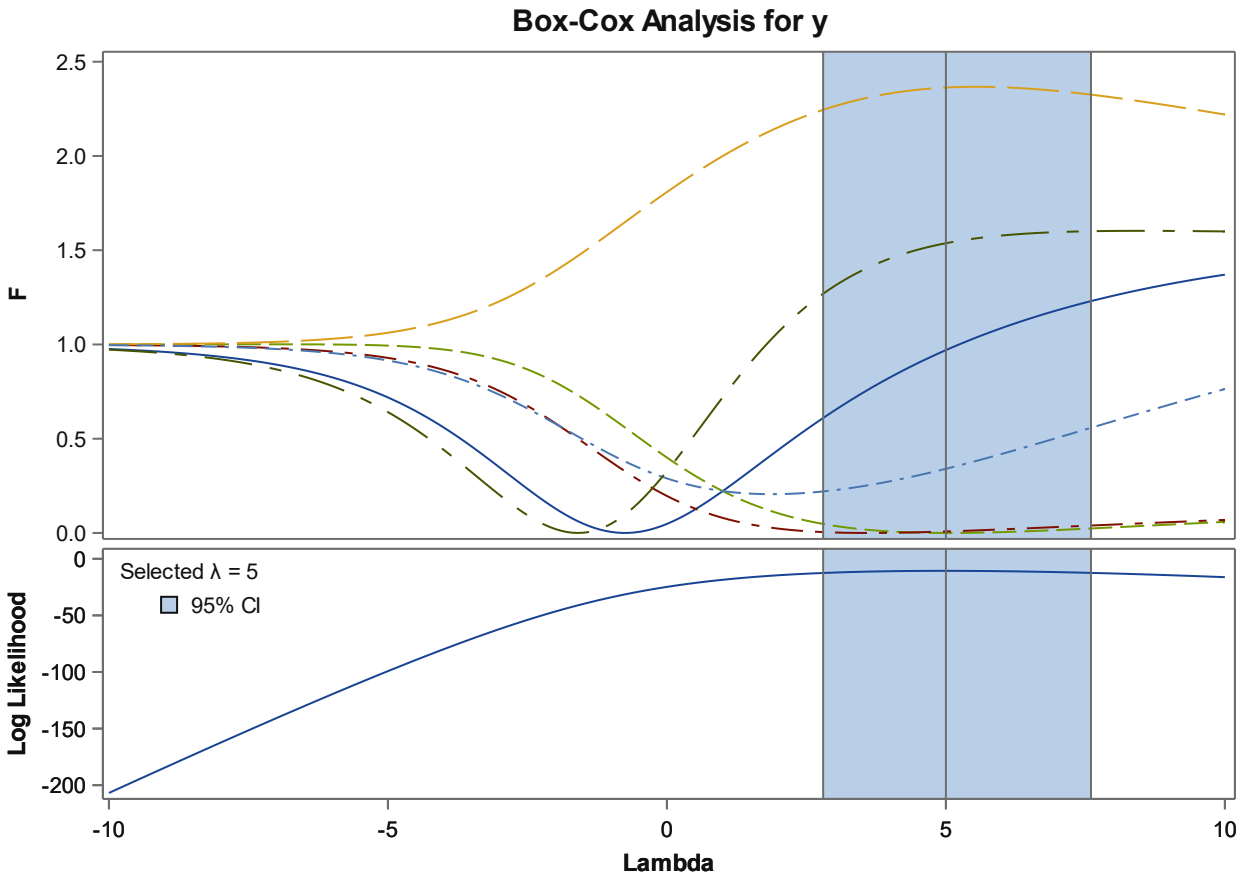
The SAS System

Obs	_NAME_	COL1	effect	neff
1	BC	-0.37500	-0.75000	-1.36449
2	AC	-0.20833	-0.41667	-0.75829
3	C	-0.12500	-0.25000	-0.35293
4	A	0.20833	0.41667	0.17647
5	B	0.20833	0.41667	0.17647
6	ABC	0.54167	1.08333	0.75829
7	AB	0.62500	1.25000	1.36449


effect
2
1
0
-1
-2
-1
0
1
2
Rank for Variable effect
NAME OF FORMER VARIABLE
A
B
AB
BC
ABC
C
AC

The SAS System

The TRANSREG Procedure



No Terms with Pr F < 0.05 at the Selected Lambda