

Moore and Krupat data

Obs	partner	status	conformity	fcategory	fscore	statuslow	fcategorylow
1	1	low	8	low	37	1	1
2	2	low	4	high	57	1	-1
3	3	low	8	high	65	1	-1
4	4	low	7	low	20	1	1
5	5	low	10	low	36	1	1
6	6	low	6	low	18	1	1
7	7	low	12	medium	51	1	0
8	8	low	4	medium	44	1	0
9	9	low	13	low	31	1	1
10	10	low	12	low	36	1	1

Obs	fcategorymedium	statlowfcatlow	statlowfcatmed
1	0	1	0
2	-1	-1	-1
3	-1	-1	-1
4	0	1	0
5	0	1	0
6	0	1	0
7	1	0	1
8	1	0	1
9	0	1	0
10	0	1	0

The GLM Procedure

Class Level Information		
Class	Levels	Values
status	2	high low
fcategory	3	high low medium

Number of Observations Read	45
Number of Observations Used	45

The GLM Procedure

Dependent Variable: conformity

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	391.436039	78.287208	3.73	0.0074
Error	39	817.763961	20.968307		
Corrected Total	44	1209.200000			

R-Square	Coeff Var	Root MSE	conformity Mean
0.323715	37.73997	4.579116	12.13333

Source	DF	Type I SS	Mean Square	F Value	Pr > F
status	1	204.3324111	204.3324111	9.74	0.0034
fcategory	2	11.6147000	5.8073500	0.28	0.7596
status*fcategory	2	175.4889278	87.7444639	4.18	0.0226

Source	DF	Type II SS	Mean Square	F Value	Pr > F
status	1	212.2137778	212.2137778	10.12	0.0029
fcategory	2	11.6147000	5.8073500	0.28	0.7596
status*fcategory	2	175.4889278	87.7444639	4.18	0.0226

Source	DF	Type III SS	Mean Square	F Value	Pr > F
status	1	239.5623698	239.5623698	11.42	0.0017
fcategory	2	36.0187056	18.0093528	0.86	0.4315
status*fcategory	2	175.4889278	87.7444639	4.18	0.0226

The REG Procedure
Model: modelSSabc
Dependent Variable: conformity

Number of Observations Read	45
Number of Observations Used	45

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	391.43604	78.28721	3.73	0.0074
Error	39	817.76396	20.96831		
Corrected Total	44	1209.20000			

Root MSE	4.57912	R-Square	0.3237
Dependent Mean	12.13333	Adj R-Sq	0.2370
Coeff Var	37.73997		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	1	12.05081	0.72754	16.56	<.0001
statuslow	1	-2.45915	0.72754	-3.38	0.0017
fcategorylow	1	1.09919	1.02641	1.07	0.2908
fcategorymedium	1	-1.28945	1.06066	-1.22	0.2314
statlowfcatl	1	-1.79085	1.02641	-1.74	0.0889
statlowfcamed	1	-1.05222	1.06066	-0.99	0.3273

The REG Procedure
Model: modelSSab
Dependent Variable: conformity

Number of Observations Read	45
Number of Observations Used	45

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	215.94711	71.98237	2.97	0.0428
Error	41	993.25289	24.22568		
Corrected Total	44	1209.20000			

Root MSE	4.92196	R-Square	0.1786
Dependent Mean	12.13333	Adj R-Sq	0.1185
Coeff Var	40.56560		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	1	12.08215	0.73393	16.46	<.0001
statuslow	1	-2.30333	0.77823	-2.96	0.0051
fcategorylow	1	0.41896	1.07390	0.39	0.6985
fcategorymedium	1	-0.75704	1.09377	-0.69	0.4928

The REG Procedure
Model: modelSSac
Dependent Variable: conformity

Number of Observations Read	45
Number of Observations Used	45

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	355.41733	118.47244	5.69	0.0024
Error	41	853.78267	20.82397		
Corrected Total	44	1209.20000			

Root MSE	4.56333	R-Square	0.2939
Dependent Mean	12.13333	Adj R-Sq	0.2423
Coeff Var	37.60985		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	1	12.11000	0.72153	16.78	<.0001
statuslow	1	-2.13089	0.68045	-3.13	0.0032
statlowfcatlow	1	-1.77244	0.99565	-1.78	0.0825
statlowfcatmed	1	-0.75111	1.01407	-0.74	0.4631

The REG Procedure
Model: modelSSbc
Dependent Variable: conformity

Number of Observations Read	45
Number of Observations Used	45

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	151.87367	37.96842	1.44	0.2398
Error	40	1057.32633	26.43316		
Corrected Total	44	1209.20000			

Root MSE	5.14132	R-Square	0.1256
Dependent Mean	12.13333	Adj R-Sq	0.0382
Coeff Var	42.37351		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	1	12.16239	0.81602	14.90	<.0001
fcategorylow	1	0.17580	1.11086	0.16	0.8751
fcategorymedium	1	-0.10952	1.12454	-0.10	0.9229
statlowfcatl	1	-1.81458	1.15240	-1.57	0.1232
statlowfcamed	1	-0.74384	1.18647	-0.63	0.5343

The REG Procedure
Model: modelSSa
Dependent Variable: conformity

Number of Observations Read	45
Number of Observations Used	45

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	204.33241	204.33241	8.74	0.0050
Error	43	1004.86759	23.36901		
Corrected Total	44	1209.20000			

Root MSE	4.83415	R-Square	0.1690
Dependent Mean	12.13333	Adj R-Sq	0.1497
Coeff Var	39.84190		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	1	12.08597	0.72081	16.77	<.0001
statuslow	1	-2.13142	0.72081	-2.96	0.0050

The REG Procedure
Model: modelSSb
Dependent Variable: conformity

Number of Observations Read	45
Number of Observations Used	45

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	3.73333	1.86667	0.07	0.9371
Error	42	1205.46667	28.70159		
Corrected Total	44	1209.20000			

Root MSE	5.35739	R-Square	0.0031
Dependent Mean	12.13333	Adj R-Sq	-0.0444
Coeff Var	44.15428		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	1	12.13333	0.79863	15.19	<.0001
fcategorylow	1	-0.40000	1.12944	-0.35	0.7250
fcategorymedium	1	0.26667	1.12944	0.24	0.8145