

# Teacher Evaluation Multiple Regression Model

## Response EVAL

Whole Model: Test 1, Test 2, Test 3, Test 4

### Summary of Fit

RSquare	0.802861
RSquare Adj	0.759052
Root Mean Square Error	37.53627
Mean of Response	444.4783
Observations (or Sum Wgts)	23

### Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio
Model	4	103286.25	25821.6	18.3265
Error	18	25361.49	1409.0	Prob > F
C. Total	22	128647.74		<.0001

### Parameter Estimates

Term	Estimate	Std Error	t Ratio	Prob> t
Intercept	-193.4994	125.3074	-1.54	0.1399
Test1	1.1158539	0.319746	3.49	0.0026
Test2	2.243267	0.628449	3.57	0.0022
Test3	-1.367001	0.563965	-2.42	0.0261
Test4	6.0482387	1.202281	5.03	<.0001

### Effect Tests

Source	Nparm	DF	Sum of Squares	F Ratio	Prob > F
Test1	1	1	17159.597	12.1788	0.0026
Test2	1	1	17952.485	12.7416	0.0022
Test3	1	1	8278.197	5.8753	0.0261
Test4	1	1	35657.267	25.3073	<.0001