

Output of Fit Model for Highway MPG by Drive

Response: Highway MPG

Explanatory: Drive

Summary of Fit

RSquare	0.254103
RSquare Adj	0.238723
Root Mean Square Error	5.311626
Mean of Response	27.7
Observations (or Sum Wgts)	100

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio
Model	2	932.3031	466.152	16.5224
Error	97	2736.6969	28.213	Prob > F
C. Total	99	3669.0000		<.0001

Effect Tests

Source	Nparm	DF	Sum of Squares	F Ratio	Prob > F
Drive	2	2	932.30311	16.5224	<.0001

Effect Details

LSMeans Differences Student's t

$\alpha=0.050$ $t=1.98472$

LSMean[i] By LSMean[j]

Mean[i]-Mean[j]	All	Front	Rear
Std Err Dif			
Lower CL Dif			
Upper CL Dif			
All	0	-7.3746	-3.9207
	0	1.30265	1.69891
	0	-9.96	-7.2926
	0	-4.7892	-0.5489
Front	7.37464	0	3.45392
	1.30265	0	1.45939
	4.78924	0	0.55743
	9.96003	0	6.35042
Rear	3.92072	-3.4539	0
	1.69891	1.45939	0
	0.54886	-6.3504	0
	7.29257	-0.5574	0

Level	Least Sq Mean
Front A	29.983333
Rear B	26.529412
All C	22.608696

Levels not connected by same letter are significantly different.