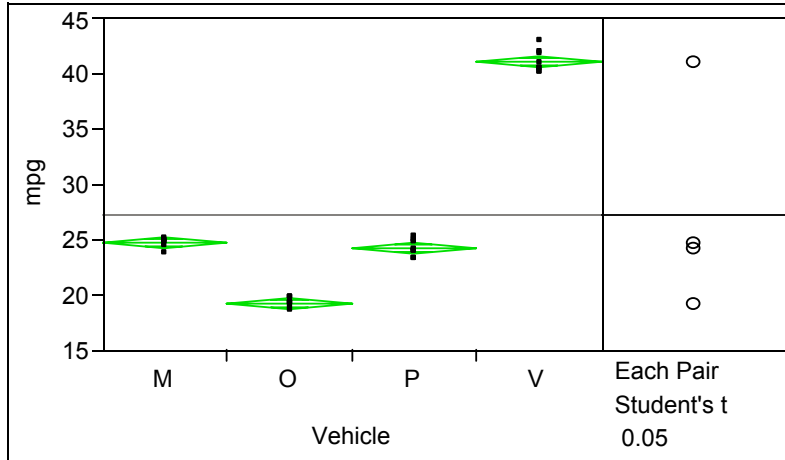


JMP output for fuel economy experiment

Oneway Analysis of mpg By Vehicle



Oneway Anova Summary of Fit

Rsquare	0.993534
Adj Rsquare	0.992841
Root Mean Square Error	0.709628
Mean of Response	27.325
Observations (or Sum Wgts)	32

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio	Prob > F
Vehicle	3	2166.4600	722.153	1434.063	<.0001
Error	28	14.1000	0.504		
C. Total	31	2180.5600			

Means for Oneway Anova

Level	Number	Mean	Std Error	Lower 95%	Upper 95%
M	8	24.7000	0.25089	24.186	25.214
O	8	19.3000	0.25089	18.786	19.814
P	8	24.2000	0.25089	23.686	24.714
V	8	41.1000	0.25089	40.586	41.614

Std Error uses a pooled estimate of error variance

Means Comparisons (Default output for Compare Means – Each Pair, Student's t)

Comparisons for each pair using Student's t

	t	Alpha			
	2.04841	0.05			
Abs(Dif)-LSD		V	M	P	O
V		-0.727	15.673	16.173	21.073
M		15.673	-0.727	-0.227	4.673
P		16.173	-0.227	-0.727	4.173
O		21.073	4.673	4.173	-0.727
Level		Mean			
V	A	41.100000			
M	B	24.700000			
P	B	24.200000			
O	C	19.300000			

Levels not connected by same letter are significantly different

Means Comparisons (Set Alpha Level at 0.01)

Comparisons for each pair using Student's t

	t	Alpha			
	2.76326	0.01			
Abs(Dif)-LSD		V	M	P	O
V		-0.980	15.420	15.920	20.820
M		15.420	-0.980	-0.480	4.420
P		15.920	-0.480	-0.980	3.920
O		20.820	4.420	3.920	-0.980
Level		Mean			
V	A	41.100000			
M	B	24.700000			
P	B	24.200000			
O	C	19.300000			

Levels not connected by same letter are significantly different

Means Comparisons

Comparisons for all pairs using Tukey-Kramer HSD

	q*	Alpha			
	2.73031	0.05			
Abs(Dif)-LSD		V	M	P	O
V		-0.969	15.431	15.931	20.831
M		15.431	-0.969	-0.469	4.431
P		15.931	-0.469	-0.969	3.931
O		20.831	4.431	3.931	-0.969
Level		Mean			
V	A	41.100000			
M	B	24.700000			
P	B	24.200000			
O	C	19.300000			

Levels not connected by same letter are significantly different