

SPSS Output for Latin Square Design

Tests of Between-Subjects Effects

Dependent Variable: MPG

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	1.638(a)	9	.182	11.765	.004
Intercept	736.037	1	736.037	47588.593	.000
Brand	1.307	3	.436	28.169	.001
Day	.263	3	.088	5.668	.035
Truck	.068	3	.023	1.458	.317
Error	.093	6	.015		
Total	737.767	16			
Corrected Total	1.730	15			

(a) R Squared = .946 (Adjusted R Squared = .866)

Multiple Comparisons

Dependent Variable: MPG

	(I) Brand	(J) Brand	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
Tukey HSD	1.00	2.00	-.3775(*)	.08794	.020	-.6819	-.0731
		3.00	-.1675	.08794	.318	-.4719	.1369
		4.00	-.7650(*)	.08794	.001	-1.0694	-.4606
	2.00	1.00	.3775(*)	.08794	.020	.0731	.6819
		3.00	.2100	.08794	.180	-.0944	.5144
		4.00	-.3875(*)	.08794	.018	-.6919	-.0831
	3.00	1.00	.1675	.08794	.318	-.1369	.4719
		2.00	-.2100	.08794	.180	-.5144	.0944
		4.00	-.5975(*)	.08794	.002	-.9019	-.2931
	4.00	1.00	.7650(*)	.08794	.001	.4606	1.0694
		2.00	.3875(*)	.08794	.018	.0831	.6919
		3.00	.5975(*)	.08794	.002	.2931	.9019
LSD	1.00	2.00	-.3775(*)	.08794	.005	-.5927	-.1623
		3.00	-.1675	.08794	.105	-.3827	.0477
		4.00	-.7650(*)	.08794	.000	-.9802	-.5498
	2.00	1.00	.3775(*)	.08794	.005	.1623	.5927
		3.00	.2100	.08794	.054	-.0052	.4252
		4.00	-.3875(*)	.08794	.005	-.6027	-.1723
	3.00	1.00	.1675	.08794	.105	-.0477	.3827
		2.00	-.2100	.08794	.054	-.4252	.0052
		4.00	-.5975(*)	.08794	.000	-.8127	-.3823
	4.00	1.00	.7650(*)	.08794	.000	.5498	.9802
		2.00	.3875(*)	.08794	.005	.1723	.6027
		3.00	.5975(*)	.08794	.000	.3823	.8127

Based on observed means.

(*) The mean difference is significant at the .05 level.