Univariate Analysis of Variance

Warnings

Post hoc tests are not performed for Information because there are fewer than three groups.
Post hoc tests are not performed for Task because there are fewer than three groups.

Between-Subjects Factors

		N
Information	Given	40
	Not Given	40
Task	Book Task	40
	No Task	40

Descriptive Statistics

Dependent Variable: TotalSeatedDuration

Information	Task	Mean	Std. Deviation	N
Given	Book Task	37.19830	24.118855	20
	No Task	69.77735	40.721829	20
	Total	53.48782	36.924625	40
Not Given	Book Task	8.94660	22.366861	20
	No Task	49.16150	50.265608	20
	Total	29.05405	43.466353	40
Total	Book Task	23.07245	27.051472	40
	No Task	59.46943	46.344089	40
	Total	41.27094	41.915754	80

Levene's Test of Equality of Error Variances[a,b]

		Levene Statistic	df1	df2	Sig.
TotalSeatedDuration	Based on Mean	3.407	3	76	.022
	Based on Median	3.654	3	76	.016
	Based on Median and with adjusted df	3.654	3	60.583	.017
	Based on trimmed mean	3.586	3	76	.018

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

    a. Dependent variable: TotalSeatedDuration

    b. Design: Intercept + Information + Task + Information * Task

Tests of Between-Subjects Effects

Dependent Variable: TotalSeatedDuration

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	38726.514[a]	3	12908.838	9.804	.000	.279
Intercept	136263.223	1	136263.223	103.487	.000	.577
Information	11940.187	1	11940.187	9.068	.004	.107
Task	26494.796	1	26494.796	20.122	.000	.209
Information * Task	291.531	1	291.531	.221	.639	.003
Error	100070.993	76	1316.724			
Total	275060.729	80				
Corrected Total	138797.507	79				

Tests of Between-Subjects Effects

Dependent Variable: TotalSeatedDuration

Source	Noncent. Parameter	Observed Power[b]
Corrected Model	29.411	.997
Intercept	103.487	1.000
Information	9.068	.844
Task	20.122	.993
Information * Task	.221	.075
Error		
Total		
Corrected Total		

a. R Squared = .279 (Adjusted R Squared = .251)

b. Computed using alpha = .05

Estimated Marginal Means

1. Grand Mean

Dependent Variable: TotalSeatedDuration

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
41.271	4.057	33.191	49.351

2. Information

Estimates

Dependent Variable: TotalSeatedDuration

Information	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Given	53.488	5.737	42.061	64.915
Not Given	29.054	5.737	17.627	40.481

Pairwise Comparisons

Dependent Variable: TotalSeatedDuration

(I) Information	(J) Information	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b]	
					Lower Bound	Upper Bound
Given	Not Given	24.434*	8.114	.004	8.273	40.594
Not Given	Given	-24.434*	8.114	.004	-40.594	-8.273

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Dependent Variable: TotalSeatedDuration

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	11940.187	1	11940.187	9.068	.004	.107
Error	100070.993	76	1316.724			

Univariate Tests

Dependent Variable: TotalSeatedDuration

	Noncent. Parameter	Observed Power[a]
Contrast	9.068	.844
Error		

The F tests the effect of Information. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Computed using alpha = .05

3. Task

Estimates

Dependent Variable: TotalSeatedDuration

			95% Confidence Interval	
Task	Mean	Std. Error	Lower Bound	Upper Bound
Book Task	23.072	5.737	11.645	34.500
No Task	59.469	5.737	48.042	70.897

Pairwise Comparisons

Dependent Variable: TotalSeatedDuration

(I) Task	(J) Task	Mean Difference (I-J)	Std. Error	Sig.[b]	95% Confidence Interval for Difference[b]	
					Lower Bound	Upper Bound
Book Task	No Task	-36.397*	8.114	.000	-52.557	-20.237
No Task	Book Task	36.397*	8.114	.000	20.237	52.557

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Dependent Variable: TotalSeatedDuration

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	26494.796	1	26494.796	20.122	.000	.209
Error	100070.993	76	1316.724			

Univariate Tests

Dependent Variable: TotalSeatedDuration

	Noncent. Parameter	Observed Power[a]
Contrast	20.122	.993
Error		

The F tests the effect of Task. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Computed using alpha = .05

4. Information * Task

Dependent Variable: TotalSeatedDuration

Information	Task	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Given	Book Task	37.198	8.114	21.038	53.359
	No Task	69.777	8.114	53.617	85.938
Not Given	Book Task	8.947	8.114	-7.214	25.107
	No Task	49.162	8.114	33.001	65.322

Profile Plots

Estimated Marginal Means of TotalSeatedDuration

Estimated Marginal Means of TotalSeatedDuration

Estimated Marginal Means of TotalSeatedDuration