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: TotalDurationInTableCover

Information	Task	Mean	Std. Deviation	N
Given	Book Task	10.37580	13.731107	20
	No Task	14.13020	19.298262	20
	Total	12.25300	16.640477	40
Not Given	Book Task	4.22550	15.802452	20
	No Task	11.38800	18.552988	20
	Total	7.80675	17.392675	40
Total	Book Task	7.30065	14.940237	40
	No Task	12.75910	18.736559	40
	Total	10.02988	17.059982	80

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

		Levene Statistic	df1	df2	Sig.
TotalDurationInTableCover	Based on Mean	2.567	3	76	.061
	Based on Median	1.201	3	76	.315
	Based on Median and with adjusted df	1.201	3	70.375	.316
	Based on trimmed mean	3.241	3	76	.027

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

  a. Dependent variable: TotalDurationInTableCover

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

Tests of Between-Subjects Effects

Dependent Variable: TotalDurationInTableCover

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	1049.352[a]	3	349.784	1.211	.311	.046
Intercept	8047.871	1	8047.871	27.874	.000	.268
Information	395.383	1	395.383	1.369	.246	.018
Task	595.894	1	595.894	2.064	.155	.026
Information * Task	58.076	1	58.076	.201	.655	.003
Error	21943.045	76	288.724			
Total	31040.268	80				
Corrected Total	22992.397	79				

Tests of Between-Subjects Effects

Dependent Variable: TotalDurationInTableCover

Source	Noncent. Parameter	Observed Power[b]
Corrected Model	3.634	.313
Intercept	27.874	.999
Information	1.369	.211
Task	2.064	.294
Information * Task	.201	.073
Error		
Total		
Corrected Total		

a. R Squared = .046 (Adjusted R Squared = .008)

b. Computed using alpha = .05

Estimated Marginal Means

1. Grand Mean

Dependent Variable: TotalDurationInTableCover

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
10.030	1.900	6.246	13.814

2. Information

Estimates

Dependent Variable: TotalDurationInTableCover

Information	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Given	12.253	2.687	6.902	17.604
Not Given	7.807	2.687	2.456	13.158

Pairwise Comparisons

Dependent Variable: TotalDurationInTableCover

(I) Information	(J) Information	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence Interval for Difference[a]	
					Lower Bound	Upper Bound
Given	Not Given	4.446	3.800	.246	-3.121	12.014
Not Given	Given	-4.446	3.800	.246	-12.014	3.121

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Dependent Variable: TotalDurationInTableCover

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	395.383	1	395.383	1.369	.246	.018
Error	21943.045	76	288.724			

Univariate Tests

Dependent Variable: TotalDurationInTableCover

	Noncent. Parameter	Observed Power[a]
Contrast	1.369	.211
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: TotalDurationInTableCover

			95% Confidence Interval	
Task	Mean	Std. Error	Lower Bound	Upper Bound
Book Task	7.301	2.687	1.950	12.652
No Task	12.759	2.687	7.408	18.110

Pairwise Comparisons

Dependent Variable: TotalDurationInTableCover

(I) Task	(J) Task	Mean Difference (I-J)	Std. Error	Sig.[a]	95% Confidence Interval for Difference[a]	
					Lower Bound	Upper Bound
Book Task	No Task	-5.458	3.800	.155	-13.026	2.109
No Task	Book Task	5.458	3.800	.155	-2.109	13.026

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Dependent Variable: TotalDurationInTableCover

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	595.894	1	595.894	2.064	.155	.026
Error	21943.045	76	288.724			

Univariate Tests

Dependent Variable: TotalDurationInTableCover

	Noncent. Parameter	Observed Power[a]
Contrast	2.064	.294
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: TotalDurationInTableCover

Information	Task	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Given	Book Task	10.376	3.800	2.808	17.943
	No Task	14.130	3.800	6.563	21.698
Not Given	Book Task	4.226	3.800	-3.342	11.793
	No Task	11.388	3.800	3.821	18.955

Profile Plots

Estimated Marginal Means of TotalDurationInTableCover

Information

Estimated Marginal Means of TotalDurationInTableCover

Task

Estimated Marginal Means of TotalDurationInTableCover