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: AverageDurationInTableCover

Information	Task	Mean	Std. Deviation	N
Given	Book Task	6.080008333	10.46993390	20
	No Task	10.82712500	16.55658999	20
	Total	8.453566667	13.88267204	40
Not Given	Book Task	1.652566667	5.288296313	20
	No Task	8.404510000	15.04132855	20
	Total	5.028538333	11.64191432	40
Total	Book Task	3.866287500	8.488527218	40
	No Task	9.615817500	15.66113361	40
	Total	6.741052500	12.84615084	80

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

		Levene Statistic	df1	df2	Sig.
AverageDurationInTableCover	Based on Mean	5.393	3	76	.002
	Based on Median	1.914	3	76	.134
	Based on Median and with adjusted df	1.914	3	55.805	.138
	Based on trimmed mean	4.612	3	76	.005

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

    a. Dependent variable: AverageDurationInTableCover

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

Tests of Between-Subjects Effects

Dependent Variable: AverageDurationInTableCover

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	915.855[a]	3	305.285	1.914	.134	.070
Intercept	3635.343	1	3635.343	22.794	.000	.231
Information	234.616	1	234.616	1.471	.229	.019
Task	661.142	1	661.142	4.145	.045	.052
Information * Task	20.097	1	20.097	.126	.724	.002
Error	12121.009	76	159.487			
Total	16672.207	80				
Corrected Total	13036.864	79				

Tests of Between-Subjects Effects

Dependent Variable: AverageDurationInTableCover

Source	Noncent. Parameter	Observed Power[b]
Corrected Model	5.743	.477
Intercept	22.794	.997
Information	1.471	.224
Task	4.145	.520
Information * Task	.126	.064
Error		
Total		
Corrected Total		

a. R Squared = .070 (Adjusted R Squared = .034)

b. Computed using alpha = .05

Estimated Marginal Means

1. Grand Mean

Dependent Variable: AverageDurationInTableCover

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
6.741	1.412	3.929	9.553

2. Information

Estimates

Dependent Variable: AverageDurationInTableCover

Information	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Given	8.454	1.997	4.477	12.431
Not Given	5.029	1.997	1.052	9.005

Pairwise Comparisons

Dependent Variable: AverageDurationInTableCover

(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	3.425	2.824	.229	-2.199	9.049
Not Given	Given	-3.425	2.824	.229	-9.049	2.199

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Dependent Variable: AverageDurationInTableCover

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	234.616	1	234.616	1.471	.229	.019
Error	12121.009	76	159.487			

Univariate Tests

Dependent Variable: AverageDurationInTableCover

	Noncent. Parameter	Observed Power[a]
Contrast	1.471	.224
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: AverageDurationInTableCover

Task	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Book Task	3.866	1.997	-.111	7.843
No Task	9.616	1.997	5.639	13.593

Pairwise Comparisons

Dependent Variable: AverageDurationInTableCover

(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	-5.750*	2.824	.045	-11.374	-.125
No Task	Book Task	5.750*	2.824	.045	.125	11.374

Based on estimated marginal means

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

    b. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Dependent Variable: AverageDurationInTableCover

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	661.142	1	661.142	4.145	.045	.052
Error	12121.009	76	159.487			

Univariate Tests

Dependent Variable: AverageDurationInTableCover

	Noncent. Parameter	Observed Power[a]
Contrast	4.145	.520
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: AverageDurationInTableCover

Information	Task	Mean	Std. Error	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
Given	Book Task	6.080	2.824	.456	11.704
	No Task	10.827	2.824	5.203	16.451
Not Given	Book Task	1.653	2.824	-3.972	7.277
	No Task	8.405	2.824	2.780	14.029

Profile Plots

Estimated Marginal Means of AverageDurationInTableCover

Estimated Marginal Means

9.0000000000000000
8.0000000000000000
7.0000000000000000
6.0000000000000000
5.0000000000000000

Given — Not Given

Information

Estimated Marginal Means of AverageDurationInTableCover

Estimated Marginal Means

10.0000000000000000
9.0000000000000000
8.0000000000000000
7.0000000000000000
6.0000000000000000
5.0000000000000000
4.0000000000000000

Book Task — No Task

Task

Estimated Marginal Means of AverageDurationInTableCover

Estimated Marginal Means (y-axis)

y-axis values: 12.00000000000000, 10.00000000000000, 8.00000000000000, 4.00000000000000, 2.00000000000000

x-axis: Given, Not Given

Information

Task
— Book Task
— No Task