

## 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: AverageSeatedDuration

Information	Task	Mean	Std. Deviation	N
Given	Book Task	3.949393319	3.119985882	20
	No Task	9.175016751	5.409658322	20
	Total	6.562205035	5.099137656	40
Not Given	Book Task	1.067110714	2.391068773	20
	No Task	5.906898194	7.354131217	20
	Total	3.487004454	5.927865723	40
Total	Book Task	2.508252017	3.107701121	40
	No Task	7.540957473	6.583606918	40
	Total	5.024604745	5.707676654	80

### Levene's Test of Equality of Error Variances<sup>a,b</sup>

		Levene Statistic	df1	df2	Sig.
AverageSeatedDuration	Based on Mean	3.258	3	76	.026
	Based on Median	2.689	3	76	.052
	Based on Median and with adjusted df	2.689	3	45.004	.058
	Based on trimmed mean	3.175	3	76	.029

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

a. Dependent variable: AverageSeatedDuration

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

### Tests of Between-Subjects Effects

Dependent Variable: AverageSeatedDuration

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	696.444 <sup>a</sup>	3	232.148	9.399	.000	.271
Intercept	2019.732	1	2019.732	81.771	.000	.518
Information	189.137	1	189.137	7.657	.007	.092
Task	506.562	1	506.562	20.509	.000	.213
Information * Task	.744	1	.744	.030	.863	.000
Error	1877.184	76	24.700			
Total	4593.360	80				
Corrected Total	2573.628	79				

### Tests of Between-Subjects Effects

Dependent Variable: AverageSeatedDuration

Source	Noncent. Parameter	Observed Power <sup>b</sup>
Corrected Model	28.196	.996
Intercept	81.771	1.000
Information	7.657	.780
Task	20.509	.994
Information * Task	.030	.053
Error		
Total		
Corrected Total		

a. R Squared = .271 (Adjusted R Squared = .242)

b. Computed using alpha = .05

## Estimated Marginal Means

### 1. Grand Mean

Dependent Variable: AverageSeatedDuration

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
5.025	.556	3.918	6.131

## 2. Information

### Estimates

Dependent Variable: AverageSeatedDuration

Information	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Given	6.562	.786	4.997	8.127
Not Given	3.487	.786	1.922	5.052

### Pairwise Comparisons

Dependent Variable: AverageSeatedDuration

(I) Information	(J) Information	Mean Difference (I-J)	Std. Error	Sig. <sup>b</sup>	95% Confidence Interval for Difference <sup>b</sup>	
					Lower Bound	Upper Bound
Given	Not Given	3.075 <sup>*</sup>	1.111	.007	.862	5.289
Not Given	Given	-3.075 <sup>*</sup>	1.111	.007	-5.289	-.862

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Bonferroni.

### Univariate Tests

Dependent Variable: AverageSeatedDuration

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	189.137	1	189.137	7.657	.007	.092
Error	1877.184	76	24.700			

### Univariate Tests

Dependent Variable: AverageSeatedDuration

	Noncent. Parameter	Observed Power <sup>a</sup>
Contrast	7.657	.780
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: AverageSeatedDuration

Task	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Book Task	2.508	.786	.943	4.073
No Task	7.541	.786	5.976	9.106

### Pairwise Comparisons

Dependent Variable: AverageSeatedDuration

(I) Task	(J) Task	Mean Difference (I-J)	Std. Error	Sig. <sup>b</sup>	95% Confidence Interval for Difference <sup>b</sup>	
					Lower Bound	Upper Bound
Book Task	No Task	-5.033 <sup>*</sup>	1.111	.000	-7.246	-2.819
No Task	Book Task	5.033 <sup>*</sup>	1.111	.000	2.819	7.246

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Bonferroni.

### Univariate Tests

Dependent Variable: AverageSeatedDuration

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	506.562	1	506.562	20.509	.000	.213
Error	1877.184	76	24.700			

### Univariate Tests

Dependent Variable: AverageSeatedDuration

	Noncent. Parameter	Observed Power <sup>a</sup>
Contrast	20.509	.994
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: AverageSeatedDuration

Information	Task	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Given	Book Task	3.949	1.111	1.736	6.163
	No Task	9.175	1.111	6.962	11.388
Not Given	Book Task	1.067	1.111	-1.146	3.280
	No Task	5.907	1.111	3.694	8.120

### Profile Plots



