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: TotalTimeNearCorner

Information	Task	Mean	Std. Deviation	N
Given	Book Task	.30205	1.350809	20
	No Task	5.36955	11.971896	20
	Total	2.83580	8.791989	40
Not Given	Book Task	.11965	.517025	20
	No Task	.06945	.222527	20
	Total	.09455	.393701	40
Total	Book Task	.21085	1.013760	40
	No Task	2.71950	8.777960	40
	Total	1.46518	6.335552	80

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

		Levene Statistic	df1	df2	Sig.
TotalTimeNearCorner	Based on Mean	12.626	3	76	.000
	Based on Median	3.731	3	76	.015
	Based on Median and with adjusted df	3.731	3	19.569	.028
	Based on trimmed mean	8.045	3	76	.000

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

    a. Dependent variable: TotalTimeNearCorner

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

Tests of Between-Subjects Effects

Dependent Variable: TotalTimeNearCorner

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	407.110[a]	3	135.703	3.731	.015	.128
Intercept	171.739	1	171.739	4.722	.033	.059
Information	150.289	1	150.289	4.133	.046	.052
Task	125.866	1	125.866	3.461	.067	.044
Information * Task	130.954	1	130.954	3.601	.062	.045
Error	2763.888	76	36.367			
Total	3342.737	80				
Corrected Total	3170.998	79				

Tests of Between-Subjects Effects

Dependent Variable: TotalTimeNearCorner

Source	Noncent. Parameter	Observed Power[b]
Corrected Model	11.194	.789
Intercept	4.722	.574
Information	4.133	.519
Task	3.461	.451
Information * Task	3.601	.466
Error		
Total		
Corrected Total		

a. R Squared = .128 (Adjusted R Squared = .094)

b. Computed using alpha = .05

Estimated Marginal Means

1. Grand Mean

Dependent Variable: TotalTimeNearCorner

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
1.465	.674	.122	2.808

2. Information

Estimates

Dependent Variable: TotalTimeNearCorner

Information	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Given	2.836	.954	.937	4.735
Not Given	.095	.954	-1.805	1.994

Pairwise Comparisons

Dependent Variable: TotalTimeNearCorner

(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	2.741*	1.348	.046	.056	5.427
Not Given	Given	-2.741*	1.348	.046	-5.427	-.056

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Dependent Variable: TotalTimeNearCorner

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	150.289	1	150.289	4.133	.046	.052
Error	2763.888	76	36.367			

Univariate Tests

Dependent Variable: TotalTimeNearCorner

	Noncent. Parameter	Observed Power[a]
Contrast	4.133	.519
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: TotalTimeNearCorner

			95% Confidence Interval	
Task	Mean	Std. Error	Lower Bound	Upper Bound
Book Task	.211	.954	-1.688	2.110
No Task	2.720	.954	.820	4.619

Pairwise Comparisons

Dependent Variable: TotalTimeNearCorner

(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	-2.509	1.348	.067	-5.194	.177
No Task	Book Task	2.509	1.348	.067	-.177	5.194

Based on estimated marginal means

   a. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Dependent Variable: TotalTimeNearCorner

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	125.866	1	125.866	3.461	.067	.044
Error	2763.888	76	36.367			

Univariate Tests

Dependent Variable: TotalTimeNearCorner

	Noncent. Parameter	Observed Power[a]
Contrast	3.461	.451
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: TotalTimeNearCorner

Information	Task	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Given	Book Task	.302	1.348	-2.384	2.988
	No Task	5.370	1.348	2.684	8.055
Not Given	Book Task	.120	1.348	-2.566	2.805
	No Task	.069	1.348	-2.616	2.755

Profile Plots

Estimated Marginal Means of TotalTimeNearCorner

Estimated Marginal Means of TotalTimeNearCorner

Estimated Marginal Means of TotalTimeNearCorner