

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: CoverAttempts

Information	Task	Mean	Std. Deviation	N
Given	Book Task	1.35	1.424	20
	No Task	.95	.759	20
	Total	1.15	1.145	40
Not Given	Book Task	.40	.821	20
	No Task	1.00	1.214	20
	Total	.70	1.067	40
Total	Book Task	.88	1.244	40
	No Task	.98	1.000	40
	Total	.93	1.123	80

Levene's Test of Equality of Error Variances^{a,b}

		Levene Statistic	df1	df2	Sig.
CoverAttempts	Based on Mean	4.009	3	76	.011
	Based on Median	3.440	3	76	.021
	Based on Median and with adjusted df	3.440	3	67.929	.022
	Based on trimmed mean	4.017	3	76	.010

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

a. Dependent variable: CoverAttempts

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

Tests of Between-Subjects Effects

Dependent Variable: CoverAttempts

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	9.250 ^a	3	3.083	2.595	.059	.093
Intercept	68.450	1	68.450	57.610	.000	.431
Information	4.050	1	4.050	3.409	.069	.043
Task	.200	1	.200	.168	.683	.002
Information * Task	5.000	1	5.000	4.208	.044	.052
Error	90.300	76	1.188			
Total	168.000	80				
Corrected Total	99.550	79				

Tests of Between-Subjects Effects

Dependent Variable: CoverAttempts

Source	Noncent. Parameter	Observed Power ^b
Corrected Model	7.785	.616
Intercept	57.610	1.000
Information	3.409	.446
Task	.168	.069
Information * Task	4.208	.526
Error		
Total		
Corrected Total		

a. R Squared = .093 (Adjusted R Squared = .057)

b. Computed using alpha = .05

Estimated Marginal Means

1. Grand Mean

Dependent Variable: CoverAttempts

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
.925	.122	.682	1.168

2. Information

Estimates

Dependent Variable: CoverAttempts

Information	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Given	1.150	.172	.807	1.493
Not Given	.700	.172	.357	1.043

Pairwise Comparisons

Dependent Variable: CoverAttempts

(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	.450	.244	.069	-.035	.935
Not Given	Given	-.450	.244	.069	-.935	.035

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Dependent Variable: CoverAttempts

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	4.050	1	4.050	3.409	.069	.043
Error	90.300	76	1.188			

Univariate Tests

Dependent Variable: CoverAttempts

	Noncent. Parameter	Observed Power ^a
Contrast	3.409	.446
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: CoverAttempts

Task	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Book Task	.875	.172	.532	1.218
No Task	.975	.172	.632	1.318

Pairwise Comparisons

Dependent Variable: CoverAttempts

(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	-.100	.244	.683	-.585	.385
No Task	Book Task	.100	.244	.683	-.385	.585

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Dependent Variable: CoverAttempts

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	.200	1	.200	.168	.683	.002
Error	90.300	76	1.188			

Univariate Tests

Dependent Variable: CoverAttempts

	Noncent. Parameter	Observed Power ^a
Contrast	.168	.069
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: CoverAttempts

Information	Task	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Given	Book Task	1.350	.244	.865	1.835
	No Task	.950	.244	.465	1.435
Not Given	Book Task	.400	.244	-.085	.885
	No Task	1.000	.244	.515	1.485

Profile Plots



