

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: SittingTransitions

Information	Task	Mean	Std. Deviation	N
Given	Book Task	10.55	7.584	20
	No Task	9.20	4.526	20
	Total	9.88	6.203	40
Not Given	Book Task	2.75	4.734	20
	No Task	10.30	16.474	20
	Total	6.53	12.560	40
Total	Book Task	6.65	7.385	40
	No Task	9.75	11.937	40
	Total	8.20	9.985	80

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

		Levene Statistic	df1	df2	Sig.
SittingTransitions	Based on Mean	3.352	3	76	.023
	Based on Median	2.044	3	76	.115
	Based on Median and with adjusted df	2.044	3	29.475	.129
	Based on trimmed mean	2.457	3	76	.069

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

a. Dependent variable: SittingTransitions

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

Tests of Between-Subjects Effects

Dependent Variable: SittingTransitions

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	812.700 ^a	3	270.900	2.915	.040	.103
Intercept	5379.200	1	5379.200	57.873	.000	.432
Information	224.450	1	224.450	2.415	.124	.031
Task	192.200	1	192.200	2.068	.155	.026
Information * Task	396.050	1	396.050	4.261	.042	.053
Error	7064.100	76	92.949			
Total	13256.000	80				
Corrected Total	7876.800	79				

Tests of Between-Subjects Effects

Dependent Variable: SittingTransitions

Source	Noncent. Parameter	Observed Power ^b
Corrected Model	8.744	.672
Intercept	57.873	1.000
Information	2.415	.335
Task	2.068	.295
Information * Task	4.261	.531
Error		
Total		
Corrected Total		

a. R Squared = .103 (Adjusted R Squared = .068)

b. Computed using alpha = .05

Estimated Marginal Means

1. Grand Mean

Dependent Variable: SittingTransitions

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
8.200	1.078	6.053	10.347

2. Information

Estimates

Dependent Variable: SittingTransitions

Information	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Given	9.875	1.524	6.839	12.911
Not Given	6.525	1.524	3.489	9.561

Pairwise Comparisons

Dependent Variable: SittingTransitions

(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	3.350	2.156	.124	-.944	7.644
Not Given	Given	-3.350	2.156	.124	-7.644	.944

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Dependent Variable: SittingTransitions

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	224.450	1	224.450	2.415	.124	.031
Error	7064.100	76	92.949			

Univariate Tests

Dependent Variable: SittingTransitions

	Noncent. Parameter	Observed Power ^a
Contrast	2.415	.335
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: SittingTransitions

Task	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Book Task	6.650	1.524	3.614	9.686
No Task	9.750	1.524	6.714	12.786

Pairwise Comparisons

Dependent Variable: SittingTransitions

(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	-3.100	2.156	.155	-7.394	1.194
No Task	Book Task	3.100	2.156	.155	-1.194	7.394

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Dependent Variable: SittingTransitions

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	192.200	1	192.200	2.068	.155	.026
Error	7064.100	76	92.949			

Univariate Tests

Dependent Variable: SittingTransitions

	Noncent. Parameter	Observed Power ^a
Contrast	2.068	.295
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: SittingTransitions

Information	Task	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Given	Book Task	10.550	2.156	6.256	14.844
	No Task	9.200	2.156	4.906	13.494
Not Given	Book Task	2.750	2.156	-1.544	7.044
	No Task	10.300	2.156	6.006	14.594

Profile Plots



