

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: TotalTimeNearWall

Information	Task	Mean	Std. Deviation	N
Given	Book Task	19.23590	18.788237	20
	No Task	47.56910	40.976505	20
	Total	33.40250	34.580662	40
Not Given	Book Task	15.57130	30.995128	20
	No Task	20.84305	31.858233	20
	Total	18.20718	31.138717	40
Total	Book Task	17.40360	25.366298	40
	No Task	34.20608	38.673258	40
	Total	25.80484	33.577832	80

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

		Levene Statistic	df1	df2	Sig.
TotalTimeNearWall	Based on Mean	3.779	3	76	.014
	Based on Median	2.988	3	76	.036
	Based on Median and with adjusted df	2.988	3	60.054	.038
	Based on trimmed mean	3.745	3	76	.014

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

a. Dependent variable: TotalTimeNearWall

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

Tests of Between-Subjects Effects

Dependent Variable: TotalTimeNearWall

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	12923.574 ^a	3	4307.858	4.300	.007	.145
Intercept	53271.171	1	53271.171	53.169	.000	.412
Information	4617.958	1	4617.958	4.609	.035	.057
Task	5646.463	1	5646.463	5.636	.020	.069
Information * Task	2659.152	1	2659.152	2.654	.107	.034
Error	76146.618	76	1001.929			
Total	142341.363	80				
Corrected Total	89070.192	79				

Tests of Between-Subjects Effects

Dependent Variable: TotalTimeNearWall

Source	Noncent. Parameter	Observed Power ^b
Corrected Model	12.899	.848
Intercept	53.169	1.000
Information	4.609	.563
Task	5.636	.649
Information * Task	2.654	.363
Error		
Total		
Corrected Total		

a. R Squared = .145 (Adjusted R Squared = .111)

b. Computed using alpha = .05

Estimated Marginal Means

1. Grand Mean

Dependent Variable: TotalTimeNearWall

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
25.805	3.539	18.756	32.853

2. Information

Estimates

Dependent Variable: TotalTimeNearWall

Information	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Given	33.402	5.005	23.435	43.370
Not Given	18.207	5.005	8.239	28.175

Pairwise Comparisons

Dependent Variable: TotalTimeNearWall

(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	15.195 [*]	7.078	.035	1.098	29.292
Not Given	Given	-15.195 [*]	7.078	.035	-29.292	-1.098

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Dependent Variable: TotalTimeNearWall

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	4617.958	1	4617.958	4.609	.035	.057
Error	76146.618	76	1001.929			

Univariate Tests

Dependent Variable: TotalTimeNearWall

	Noncent. Parameter	Observed Power ^a
Contrast	4.609	.563
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: TotalTimeNearWall

Task	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Book Task	17.404	5.005	7.436	27.372
No Task	34.206	5.005	24.238	44.174

Pairwise Comparisons

Dependent Variable: TotalTimeNearWall

(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	-16.802 [*]	7.078	.020	-30.899	-2.706
No Task	Book Task	16.802 [*]	7.078	.020	2.706	30.899

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Dependent Variable: TotalTimeNearWall

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	5646.463	1	5646.463	5.636	.020	.069
Error	76146.618	76	1001.929			

Univariate Tests

Dependent Variable: TotalTimeNearWall

	Noncent. Parameter	Observed Power ^a
Contrast	5.636	.649
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: TotalTimeNearWall

Information	Task	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Given	Book Task	19.236	7.078	5.139	33.333
	No Task	47.569	7.078	33.472	61.666
Not Given	Book Task	15.571	7.078	1.474	29.668
	No Task	20.843	7.078	6.746	34.940

Profile Plots



