

Items Picked

[DataSet1] D:\Acads\mtp\Data_Analsysis\Anova analysis\Complete Data.sav

Warnings

Post hoc tests are not performed for Task because there are fewer than three groups.

Post hoc tests are not performed for Information because there are fewer than three groups.

Within-Subjects Factors

Measure: MEASURE_1

Time	Dependent Variable
1	ItemsPickedBeforeEarthquake
2	ItemsPickedDuringEarthquake
3	ItemsPickedAfterEarthquake

Between-Subjects Factors

N		
Task	Book Task	40
	No Task	34
Information	Given	38
	Not Given	36

Descriptive Statistics

	Task	Information	Mean	Std. Deviation	N
ItemsPickedBeforeEarthquake	Book Task	Given	4.50	2.090	20
		Not Given	4.80	2.191	20
		Total	4.65	2.119	40
	No Task	Given	4.78	3.021	18
		Not Given	4.56	3.010	16
		Total	4.68	2.972	34
	Total	Given	4.63	2.541	38
		Not Given	4.69	2.550	36
		Total	4.66	2.528	74
ItemsPickedDuringEarthquake	Book Task	Given	2.55	3.236	20
		Not Given	4.10	2.713	20
		Total	3.33	3.050	40
	No Task	Given	1.50	2.093	18
		Not Given	2.50	2.683	16
		Total	1.97	2.406	34
	Total	Given	2.05	2.770	38
		Not Given	3.39	2.780	36
		Total	2.70	2.837	74
ItemsPickedAfterEarthquake	Book Task	Given	6.65	2.601	20
		Not Given	6.20	4.697	20
		Total	6.43	3.755	40
	No Task	Given	9.72	8.358	18
		Not Given	7.69	4.840	16
		Total	8.76	6.907	34
	Total	Given	8.11	6.163	38
		Not Given	6.86	4.752	36
		Total	7.50	5.520	74

Box's Test of Equality of Covariance Matrices^a

Box's M	45.320
F	2.318
df1	18
df2	16056.615
Sig.	.001

Tests the null hypothesis that the observed covariance matrices of the dependent variables are equal across groups.

a. Design: Intercept + Task + Information + Task * Information
Within Subjects Design: Time

Multivariate Tests^a

Effect		Value	F	Hypothesis df	Error df
Time	Pillai's Trace	.454	28.721 ^b	2.000	69.000
	Wilks' Lambda	.546	28.721 ^b	2.000	69.000
	Hotelling's Trace	.832	28.721 ^b	2.000	69.000
	Roy's Largest Root	.832	28.721 ^b	2.000	69.000
Time * Task	Pillai's Trace	.099	3.783 ^b	2.000	69.000
	Wilks' Lambda	.901	3.783 ^b	2.000	69.000
	Hotelling's Trace	.110	3.783 ^b	2.000	69.000
	Roy's Largest Root	.110	3.783 ^b	2.000	69.000
Time * Information	Pillai's Trace	.057	2.081 ^b	2.000	69.000
	Wilks' Lambda	.943	2.081 ^b	2.000	69.000
	Hotelling's Trace	.060	2.081 ^b	2.000	69.000
	Roy's Largest Root	.060	2.081 ^b	2.000	69.000
Time * Task * Information	Pillai's Trace	.003	.110 ^b	2.000	69.000
	Wilks' Lambda	.997	.110 ^b	2.000	69.000
	Hotelling's Trace	.003	.110 ^b	2.000	69.000
	Roy's Largest Root	.003	.110 ^b	2.000	69.000

Multivariate Tests^a

Effect		Sig.	Partial Eta Squared	Noncent. Parameter
Time	Pillai's Trace	.000	.454	57.442
	Wilks' Lambda	.000	.454	57.442
	Hotelling's Trace	.000	.454	57.442
	Roy's Largest Root	.000	.454	57.442
Time * Task	Pillai's Trace	.028	.099	7.565
	Wilks' Lambda	.028	.099	7.565
	Hotelling's Trace	.028	.099	7.565
	Roy's Largest Root	.028	.099	7.565
Time * Information	Pillai's Trace	.133	.057	4.162
	Wilks' Lambda	.133	.057	4.162
	Hotelling's Trace	.133	.057	4.162
	Roy's Largest Root	.133	.057	4.162
Time * Task * Information	Pillai's Trace	.896	.003	.220
	Wilks' Lambda	.896	.003	.220
	Hotelling's Trace	.896	.003	.220
	Roy's Largest Root	.896	.003	.220

Multivariate Tests^a

Effect		Observed Power ^c
Time	Pillai's Trace	1.000
	Wilks' Lambda	1.000
	Hotelling's Trace	1.000
	Roy's Largest Root	1.000
Time * Task	Pillai's Trace	.671
	Wilks' Lambda	.671
	Hotelling's Trace	.671
	Roy's Largest Root	.671
Time * Information	Pillai's Trace	.414
	Wilks' Lambda	.414
	Hotelling's Trace	.414
	Roy's Largest Root	.414
Time * Task * Information	Pillai's Trace	.066
	Wilks' Lambda	.066
	Hotelling's Trace	.066
	Roy's Largest Root	.066

a. Design: Intercept + Task + Information + Task * Information
 Within Subjects Design: Time

b. Exact statistic

c. Computed using alpha = .05

Mauchly's Test of Sphericity^a

Measure: MEASURE_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon ^b Greenhouse- Geisser
Time	.679	26.691	2	.000	.757

Mauchly's Test of Sphericity^a

Measure: MEASURE_1

Within Subjects Effect	Huynh-Feldt	Lower-bound	Epsilon ^b
Time	.803	.500	

Tests the null hypothesis that the error covariance matrix of the orthonormalized transformed dependent variables is proportional to an identity matrix.

- a. Design: Intercept + Task + Information + Task * Information
Within Subjects Design: Time
- b. May be used to adjust the degrees of freedom for the averaged tests of significance. Corrected tests are displayed in the Tests of Within-Subjects Effects table.

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F
Time	Sphericity Assumed	891.817	2	445.909	40.617
	Greenhouse-Geisser	891.817	1.514	588.953	40.617
	Huynh-Feldt	891.817	1.607	554.972	40.617
	Lower-bound	891.817	1.000	891.817	40.617
Time * Task	Sphericity Assumed	121.747	2	60.874	5.545
	Greenhouse-Geisser	121.747	1.514	80.402	5.545
	Huynh-Feldt	121.747	1.607	75.763	5.545
	Lower-bound	121.747	1.000	121.747	5.545
Time * Information	Sphericity Assumed	58.132	2	29.066	2.648
	Greenhouse-Geisser	58.132	1.514	38.390	2.648
	Huynh-Feldt	58.132	1.607	36.175	2.648
	Lower-bound	58.132	1.000	58.132	2.648
Time * Task * Information	Sphericity Assumed	3.387	2	1.693	.154
	Greenhouse-Geisser	3.387	1.514	2.237	.154
	Huynh-Feldt	3.387	1.607	2.108	.154
	Lower-bound	3.387	1.000	3.387	.154
Error(Time)	Sphericity Assumed	1536.964	140	10.978	
	Greenhouse-Geisser	1536.964	105.997	14.500	
	Huynh-Feldt	1536.964	112.487	13.663	
	Lower-bound	1536.964	70.000	21.957	

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Sig.	Partial Eta Squared	Noncent. Parameter
Time	Sphericity Assumed	.000	.367	81.234
	Greenhouse-Geisser	.000	.367	61.504
	Huynh-Feldt	.000	.367	65.270
	Lower-bound	.000	.367	40.617
Time * Task	Sphericity Assumed	.005	.073	11.090
	Greenhouse-Geisser	.010	.073	8.396
	Huynh-Feldt	.009	.073	8.910
	Lower-bound	.021	.073	5.545
Time * Information	Sphericity Assumed	.074	.036	5.295
	Greenhouse-Geisser	.090	.036	4.009
	Huynh-Feldt	.087	.036	4.255
	Lower-bound	.108	.036	2.648
Time * Task * Information	Sphericity Assumed	.857	.002	.309
	Greenhouse-Geisser	.797	.002	.234
	Huynh-Feldt	.811	.002	.248
	Lower-bound	.696	.002	.154
Error(Time)	Sphericity Assumed			
	Greenhouse-Geisser			
	Huynh-Feldt			
	Lower-bound			

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Observed Power ^a
Time	Sphericity Assumed	1.000
	Greenhouse-Geisser	1.000
	Huynh-Feldt	1.000
	Lower-bound	1.000
Time * Task	Sphericity Assumed	.848
	Greenhouse-Geisser	.767
	Huynh-Feldt	.785
	Lower-bound	.641
Time * Information	Sphericity Assumed	.519
	Greenhouse-Geisser	.447
	Huynh-Feldt	.462
	Lower-bound	.361
Time * Task * Information	Sphericity Assumed	.073
	Greenhouse-Geisser	.071
	Huynh-Feldt	.071
	Lower-bound	.067
Error(Time)	Sphericity Assumed	
	Greenhouse-Geisser	
	Huynh-Feldt	
	Lower-bound	

a. Computed using alpha = .05

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Time	Type III Sum of Squares	df	Mean Square	F
Time	Linear	309.580	1	309.580	26.299
	Quadratic	582.237	1	582.237	57.167
Time * Task	Linear	46.835	1	46.835	3.979
	Quadratic	74.912	1	74.912	7.355
Time * Information	Linear	15.138	1	15.138	1.286
	Quadratic	42.994	1	42.994	4.221
Time * Task * Information	Linear	2.623	1	2.623	.223
	Quadratic	.764	1	.764	.075
Error(Time)	Linear	824.022	70	11.772	
	Quadratic	712.942	70	10.185	

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Time	Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power ^a
Time	Linear	.000	.273	26.299	.999
	Quadratic	.000	.450	57.167	1.000
Time * Task	Linear	.050	.054	3.979	.503
	Quadratic	.008	.095	7.355	.763
Time * Information	Linear	.261	.018	1.286	.201
	Quadratic	.044	.057	4.221	.526
Time * Task * Information	Linear	.638	.003	.223	.075
	Quadratic	.785	.001	.075	.058
Error(Time)	Linear				
	Quadratic				

a. Computed using alpha = .05

Levene's Test of Equality of Error Variances^a

		Levene Statistic	df1	df2	Sig.
ItemsPickedBeforeEarthquake	Based on Mean	1.491	3	70	.224
	Based on Median	.874	3	70	.459
	Based on Median and with adjusted df	.874	3	54.957	.460
	Based on trimmed mean	1.458	3	70	.234
ItemsPickedDuringEarthquake	Based on Mean	.806	3	70	.495
	Based on Median	.604	3	70	.614
	Based on Median and with adjusted df	.604	3	63.442	.615
	Based on trimmed mean	.738	3	70	.533
ItemsPickedAfterEarthquake	Based on Mean	4.152	3	70	.009
	Based on Median	2.639	3	70	.056
	Based on Median and with adjusted df	2.639	3	41.024	.062
	Based on trimmed mean	3.747	3	70	.015

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

- a. Design: Intercept + Task + Information + Task * Information
 Within Subjects Design: Time

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Intercept	5420.946	1	5420.946	246.995	.000	.779
Task	5.813	1	5.813	.265	.608	.004
Information	.034	1	.034	.002	.969	.000
Task * Information	10.735	1	10.735	.489	.487	.007
Error	1536.333	70	21.948			

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power ^a
Intercept	246.995	1.000
Task	.265	.080
Information	.002	.050
Task * Information	.489	.106
Error		

a. Computed using alpha = .05

Estimated Marginal Means

1. Grand Mean

Measure: MEASURE_1

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
4.963	.316	4.333	5.592

2. Task

Estimates

Measure: MEASURE_1

Task	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Book Task	4.800	.428	3.947	5.653
No Task	5.125	.465	4.198	6.052

Pairwise Comparisons

Measure: MEASURE_1

(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	-.325	.632	.608	-1.585	.935
No Task	Book Task	.325	.632	.608	-.935	1.585

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: MEASURE_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	1.938	1	1.938	.265	.608	.004
Error	512.111	70	7.316			

Univariate Tests

Measure: MEASURE_1

	Noncent. Parameter	Observed Power ^a
Contrast	.265	.080
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

3. Information

Estimates

Measure: MEASURE_1

Information	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Given	4.950	.439	4.074	5.826
Not Given	4.975	.454	4.070	5.880

Pairwise Comparisons

Measure: MEASURE_1

(I) Information	(J) Information	Mean Difference (I-J)	95% Confidence Interval for Difference ^a		
			Std. Error	Sig. ^a	Lower Bound
Given	Not Given	-.025	.632	.969	-1.285
Not Given	Given	.025	.632	.969	1.285

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: MEASURE_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	.011	1	.011	.002	.969	.000
Error	512.111	70	7.316			

Univariate Tests

Measure: MEASURE_1

	Noncent. Parameter	Observed Power ^a
Contrast	.002	.050
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

4. Time

Estimates

Measure: MEASURE_1

Time	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	4.660	.301	4.060	5.260
2	2.663	.319	2.027	3.298
3	7.565	.637	6.294	8.836

Pairwise Comparisons

Measure: MEASURE_1

(I) Time	(J) Time	Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence Interval for Difference ^b	
					Lower Bound	Upper Bound
1	2	1.998*	.378	.000	1.071	2.925
	3	-2.905*	.566	.000	-4.294	-1.515
2	1	-1.998*	.378	.000	-2.925	-1.071
	3	-4.902*	.659	.000	-6.518	-3.287
3	1	2.905*	.566	.000	1.515	4.294
	2	4.902*	.659	.000	3.287	6.518

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.454	28.721 ^a	2.000	69.000	.000	.454
Wilks' lambda	.546	28.721 ^a	2.000	69.000	.000	.454
Hotelling's trace	.832	28.721 ^a	2.000	69.000	.000	.454
Roy's largest root	.832	28.721 ^a	2.000	69.000	.000	.454

Multivariate Tests

	Noncent. Parameter	Observed Power ^b
Pillai's trace	57.442	1.000
Wilks' lambda	57.442	1.000
Hotelling's trace	57.442	1.000
Roy's largest root	57.442	1.000

Each F tests the multivariate effect of Time. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

b. Computed using alpha = .05

5. Task * Information

Measure: MEASURE_1

Task	Information	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Book Task	Given	4.567	.605	3.360	5.773
	Not Given	5.033	.605	3.827	6.240
No Task	Given	5.333	.638	4.062	6.605
	Not Given	4.917	.676	3.568	6.265

6. Task * Time

Measure: MEASURE_1

Task	Time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Book Task	1	4.650	.408	3.837	5.463
	2	3.325	.431	2.464	4.186
	3	6.425	.863	4.703	8.147
No Task	1	4.670	.443	3.787	5.553
	2	2.000	.469	1.065	2.935
	3	8.705	.938	6.834	10.576

7. Information * Time

Measure: MEASURE_1

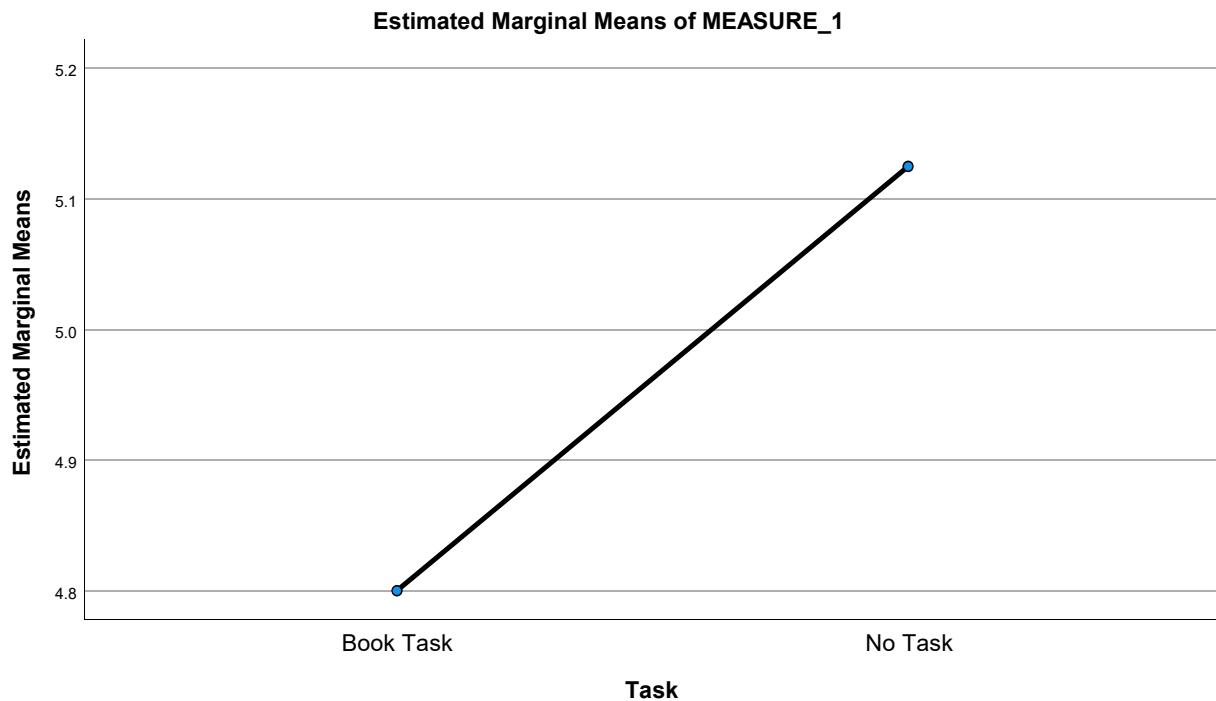
Information	Time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Given	1	4.639	.419	3.804	5.474
	2	2.025	.443	1.141	2.909
	3	8.186	.887	6.417	9.955
Not Given	1	4.681	.432	3.819	5.544
	2	3.300	.458	2.387	4.213
	3	6.944	.916	5.118	8.770

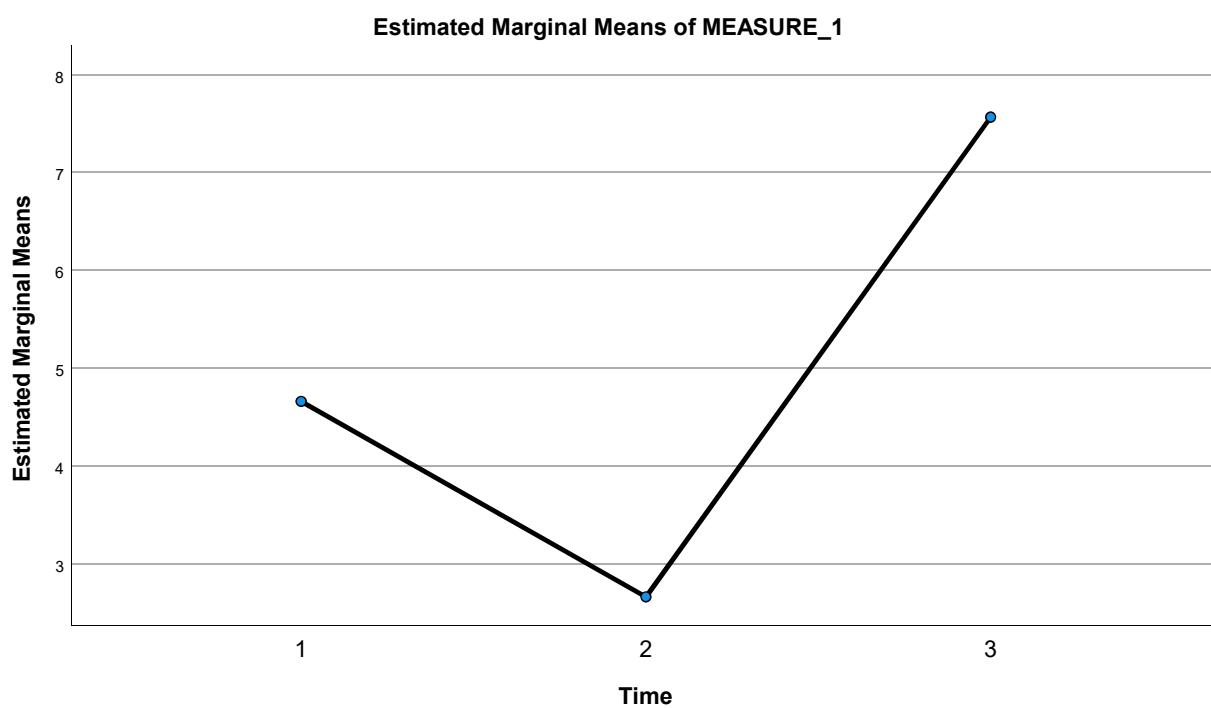
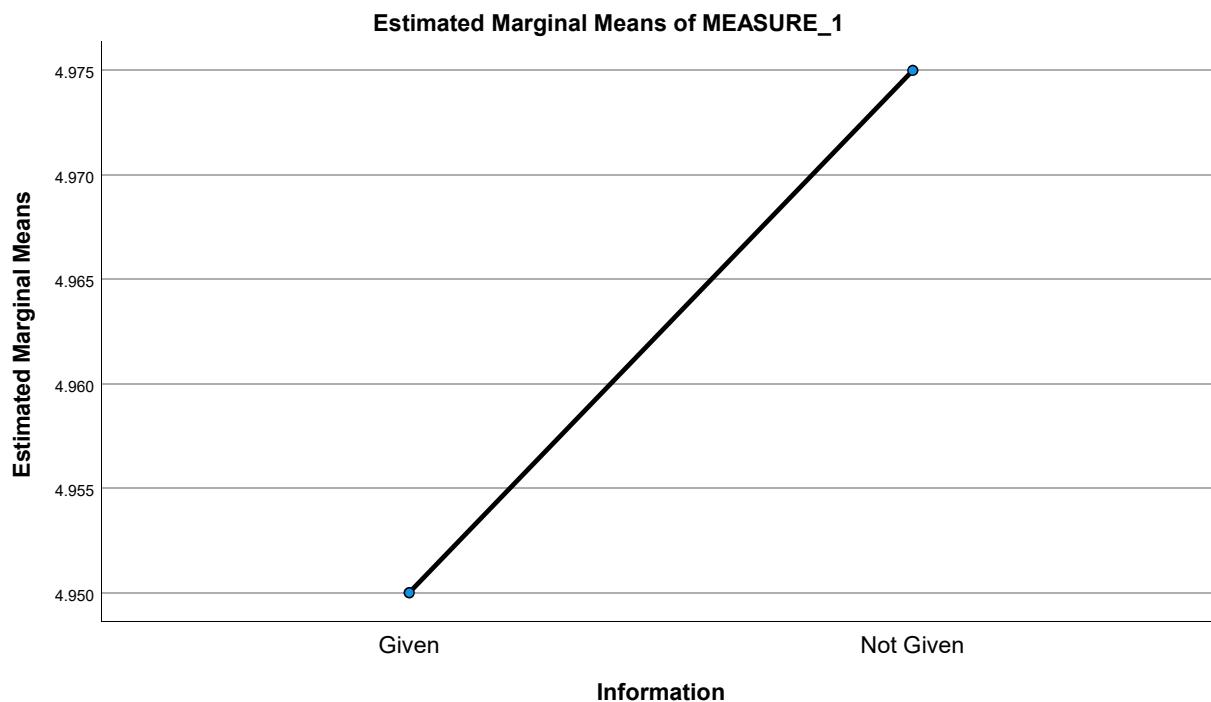
8. Task * Information * Time

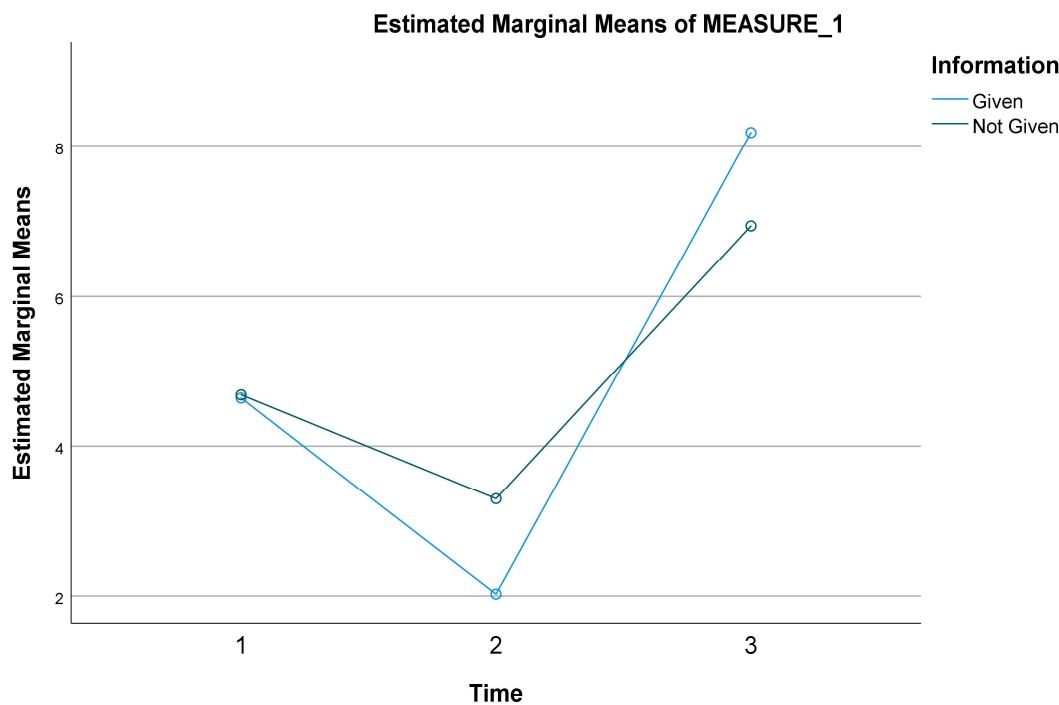
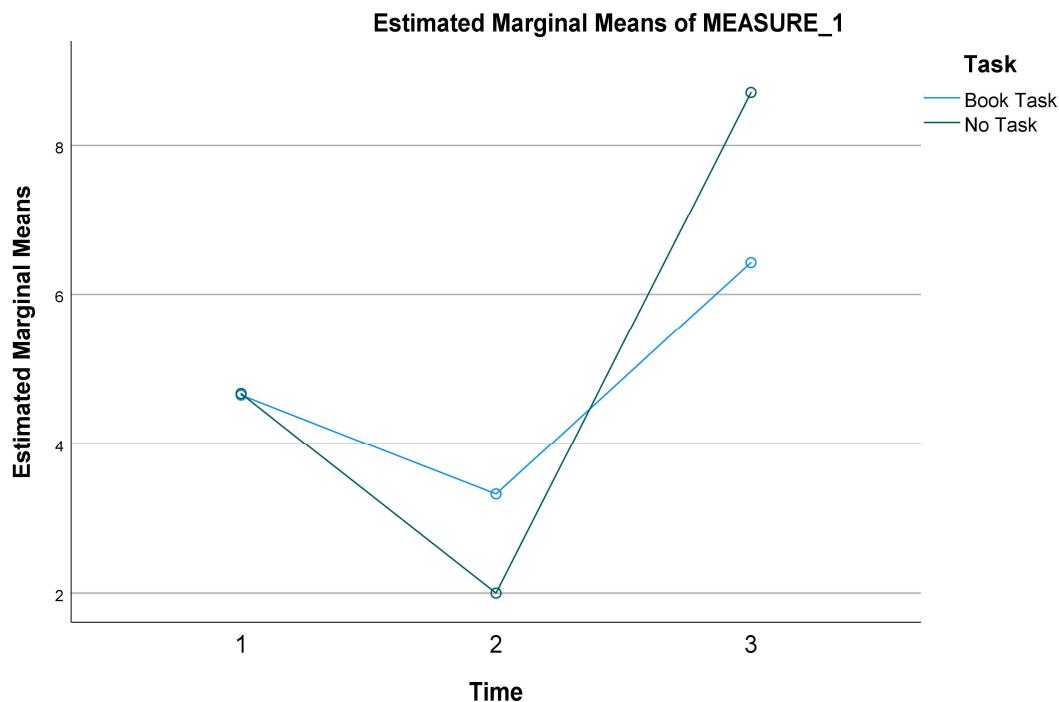
Measure: MEASURE_1

Task	Information	Time	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
Book Task	Given	1	4.500	.576	3.350	5.650
		2	2.550	.610	1.333	3.767
		3	6.650	1.221	4.215	9.085
	Not Given	1	4.800	.576	3.650	5.950
		2	4.100	.610	2.883	5.317
		3	6.200	1.221	3.765	8.635
No Task	Given	1	4.778	.608	3.566	5.990
		2	1.500	.643	.217	2.783
		3	9.722	1.287	7.156	12.289
	Not Given	1	4.563	.645	3.277	5.848
		2	2.500	.682	1.139	3.861
		3	7.688	1.365	4.965	10.410

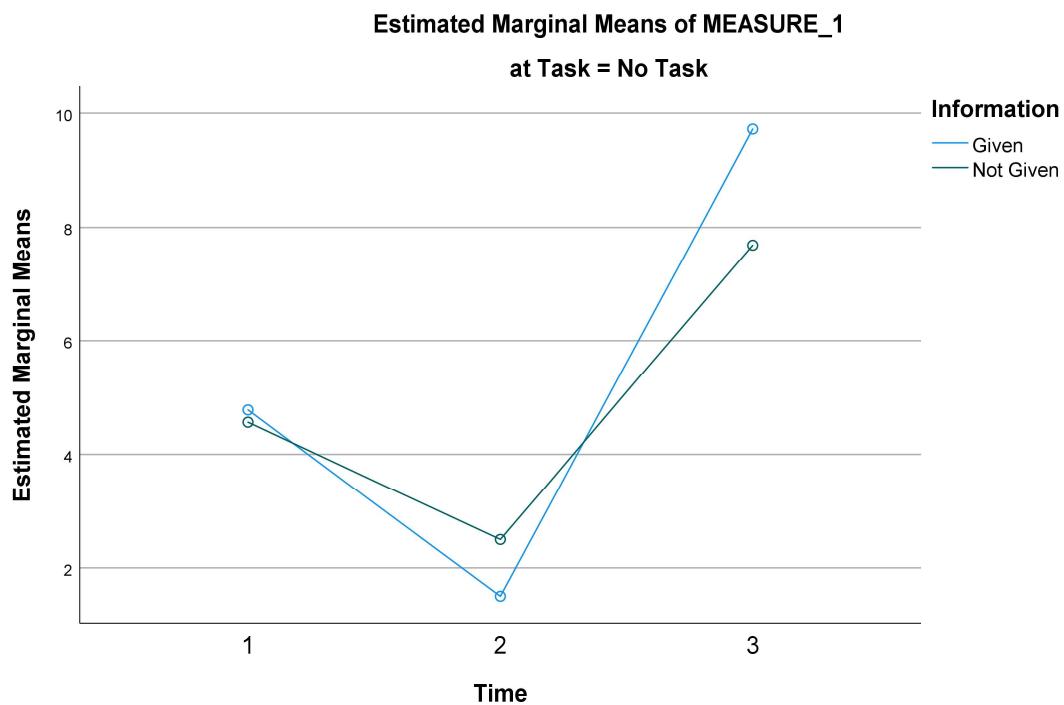
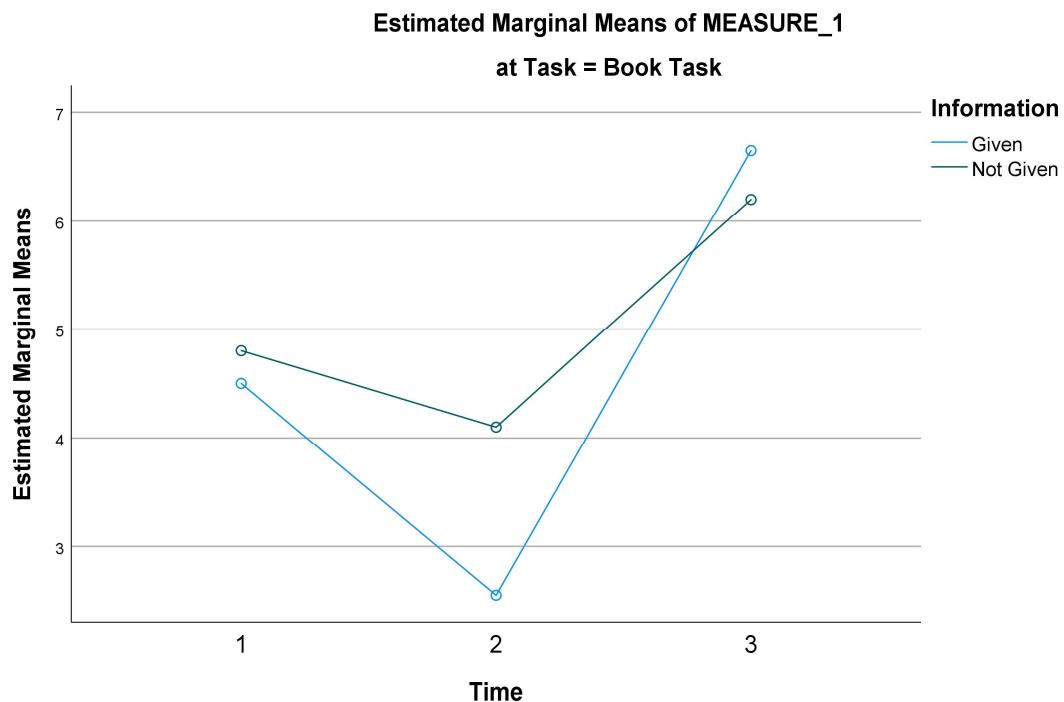
Profile Plots







Time * Information * Task



Books Placed

[DataSet1] D:\Acads\mtp\Data_Analsysis\Anova analysis\Complete Data.sav

Warnings

Post hoc tests are not performed for Information because there are fewer than three groups.

Within-Subjects Factors

Measure: MEASURE_1

Time	Dependent Variable
1	BooksPlaced BeforeEarthquake
2	BooksPlaced DuringEarthquake
3	BooksPlaced AfterEarthquake

Between-Subjects Factors

		N
Information	Given	20
	Not Given	20

Descriptive Statistics

	Information	Mean	Std. Deviation	N
BooksPlacedBeforeEarthquake	Given	2.650	1.8432	20
	Not Given	3.350	1.9541	20
	Total	3.000	1.9081	40
BooksPlacedDuringEarthquake	Given	1.400	1.9304	20
	Not Given	2.500	1.2773	20
	Total	1.950	1.7090	40
BooksPlacedAfterEarthquake	Given	4.650	2.6413	20
	Not Given	3.800	1.9628	20
	Total	4.225	2.3369	40

Box's Test of Equality of Covariance Matrices^a

Box's M	5.566
F	.848
df1	6
df2	10462.189
Sig.	.533

Tests the null hypothesis that the observed covariance matrices of the dependent variables are equal across groups.

a. Design: Intercept + Information
Within Subjects Design: Time

Multivariate Tests^a

Effect		Value	F	Hypothesis df	Error df	Sig.
Time	Pillai's Trace	.509	19.201 ^b	2.000	37.000	.000
	Wilks' Lambda	.491	19.201 ^b	2.000	37.000	.000
	Hotelling's Trace	1.038	19.201 ^b	2.000	37.000	.000
	Roy's Largest Root	1.038	19.201 ^b	2.000	37.000	.000
Time * Information	Pillai's Trace	.138	2.956 ^b	2.000	37.000	.064
	Wilks' Lambda	.862	2.956 ^b	2.000	37.000	.064
	Hotelling's Trace	.160	2.956 ^b	2.000	37.000	.064
	Roy's Largest Root	.160	2.956 ^b	2.000	37.000	.064

Multivariate Tests^a

Effect		Partial Eta Squared	Noncent. Parameter	Observed Power ^c
Time	Pillai's Trace	.509	38.402	1.000
	Wilks' Lambda	.509	38.402	1.000
	Hotelling's Trace	.509	38.402	1.000
	Roy's Largest Root	.509	38.402	1.000
Time * Information	Pillai's Trace	.138	5.911	.541
	Wilks' Lambda	.138	5.911	.541
	Hotelling's Trace	.138	5.911	.541
	Roy's Largest Root	.138	5.911	.541

a. Design: Intercept + Information
Within Subjects Design: Time

b. Exact statistic

c. Computed using alpha = .05

Mauchly's Test of Sphericity^a

Measure: MEASURE_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon ^b Greenhouse- Geisser
Time	.793	8.597	2	.014	.828

Mauchly's Test of Sphericity^a

Measure: MEASURE_1

Within Subjects Effect	Huynh-Feldt	Lower-bound	Epsilon ^b
Time	.884	.500	

Tests the null hypothesis that the error covariance matrix of the orthonormalized transformed dependent variables is proportional to an identity matrix.

a. Design: Intercept + Information
Within Subjects Design: Time

b. May be used to adjust the degrees of freedom for the averaged tests of significance. Corrected tests are displayed in the Tests of Within-Subjects Effects table.

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F
Time	Sphericity Assumed	103.717	2	51.858	16.304
	Greenhouse-Geisser	103.717	1.657	62.611	16.304
	Huynh-Feldt	103.717	1.768	58.658	16.304
	Lower-bound	103.717	1.000	103.717	16.304
Time * Information	Sphericity Assumed	21.217	2	10.608	3.335
	Greenhouse-Geisser	21.217	1.657	12.808	3.335
	Huynh-Feldt	21.217	1.768	11.999	3.335
	Lower-bound	21.217	1.000	21.217	3.335
Error(Time)	Sphericity Assumed	241.733	76	3.181	
	Greenhouse-Geisser	241.733	62.948	3.840	
	Huynh-Feldt	241.733	67.190	3.598	
	Lower-bound	241.733	38.000	6.361	

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power ^a
Time	Sphericity Assumed	.000	.300	32.608	.999
	Greenhouse-Geisser	.000	.300	27.008	.998
	Huynh-Feldt	.000	.300	28.828	.999
	Lower-bound	.000	.300	16.304	.976
Time * Information	Sphericity Assumed	.041	.081	6.670	.615
	Greenhouse-Geisser	.051	.081	5.525	.558
	Huynh-Feldt	.047	.081	5.897	.577
	Lower-bound	.076	.081	3.335	.429
Error(Time)	Sphericity Assumed				
	Greenhouse-Geisser				
	Huynh-Feldt				
	Lower-bound				

a. Computed using alpha = .05

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Time	Type III Sum of Squares	df	Mean Square	F	Sig.
Time	Linear	30.012	1	30.012	6.769	.013
	Quadratic	73.704	1	73.704	38.231	.000
Time * Information	Linear	12.012	1	12.012	2.709	.108
	Quadratic	9.204	1	9.204	4.774	.035
Error(Time)	Linear	168.475	38	4.434		
	Quadratic	73.258	38	1.928		

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Time	Partial Eta Squared	Noncent. Parameter	Observed Power ^a
Time	Linear	.151	6.769	.718
	Quadratic	.502	38.231	1.000
Time * Information	Linear	.067	2.709	.361
	Quadratic	.112	4.774	.567
Error(Time)	Linear			
	Quadratic			

a. Computed using alpha = .05

Levene's Test of Equality of Error Variances^a

		Levene Statistic	df1	df2	Sig.
BooksPlacedBeforeEarthquake	Based on Mean	.410	1	38	.526
	Based on Median	.046	1	38	.831
	Based on Median and with adjusted df	.046	1	37.849	.831
	Based on trimmed mean	.227	1	38	.637
BooksPlacedDuringEarthquake	Based on Mean	.713	1	38	.404
	Based on Median	.218	1	38	.643
	Based on Median and with adjusted df	.218	1	32.046	.643
	Based on trimmed mean	.287	1	38	.595
BooksPlacedAfterEarthquake	Based on Mean	1.878	1	38	.179
	Based on Median	1.011	1	38	.321
	Based on Median and with adjusted df	1.011	1	35.317	.322
	Based on trimmed mean	1.587	1	38	.215

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

- a. Design: Intercept + Information
- Within Subjects Design: Time

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Intercept	1122.408	1	1122.408	210.192	.000	.847
Information	3.008	1	3.008	.563	.458	.015
Error	202.917	38	5.340			

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power ^a
Intercept	210.192	1.000
Information	.563	.113
Error		

a. Computed using alpha = .05

Estimated Marginal Means

1. Grand Mean

Measure: MEASURE_1

95% Confidence Interval				
Mean	Std. Error	Lower Bound	Upper Bound	
3.058	.211	2.631	3.485	

2. Information

Estimates

Measure: MEASURE_1

95% Confidence Interval				
Information	Mean	Std. Error	Lower Bound	Upper Bound
Given	2.900	.298	2.296	3.504
Not Given	3.217	.298	2.613	3.821

Pairwise Comparisons

Measure: MEASURE_1

(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	-.317	.422	.458	-1.171	.537
Not Given	Given	.317	.422	.458	-.537	1.171

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: MEASURE_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	1.003	1	1.003	.563	.458	.015
Error	67.639	38	1.780			

Univariate Tests

Measure: MEASURE_1

	Noncent. Parameter	Observed Power ^a
Contrast	.563	.113
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. Time

Estimates

Measure: MEASURE_1

Time	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	3.000	.300	2.392	3.608
2	1.950	.259	1.426	2.474
3	4.225	.368	3.480	4.970

Pairwise Comparisons

Measure: MEASURE_1

(I) Time	(J) Time	Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence Interval for Difference ^b	
					Lower Bound	Upper Bound
1	2	1.050*	.310	.005	.273	1.827
	3	-1.225*	.471	.039	-2.404	-.046
2	1	-1.050*	.310	.005	-1.827	-.273
	3	-2.275*	.399	.000	-3.274	-1.276
3	1	1.225*	.471	.039	.046	2.404
	2	2.275*	.399	.000	1.276	3.274

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.509	19.201 ^a	2.000	37.000	.000	.509
Wilks' lambda	.491	19.201 ^a	2.000	37.000	.000	.509
Hotelling's trace	1.038	19.201 ^a	2.000	37.000	.000	.509
Roy's largest root	1.038	19.201 ^a	2.000	37.000	.000	.509

Multivariate Tests

	Noncent. Parameter	Observed Power ^b
Pillai's trace	38.402	1.000
Wilks' lambda	38.402	1.000
Hotelling's trace	38.402	1.000
Roy's largest root	38.402	1.000

Each F tests the multivariate effect of Time. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

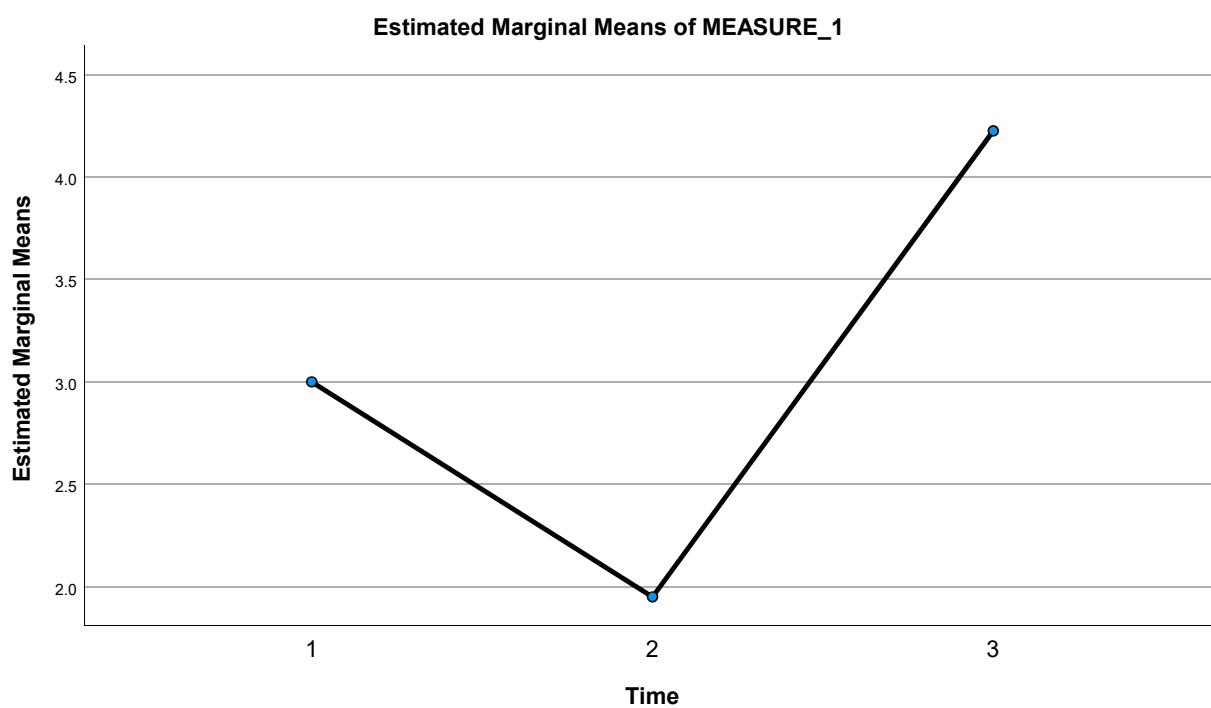
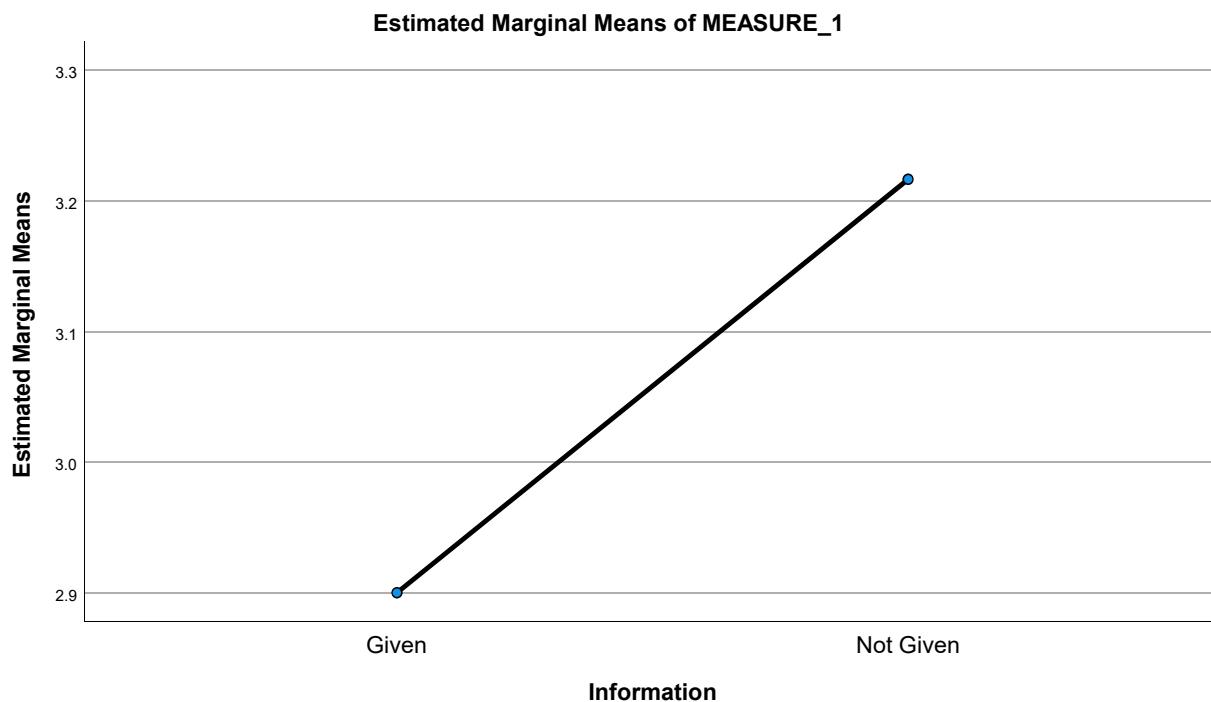
b. Computed using alpha = .05

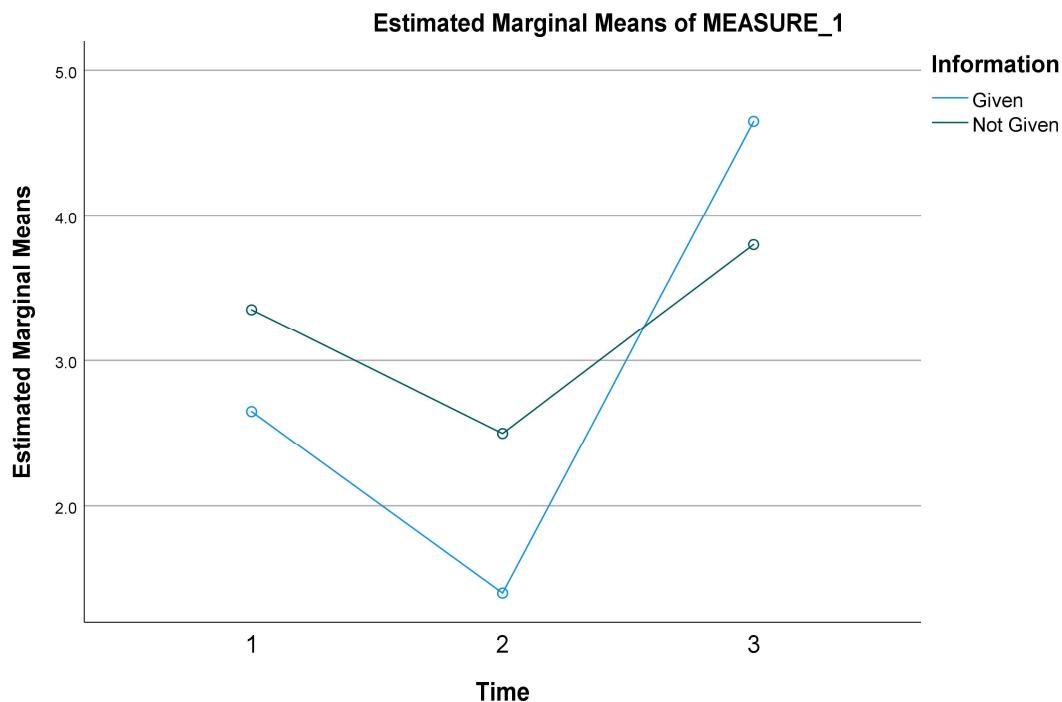
4. Information * Time

Measure: MEASURE_1

Information	Time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Given	1	2.650	.425	1.790	3.510
	2	1.400	.366	.659	2.141
	3	4.650	.520	3.597	5.703
Not Given	1	3.350	.425	2.490	4.210
	2	2.500	.366	1.759	3.241
	3	3.800	.520	2.747	4.853

Profile Plots





Items Observed

[DataSet1] D:\Acads\mtp\Data_Analsysis\Anova analysis\Complete Data.sav

Warnings

Post hoc tests are not performed for Information because there are fewer than three groups.

Within-Subjects Factors

Measure: MEASURE_1

Time	Dependent Variable
1	ItemsObserve dBeforeEarth quake
2	ItemsObserve dDuringEarth quake
3	ItemsObserve dAfterEarthquake

Between-Subjects Factors

		N
Information	Given	18
	Not Given	16

Descriptive Statistics

	Information	Mean	Std. Deviation	N
ItemsObservedBeforeEarthquake	Given	2.611	2.0332	18
	Not Given	2.750	2.1448	16
	Total	2.676	2.0556	34
ItemsObservedDuringEarthquake	Given	.667	1.0290	18
	Not Given	1.500	1.8974	16
	Total	1.059	1.5363	34
ItemsObservedAfterEarthquake	Given	4.444	3.9589	18
	Not Given	3.563	2.5812	16
	Total	4.029	3.3619	34

Box's Test of Equality of Covariance Matrices^a

Box's M	16.276
F	2.433
df1	6
df2	7119.187
Sig.	.024

Tests the null hypothesis that the observed covariance matrices of the dependent variables are equal across groups.

- a. Design: Intercept + Information
- Within Subjects Design: Time

Multivariate Tests^a

Effect		Value	F	Hypothesis df	Error df	Sig.
Time	Pillai's Trace	.504	15.755 ^b	2.000	31.000	.000
	Wilks' Lambda	.496	15.755 ^b	2.000	31.000	.000
	Hotelling's Trace	1.016	15.755 ^b	2.000	31.000	.000
	Roy's Largest Root	1.016	15.755 ^b	2.000	31.000	.000
Time * Information	Pillai's Trace	.075	1.254 ^b	2.000	31.000	.299
	Wilks' Lambda	.925	1.254 ^b	2.000	31.000	.299
	Hotelling's Trace	.081	1.254 ^b	2.000	31.000	.299
	Roy's Largest Root	.081	1.254 ^b	2.000	31.000	.299

Multivariate Tests^a

Effect		Partial Eta Squared	Noncent. Parameter	Observed Power ^c
Time	Pillai's Trace	.504	31.509	.999
	Wilks' Lambda	.504	31.509	.999
	Hotelling's Trace	.504	31.509	.999
	Roy's Largest Root	.504	31.509	.999
Time * Information	Pillai's Trace	.075	2.508	.252
	Wilks' Lambda	.075	2.508	.252
	Hotelling's Trace	.075	2.508	.252
	Roy's Largest Root	.075	2.508	.252

a. Design: Intercept + Information
Within Subjects Design: Time

b. Exact statistic

c. Computed using alpha = .05

Mauchly's Test of Sphericity^a

Measure: MEASURE_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon ^b Greenhouse-Geisser
Time	.742	9.243	2	.010	.795

Mauchly's Test of Sphericity^a

Measure: MEASURE_1

Within Subjects Effect	Huynh-Feldt	Lower-bound	Epsilon ^b
Time	.856	.500	

Tests the null hypothesis that the error covariance matrix of the orthonormalized transformed dependent variables is proportional to an identity matrix.

- a. Design: Intercept + Information
Within Subjects Design: Time
- b. May be used to adjust the degrees of freedom for the averaged tests of significance. Corrected tests are displayed in the Tests of Within-Subjects Effects table.

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F
Time	Sphericity Assumed	144.886	2	72.443	22.257
	Greenhouse-Geisser	144.886	1.590	91.120	22.257
	Huynh-Feldt	144.886	1.712	84.630	22.257
	Lower-bound	144.886	1.000	144.886	22.257
Time * Information	Sphericity Assumed	12.611	2	6.306	1.937
	Greenhouse-Geisser	12.611	1.590	7.931	1.937
	Huynh-Feldt	12.611	1.712	7.366	1.937
	Lower-bound	12.611	1.000	12.611	1.937
Error(Time)	Sphericity Assumed	208.310	64	3.255	
	Greenhouse-Geisser	208.310	50.882	4.094	
	Huynh-Feldt	208.310	54.784	3.802	
	Lower-bound	208.310	32.000	6.510	

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power ^a
Time	Sphericity Assumed	.000	.410	44.514	1.000
	Greenhouse-Geisser	.000	.410	35.390	1.000
	Huynh-Feldt	.000	.410	38.104	1.000
	Lower-bound	.000	.410	22.257	.996
Time * Information	Sphericity Assumed	.152	.057	3.875	.387
	Greenhouse-Geisser	.162	.057	3.080	.342
	Huynh-Feldt	.159	.057	3.317	.356
	Lower-bound	.174	.057	1.937	.271
Error(Time)	Sphericity Assumed				
	Greenhouse-Geisser				
	Huynh-Feldt				
	Lower-bound				

a. Computed using alpha = .05

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Time	Type III Sum of Squares	df	Mean Square	F	Sig.
Time	Linear	29.649	1	29.649	10.043	.003
	Quadratic	115.237	1	115.237	32.392	.000
Time * Information	Linear	4.414	1	4.414	1.495	.230
	Quadratic	8.198	1	8.198	2.304	.139
Error(Time)	Linear	94.469	32	2.952		
	Quadratic	113.841	32	3.558		

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Time	Partial Eta Squared	Noncent. Parameter	Observed Power ^a
Time	Linear	.239	10.043	.867
	Quadratic	.503	32.392	1.000
Time * Information	Linear	.045	1.495	.220
	Quadratic	.067	2.304	.313
Error(Time)	Linear			
	Quadratic			

a. Computed using alpha = .05

Levene's Test of Equality of Error Variances^a

		Levene Statistic	df1	df2	Sig.
ItemsObservedBeforeEarthquake	Based on Mean	.508	1	32	.481
	Based on Median	.259	1	32	.615
	Based on Median and with adjusted df	.259	1	31.913	.615
	Based on trimmed mean	.491	1	32	.488
ItemsObservedDuringEarthquake	Based on Mean	5.982	1	32	.020
	Based on Median	2.973	1	32	.094
	Based on Median and with adjusted df	2.973	1	29.733	.095
	Based on trimmed mean	4.973	1	32	.033
ItemsObservedAfterEarthquake	Based on Mean	1.029	1	32	.318
	Based on Median	.559	1	32	.460
	Based on Median and with adjusted df	.559	1	24.700	.462
	Based on trimmed mean	.650	1	32	.426

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

a. Design: Intercept + Information
 Within Subjects Design: Time

Tests of Between-Subjects Effects

Measure: MEASURE_1
 Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Intercept	681.396	1	681.396	59.035	.000	.648
Information	.023	1	.023	.002	.965	.000
Error	369.350	32	11.542			

Tests of Between-Subjects Effects

Measure: MEASURE_1
 Transformed Variable: Average

Source	Noncent. Parameter	Observed Power ^a
Intercept	59.035	1.000
Information	.002	.050
Error		

a. Computed using alpha = .05

Estimated Marginal Means

1. Grand Mean

Measure: MEASURE_1

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
2.589	.337	1.903	3.276

2. Information

Estimates

Measure: MEASURE_1

Information	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Given	2.574	.462	1.632	3.516
Not Given	2.604	.490	1.605	3.603

Pairwise Comparisons

Measure: MEASURE_1

(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	-.030	.674	.965	-1.403	1.343
Not Given	Given	.030	.674	.965	-1.343	1.403

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: MEASURE_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	.008	1	.008	.002	.965	.000
Error	123.117	32	3.847			

Univariate Tests

Measure: MEASURE_1

	Noncent. Parameter	Observed Power ^a
Contrast	.002	.050
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. Time

Estimates

Measure: MEASURE_1

Time	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	2.681	.358	1.950	3.411
2	1.083	.258	.558	1.608
3	4.003	.581	2.819	5.188

Pairwise Comparisons

Measure: MEASURE_1

(I) Time	(J) Time	Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence Interval for Difference ^b	
					Lower Bound	Upper Bound
1	2	1.597*	.344	.000	.729	2.465
	3	-1.323*	.417	.010	-2.378	-.268
2	1	-1.597*	.344	.000	-2.465	-.729
	3	-2.920*	.533	.000	-4.267	-1.573
3	1	1.323*	.417	.010	.268	2.378
	2	2.920*	.533	.000	1.573	4.267

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.504	15.755 ^a	2.000	31.000	.000	.504
Wilks' lambda	.496	15.755 ^a	2.000	31.000	.000	.504
Hotelling's trace	1.016	15.755 ^a	2.000	31.000	.000	.504
Roy's largest root	1.016	15.755 ^a	2.000	31.000	.000	.504

Multivariate Tests

	Noncent. Parameter	Observed Power ^b
Pillai's trace	31.509	.999
Wilks' lambda	31.509	.999
Hotelling's trace	31.509	.999
Roy's largest root	31.509	.999

Each F tests the multivariate effect of Time. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

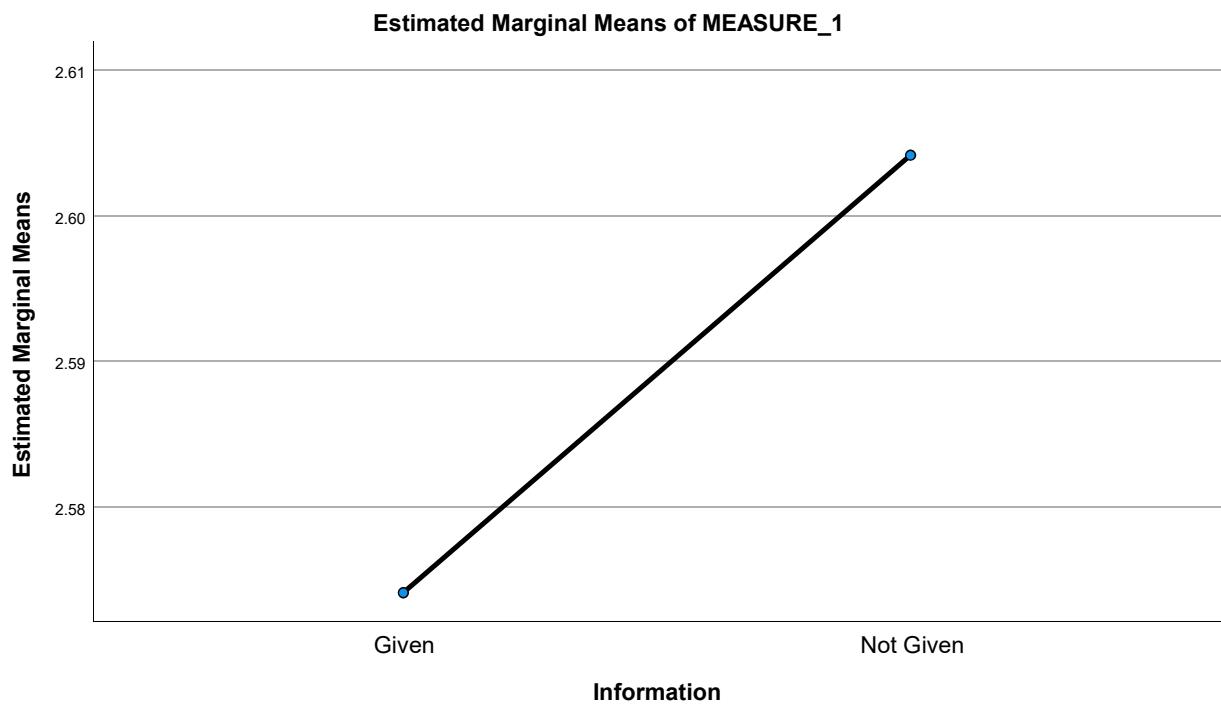
b. Computed using alpha = .05

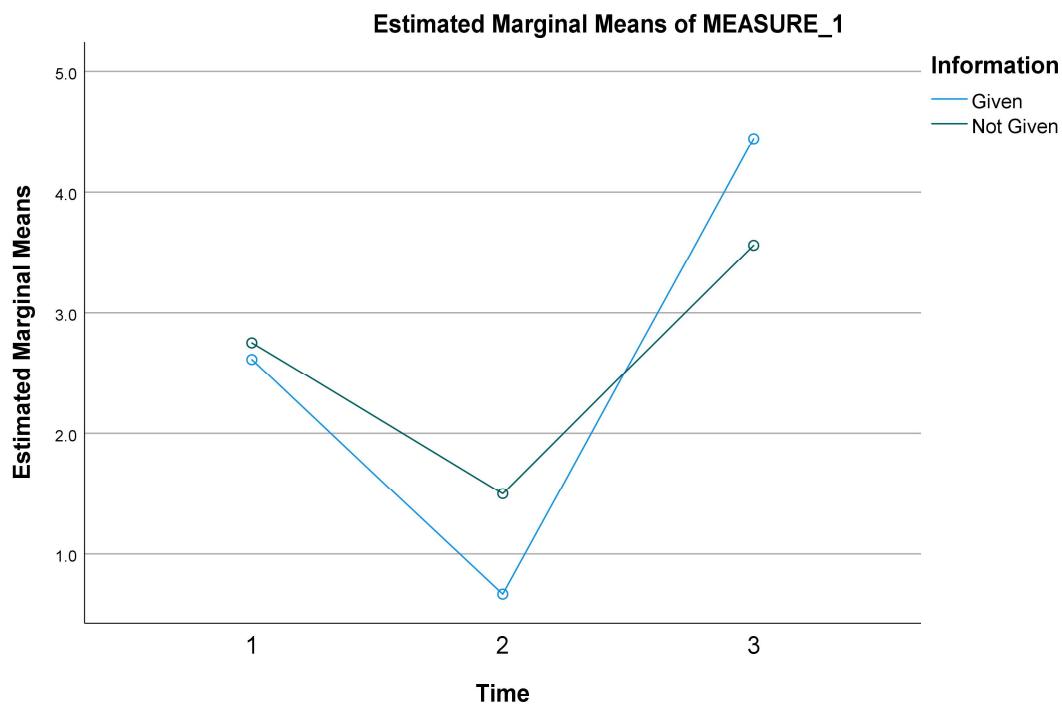
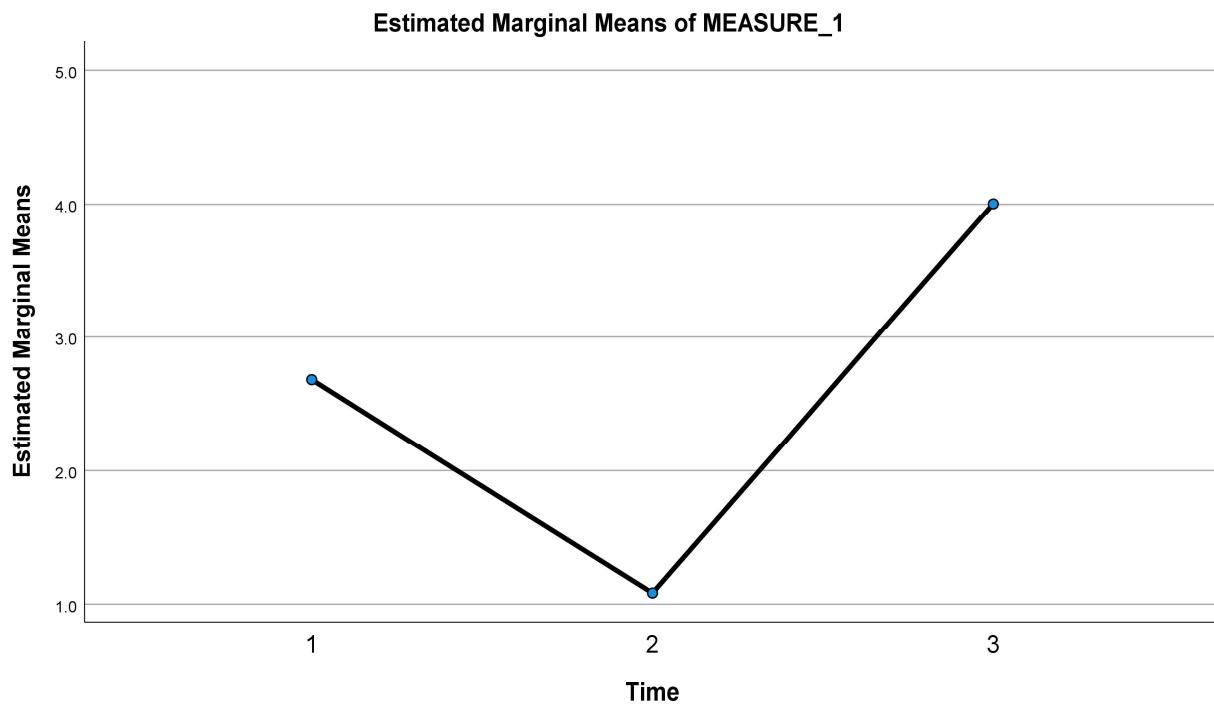
4. Information * Time

Measure: MEASURE_1

Information	Time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Given	1	2.611	.492	1.609	3.613
	2	.667	.354	-.053	1.387
	3	4.444	.798	2.820	6.069
Not Given	1	2.750	.522	1.688	3.812
	2	1.500	.375	.736	2.264
	3	3.563	.846	1.839	5.286

Profile Plots





Cover Attempts (Group 1,2,3,4)

Between-Subjects Factors

N		
Task	Book Task	40
	No Task	34
Information	Given	38
	Not Given	36

Descriptive Statistics

Dependent Variable: CoverAttempts

Task	Information	Mean	Std. Deviation	N
Book Task	Given	1.35	1.424	20
	Not Given	.40	.821	20
	Total	.87	1.244	40
No Task	Given	1.39	1.092	18
	Not Given	.94	.772	16
	Total	1.18	.968	34
Total	Given	1.37	1.261	38
	Not Given	.64	.833	36
	Total	1.01	1.129	74

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

		Levene Statistic	df1	df2	Sig.
CoverAttempts	Based on Mean	4.236	3	70	.008
	Based on Median	3.084	3	70	.033
	Based on Median and with adjusted df	3.084	3	62.181	.034
	Based on trimmed mean	3.993	3	70	.011

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

- a. Dependent variable: CoverAttempts
- b. Design: Intercept + Task + Information + Task * Information

Tests of Between-Subjects Effects

Dependent Variable: CoverAttempts

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	12.421 ^a	3	4.140	3.597	.018	.134
Intercept	76.205	1	76.205	66.212	.000	.486
Task	1.524	1	1.524	1.324	.254	.019
Information	9.006	1	9.006	7.825	.007	.101
Task * Information	1.140	1	1.140	.991	.323	.014
Error	80.565	70	1.151			
Total	169.000	74				
Corrected Total	92.986	73				

Tests of Between-Subjects Effects

Dependent Variable: CoverAttempts

Source	Noncent. Parameter	Observed Power ^b
Corrected Model	10.792	.770
Intercept	66.212	1.000
Task	1.324	.206
Information	7.825	.788
Task * Information	.991	.166
Error		
Total		
Corrected Total		

a. R Squared = .134 (Adjusted R Squared = .096)

b. Computed using alpha = .05

Estimated Marginal Means

1. Grand Mean

Dependent Variable: CoverAttempts

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
1.019	.125	.769	1.269

2. Task

Estimates

Dependent Variable: CoverAttempts

Task	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Book Task	.875	.170	.537	1.213
No Task	1.163	.184	.796	1.531

Pairwise Comparisons

Dependent Variable: CoverAttempts

(I) Task	(J) Task	Mean Difference (I-J)	95% Confidence Interval for Difference ^a			
			Std. Error	Sig. ^a	Lower Bound	Upper Bound
Book Task	No Task	-.288	.250	.254	-.788	.211
No Task	Book Task	.288	.250	.254	-.211	.788

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	1.524	1	1.524	1.324	.254	.019
Error	80.565	70	1.151			

Univariate Tests

Dependent Variable: CoverAttempts

	Noncent. Parameter	Observed Power ^a
Contrast	1.324	.206
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

3. Information

Estimates

Dependent Variable: CoverAttempts

Information	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Given	1.369	.174	1.022	1.717
Not Given	.669	.180	.310	1.028

Pairwise Comparisons

Dependent Variable: CoverAttempts

(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	.701*	.250	.007	.201	1.200
Not Given	Given	-.701*	.250	.007	-1.200	-.201

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Dependent Variable: CoverAttempts

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	9.006	1	9.006	7.825	.007	.101
Error	80.565	70	1.151			

Univariate Tests

Dependent Variable: CoverAttempts

	Noncent. Parameter	Observed Power ^a
Contrast	7.825	.788
Error		

The F tests the effect of Information. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

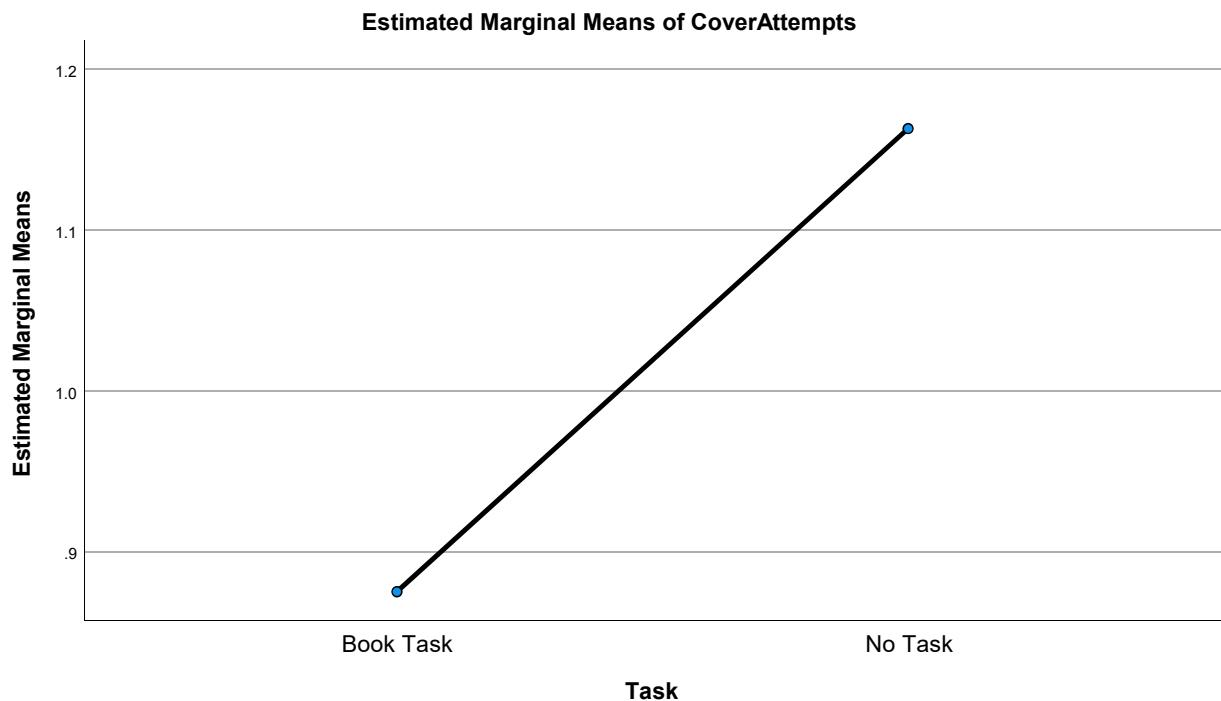
a. Computed using alpha = .05

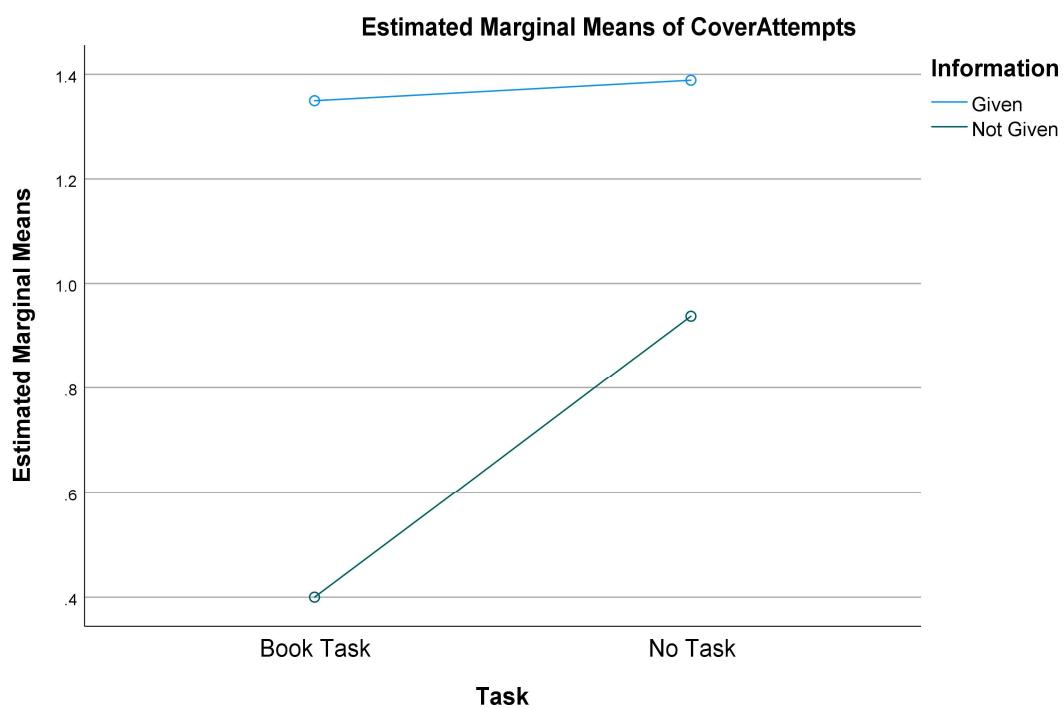
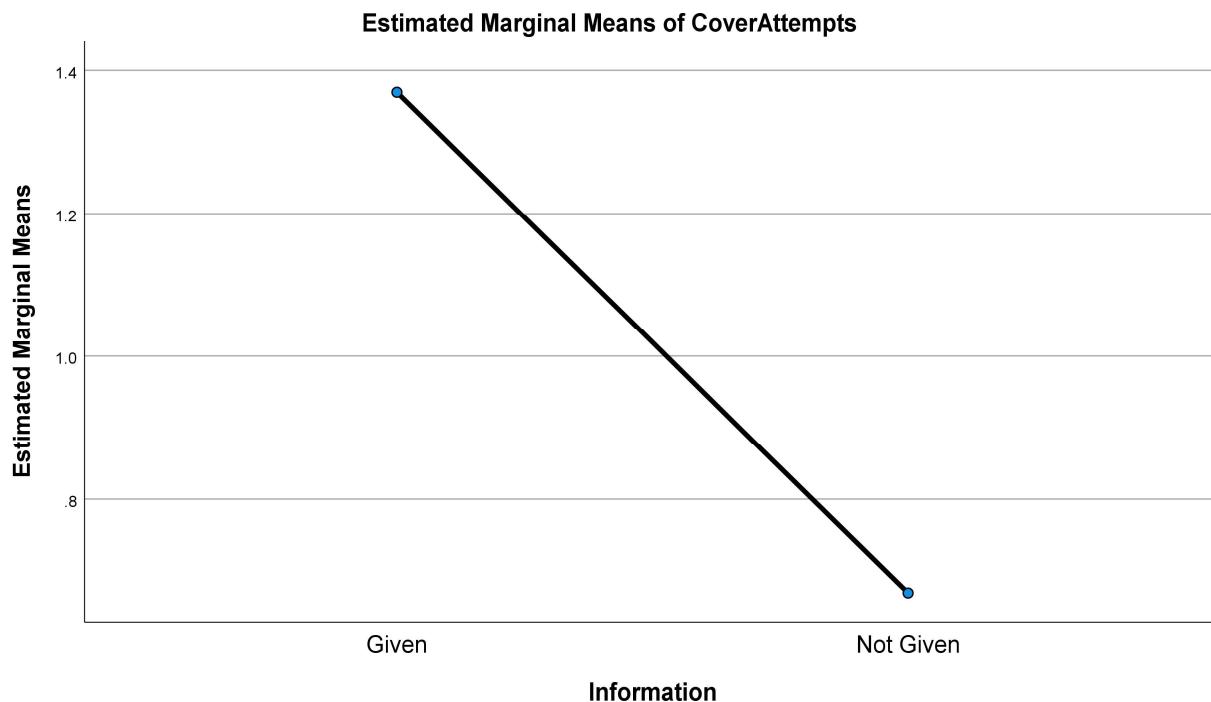
4. Task * Information

Dependent Variable: CoverAttempts

Task	Information	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Book Task	Given	1.350	.240	.872	1.828
	Not Given	.400	.240	-.078	.878
No Task	Given	1.389	.253	.885	1.893
	Not Given	.938	.268	.403	1.472

Profile Plots





Total Time Spent In cover Across Time (Group 1,2,3,4)

Warnings

Post hoc tests are not performed for Task because there are fewer than three groups.

Post hoc tests are not performed for Information because there are fewer than three groups.

Within-Subjects Factors

Measure: MEASURE_1

Time	Dependent Variable
1	TotalDurationInTableCoverBeforeEarthquake
2	TotalDurationInTableCoverDuringEarthquake
3	TotalDurationInTableCoverAfterEarthquake

Between-Subjects Factors

		N
Task	Book Task	40
	No Task	34
Information	Given	38
	Not Given	36

Descriptive Statistics

	Task	Information	Mean	Std. Deviation	N
TotalDurationIntableCoverB eforeEarthquake	Book Task	Given	.24085	.652898	20
		Not Given	.06330	.283086	20
		Total	.15207	.504775	40
	No Task	Given	.71450	1.692329	18
		Not Given	.71488	2.859500	16
		Total	.71468	2.278614	34
	Total	Given	.46521	1.261833	38
		Not Given	.35289	1.911974	36
		Total	.41057	1.600911	74
TotalDurationIntableCoverD uringEarthquake	Book Task	Given	9.19285	13.266992	20
		Not Given	.35135	1.115205	20
		Total	4.77210	10.315037	40
	No Task	Given	14.16744	18.612809	18
		Not Given	8.65469	17.452120	16
		Total	11.57321	18.019767	34
	Total	Given	11.54924	15.996717	38
		Not Given	4.04172	12.194994	36
		Total	7.89693	14.672306	74
TotalDurationIntableCoverA fterEarthquake	Book Task	Given	.94210	1.233123	20
		Not Given	3.81085	14.801035	20
		Total	2.37648	10.467937	40
	No Task	Given	1.39639	1.843083	18
		Not Given	4.21506	11.189280	16
		Total	2.72282	7.790916	34
	Total	Given	1.15729	1.547401	38
		Not Given	3.99050	13.138595	36
		Total	2.53561	9.274195	74

Box's Test of Equality of Covariance Matrices^a

Box's M	410.100
F	20.977
df1	18
df2	16056.615
Sig.	.000

Tests the null hypothesis that the observed covariance matrices of the dependent variables are equal across groups.

a. Design: Intercept + Task + Information + Task * Information
Within Subjects Design: Time

Multivariate Tests^a

Effect		Value	F	Hypothesis df	Error df
Time	Pillai's Trace	.248	11.382 ^b	2.000	69.000
	Wilks' Lambda	.752	11.382 ^b	2.000	69.000
	Hotelling's Trace	.330	11.382 ^b	2.000	69.000
	Roy's Largest Root	.330	11.382 ^b	2.000	69.000
Time * Task	Pillai's Trace	.046	1.658 ^b	2.000	69.000
	Wilks' Lambda	.954	1.658 ^b	2.000	69.000
	Hotelling's Trace	.048	1.658 ^b	2.000	69.000
	Roy's Largest Root	.048	1.658 ^b	2.000	69.000
Time * Information	Pillai's Trace	.089	3.382 ^b	2.000	69.000
	Wilks' Lambda	.911	3.382 ^b	2.000	69.000
	Hotelling's Trace	.098	3.382 ^b	2.000	69.000
	Roy's Largest Root	.098	3.382 ^b	2.000	69.000
Time * Task * Information	Pillai's Trace	.003	.114 ^b	2.000	69.000
	Wilks' Lambda	.997	.114 ^b	2.000	69.000
	Hotelling's Trace	.003	.114 ^b	2.000	69.000
	Roy's Largest Root	.003	.114 ^b	2.000	69.000

Multivariate Tests^a

Effect		Sig.	Partial Eta Squared	Noncent. Parameter
Time	Pillai's Trace	.000	.248	22.764
	Wilks' Lambda	.000	.248	22.764
	Hotelling's Trace	.000	.248	22.764
	Roy's Largest Root	.000	.248	22.764
Time * Task	Pillai's Trace	.198	.046	3.316
	Wilks' Lambda	.198	.046	3.316
	Hotelling's Trace	.198	.046	3.316
	Roy's Largest Root	.198	.046	3.316
Time * Information	Pillai's Trace	.040	.089	6.764
	Wilks' Lambda	.040	.089	6.764
	Hotelling's Trace	.040	.089	6.764
	Roy's Largest Root	.040	.089	6.764
Time * Task * Information	Pillai's Trace	.892	.003	.229
	Wilks' Lambda	.892	.003	.229
	Hotelling's Trace	.892	.003	.229
	Roy's Largest Root	.892	.003	.229

Multivariate Tests^a

Effect		Observed Power ^c
Time	Pillai's Trace	.991
	Wilks' Lambda	.991
	Hotelling's Trace	.991
	Roy's Largest Root	.991
Time * Task	Pillai's Trace	.338
	Wilks' Lambda	.338
	Hotelling's Trace	.338
	Roy's Largest Root	.338
Time * Information	Pillai's Trace	.619
	Wilks' Lambda	.619
	Hotelling's Trace	.619
	Roy's Largest Root	.619
Time * Task * Information	Pillai's Trace	.067
	Wilks' Lambda	.067
	Hotelling's Trace	.067
	Roy's Largest Root	.067

a. Design: Intercept + Task + Information + Task * Information
 Within Subjects Design: Time

b. Exact statistic

c. Computed using alpha = .05

Mauchly's Test of Sphericity^a

Measure: MEASURE_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon ^b Greenhouse- Geisser
Time	.700	24.578	2	.000	.769

Mauchly's Test of Sphericity^a

Measure: MEASURE_1

Within Subjects Effect	Huynh-Feldt	Lower-bound	Epsilon ^b
Time	.817	.500	

Tests the null hypothesis that the error covariance matrix of the orthonormalized transformed dependent variables is proportional to an identity matrix.

- a. Design: Intercept + Task + Information + Task * Information
Within Subjects Design: Time
- b. May be used to adjust the degrees of freedom for the averaged tests of significance. Corrected tests are displayed in the Tests of Within-Subjects Effects table.

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F
Time	Sphericity Assumed	2288.325	2	1144.162	12.137
	Greenhouse-Geisser	2288.325	1.539	1487.033	12.137
	Huynh-Feldt	2288.325	1.634	1400.324	12.137
	Lower-bound	2288.325	1.000	2288.325	12.137
Time * Task	Sphericity Assumed	461.659	2	230.829	2.449
	Greenhouse-Geisser	461.659	1.539	300.002	2.449
	Huynh-Feldt	461.659	1.634	282.509	2.449
	Lower-bound	461.659	1.000	461.659	2.449
Time * Information	Sphericity Assumed	973.838	2	486.919	5.165
	Greenhouse-Geisser	973.838	1.539	632.834	5.165
	Huynh-Feldt	973.838	1.634	595.933	5.165
	Lower-bound	973.838	1.000	973.838	5.165
Time * Task * Information	Sphericity Assumed	32.707	2	16.354	.173
	Greenhouse-Geisser	32.707	1.539	21.254	.173
	Huynh-Feldt	32.707	1.634	20.015	.173
	Lower-bound	32.707	1.000	32.707	.173
Error(Time)	Sphericity Assumed	13198.011	140	94.272	
	Greenhouse-Geisser	13198.011	107.720	122.522	
	Huynh-Feldt	13198.011	114.390	115.378	
	Lower-bound	13198.011	70.000	188.543	

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Sig.	Partial Eta Squared	Noncent. Parameter
Time	Sphericity Assumed	.000	.148	24.274
	Greenhouse-Geisser	.000	.148	18.677
	Huynh-Feldt	.000	.148	19.833
	Lower-bound	.001	.148	12.137
Time * Task	Sphericity Assumed	.090	.034	4.897
	Greenhouse-Geisser	.105	.034	3.768
	Huynh-Feldt	.101	.034	4.001
	Lower-bound	.122	.034	2.449
Time * Information	Sphericity Assumed	.007	.069	10.330
	Greenhouse-Geisser	.013	.069	7.948
	Huynh-Feldt	.011	.069	8.440
	Lower-bound	.026	.069	5.165
Time * Task * Information	Sphericity Assumed	.841	.002	.347
	Greenhouse-Geisser	.783	.002	.267
	Huynh-Feldt	.797	.002	.283
	Lower-bound	.678	.002	.173
Error(Time)	Sphericity Assumed			
	Greenhouse-Geisser			
	Huynh-Feldt			
	Lower-bound			

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Observed Power ^a
Time	Sphericity Assumed	.995
	Greenhouse-Geisser	.982
	Huynh-Feldt	.986
	Lower-bound	.930
Time * Task	Sphericity Assumed	.486
	Greenhouse-Geisser	.422
	Huynh-Feldt	.436
	Lower-bound	.339
Time * Information	Sphericity Assumed	.820
	Greenhouse-Geisser	.741
	Huynh-Feldt	.760
	Lower-bound	.611
Time * Task * Information	Sphericity Assumed	.076
	Greenhouse-Geisser	.074
	Huynh-Feldt	.074
	Lower-bound	.070
Error(Time)	Sphericity Assumed	
	Greenhouse-Geisser	
	Huynh-Feldt	
	Lower-bound	

a. Computed using alpha = .05

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Time	Type III Sum of Squares	df	Mean Square	F
Time	Linear	170.810	1	170.810	3.713
	Quadratic	2117.515	1	2117.515	14.856
Time * Task	Linear	.163	1	.163	.004
	Quadratic	461.495	1	461.495	3.238
Time * Information	Linear	78.864	1	78.864	1.714
	Quadratic	894.974	1	894.974	6.279
Time * Task * Information	Linear	.119	1	.119	.003
	Quadratic	32.588	1	32.588	.229
Error(Time)	Linear	3220.447	70	46.006	
	Quadratic	9977.564	70	142.537	

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Time	Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power ^a
Time	Linear	.058	.050	3.713	.476
	Quadratic	.000	.175	14.856	.967
Time * Task	Linear	.953	.000	.004	.050
	Quadratic	.076	.044	3.238	.427
Time * Information	Linear	.195	.024	1.714	.252
	Quadratic	.015	.082	6.279	.695
Time * Task * Information	Linear	.960	.000	.003	.050
	Quadratic	.634	.003	.229	.076
Error(Time)	Linear				
	Quadratic				

a. Computed using alpha = .05

Levene's Test of Equality of Error Variances^a

		Levene Statistic	df1	df2	Sig.
TotalDurationIntableCoverB eforeEarthquake	Based on Mean	3.328	3	70	.024
	Based on Median	.791	3	70	.503
	Based on Median and with adjusted df	.791	3	28.577	.509
	Based on trimmed mean	1.501	3	70	.222
TotalDurationIntableCoverD uringEarthquake	Based on Mean	13.766	3	70	.000
	Based on Median	3.421	3	70	.022
	Based on Median and with adjusted df	3.421	3	47.637	.025
	Based on trimmed mean	10.793	3	70	.000
TotalDurationIntableCoverA fterEarthquake	Based on Mean	2.322	3	70	.083
	Based on Median	.582	3	70	.629
	Based on Median and with adjusted df	.582	3	32.577	.631
	Based on trimmed mean	.823	3	70	.485

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

- a. Design: Intercept + Task + Information + Task * Information
 Within Subjects Design: Time

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Intercept	3022.273	1	3022.273	30.502	.000	.303
Task	356.053	1	356.053	3.593	.062	.049
Information	119.567	1	119.567	1.207	.276	.017
Task * Information	18.264	1	18.264	.184	.669	.003
Error	6935.880	70	99.084			

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power ^a
Intercept	30.502	1.000
Task	3.593	.464
Information	1.207	.192
Task * Information	.184	.071
Error		

a. Computed using alpha = .05

Estimated Marginal Means

1. Grand Mean

Measure: MEASURE_1

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
3.705	.671	2.367	5.043

2. Task

Estimates

Measure: MEASURE_1

Task	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Book Task	2.434	.909	.621	4.246
No Task	4.977	.987	3.008	6.946

Pairwise Comparisons

Measure: MEASURE_1

(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	-2.544	1.342	.062	-5.220	.133
No Task	Book Task	2.544	1.342	.062	-.133	5.220

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: MEASURE_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	118.684	1	118.684	3.593	.062	.049
Error	2311.960	70	33.028			

Univariate Tests

Measure: MEASURE_1

	Noncent. Parameter	Observed Power ^a
Contrast	3.593	.464
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

3. Information

Estimates

Measure: MEASURE_1

Information	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Given	4.442	.934	2.580	6.304
Not Given	2.968	.964	1.046	4.891

Pairwise Comparisons

Measure: MEASURE_1

(I) Information	(J) Information	Mean Difference (I-J)	95% Confidence Interval for Difference ^a			
			Std. Error	Sig. ^a	Lower Bound	Upper Bound
Given	Not Given	1.474	1.342	.276	-1.202	4.150
Not Given	Given	-1.474	1.342	.276	-4.150	1.202

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: MEASURE_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	39.856	1	39.856	1.207	.276	.017
Error	2311.960	70	33.028			

Univariate Tests

Measure: MEASURE_1

	Noncent. Parameter	Observed Power ^a
Contrast	1.207	.192
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

4. Time

Estimates

Measure: MEASURE_1

Time	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	.433	.188	.059	.808
2	8.092	1.641	4.819	11.364
3	2.591	1.092	.413	4.769

Pairwise Comparisons

Measure: MEASURE_1

(I) Time	(J) Time	Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence Interval for Difference ^b	
					Lower Bound	Upper Bound
1	2	-7.658*	1.672	.000	-11.760	-3.557
	3	-2.158	1.120	.174	-4.904	.589
2	1	7.658*	1.672	.000	3.557	11.760
	3	5.500*	1.913	.016	.809	10.192
3	1	2.158	1.120	.174	-.589	4.904
	2	-5.500*	1.913	.016	-10.192	-.809

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.248	11.382 ^a	2.000	69.000	.000	.248
Wilks' lambda	.752	11.382 ^a	2.000	69.000	.000	.248
Hotelling's trace	.330	11.382 ^a	2.000	69.000	.000	.248
Roy's largest root	.330	11.382 ^a	2.000	69.000	.000	.248

Multivariate Tests

	Noncent. Parameter	Observed Power ^b
Pillai's trace	22.764	.991
Wilks' lambda	22.764	.991
Hotelling's trace	22.764	.991
Roy's largest root	22.764	.991

Each F tests the multivariate effect of Time. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

b. Computed using alpha = .05

5. Task * Information

Measure: MEASURE_1

Task	Information	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Book Task	Given	3.459	1.285	.896	6.022
	Not Given	1.409	1.285	-1.154	3.971
No Task	Given	5.426	1.355	2.724	8.128
	Not Given	4.528	1.437	1.663	7.394

6. Task * Time

Measure: MEASURE_1

Task	Time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Book Task	1	.152	.254	-.355	.659
	2	4.772	2.222	.340	9.204
	3	2.376	1.479	-.574	5.327
No Task	1	.715	.276	.164	1.266
	2	11.411	2.414	6.596	16.226
	3	2.806	1.607	-.400	6.011

7. Information * Time

Measure: MEASURE_1

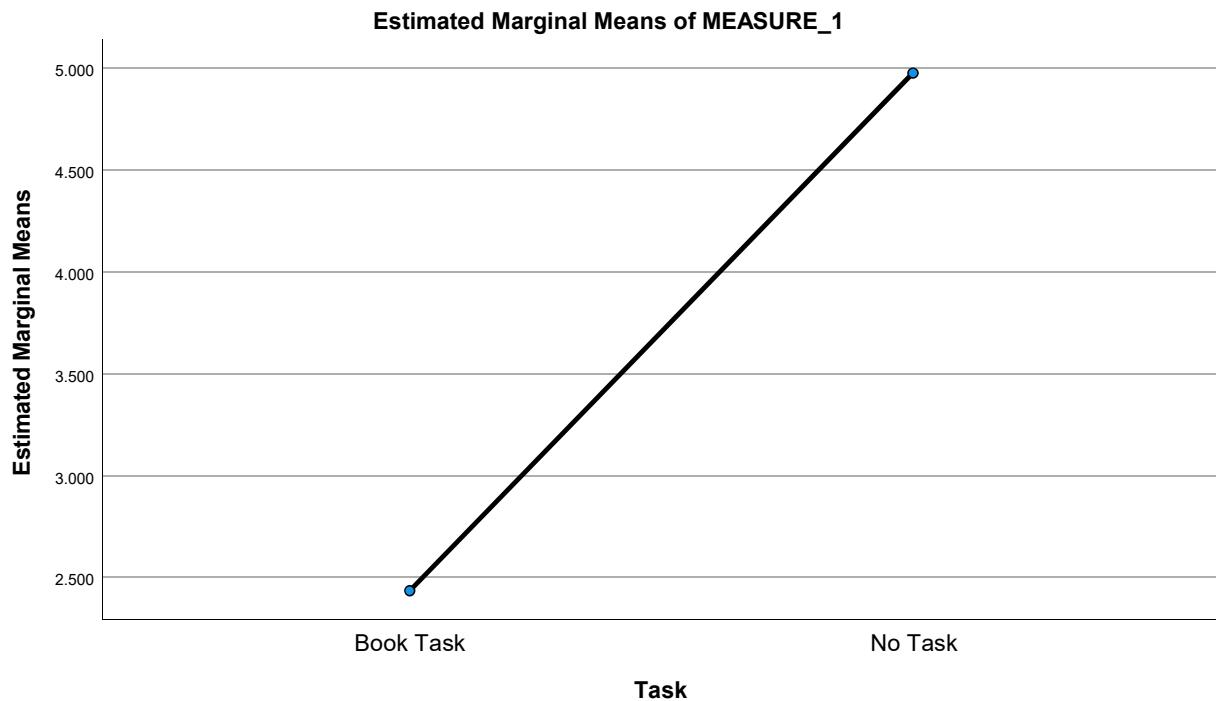
Information	Time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Given	1	.478	.261	-.043	.999
	2	11.680	2.283	7.127	16.233
	3	1.169	1.520	-1.862	4.200
Not Given	1	.389	.270	-.149	.927
	2	4.503	2.357	-.198	9.204
	3	4.013	1.569	.884	7.142

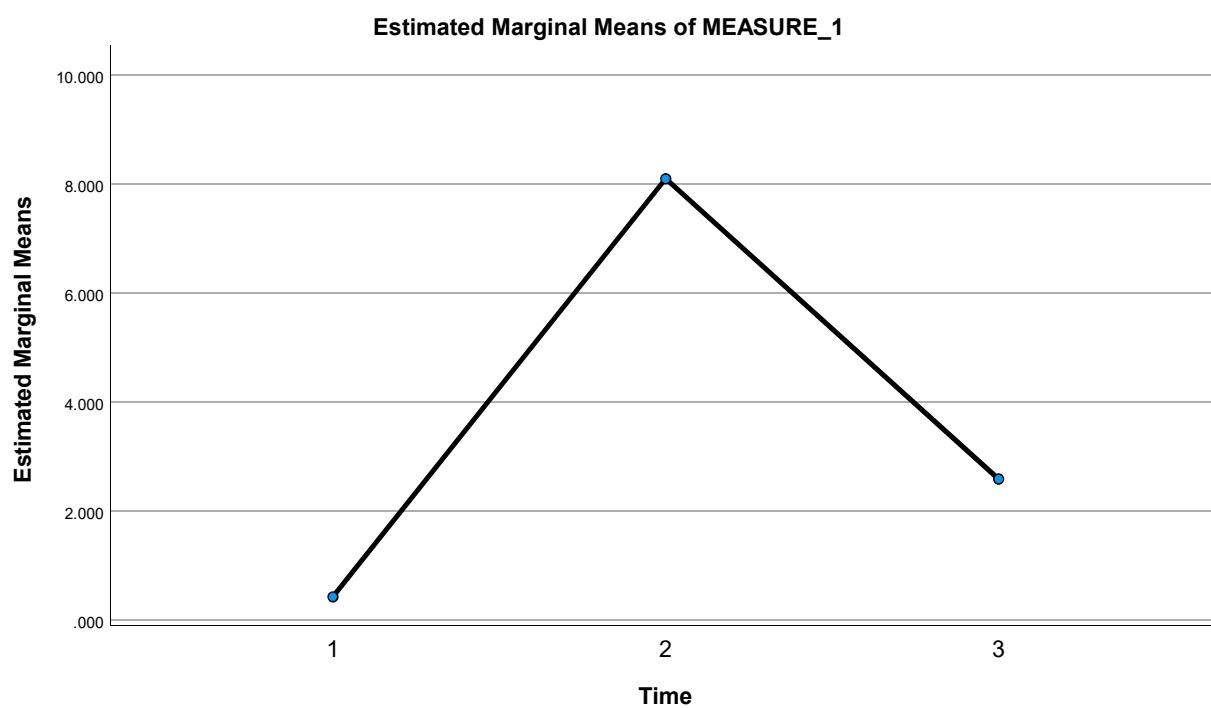
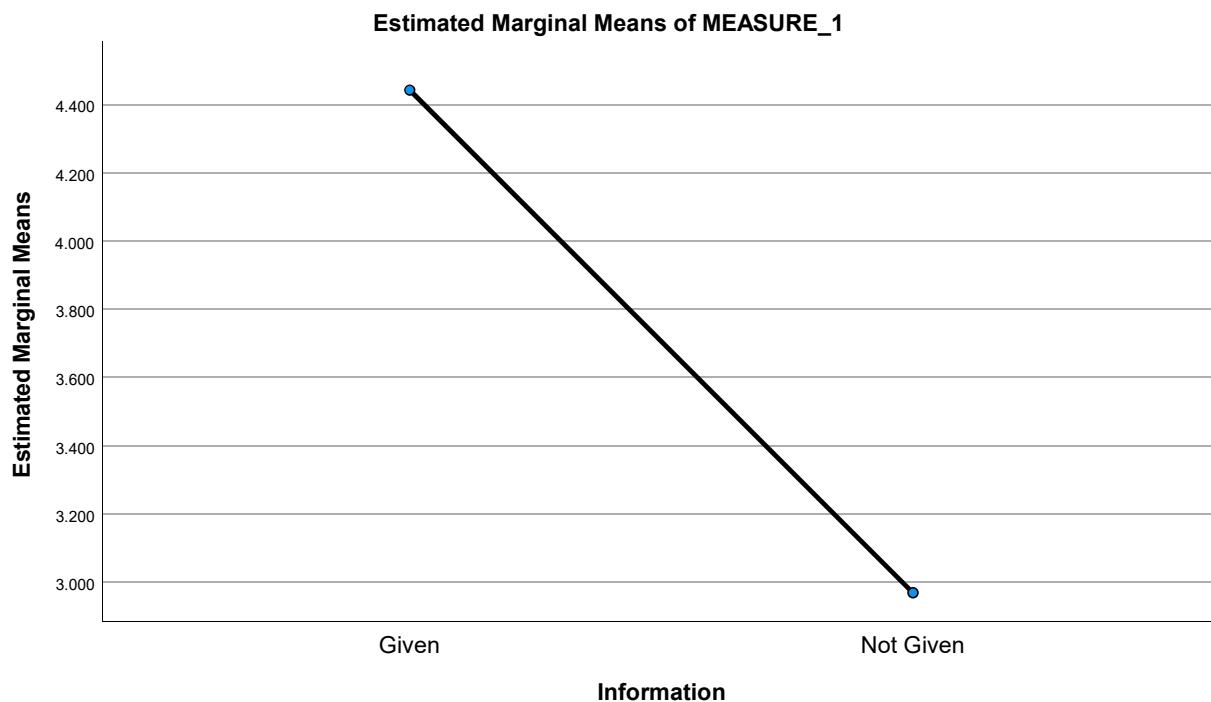
8. Task * Information * Time

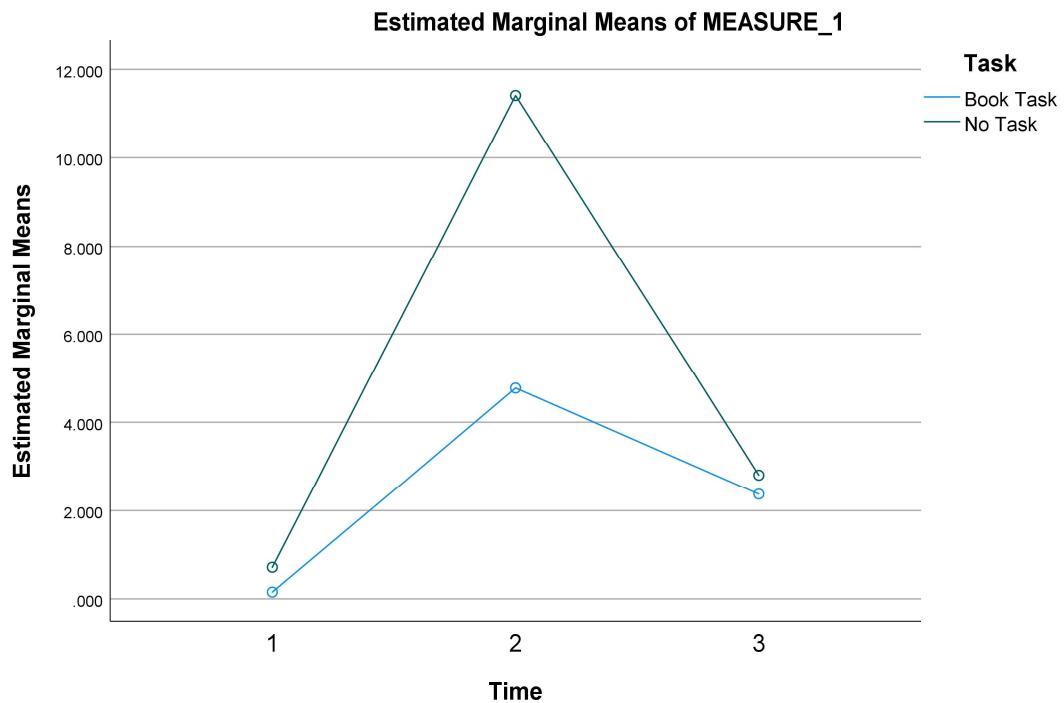
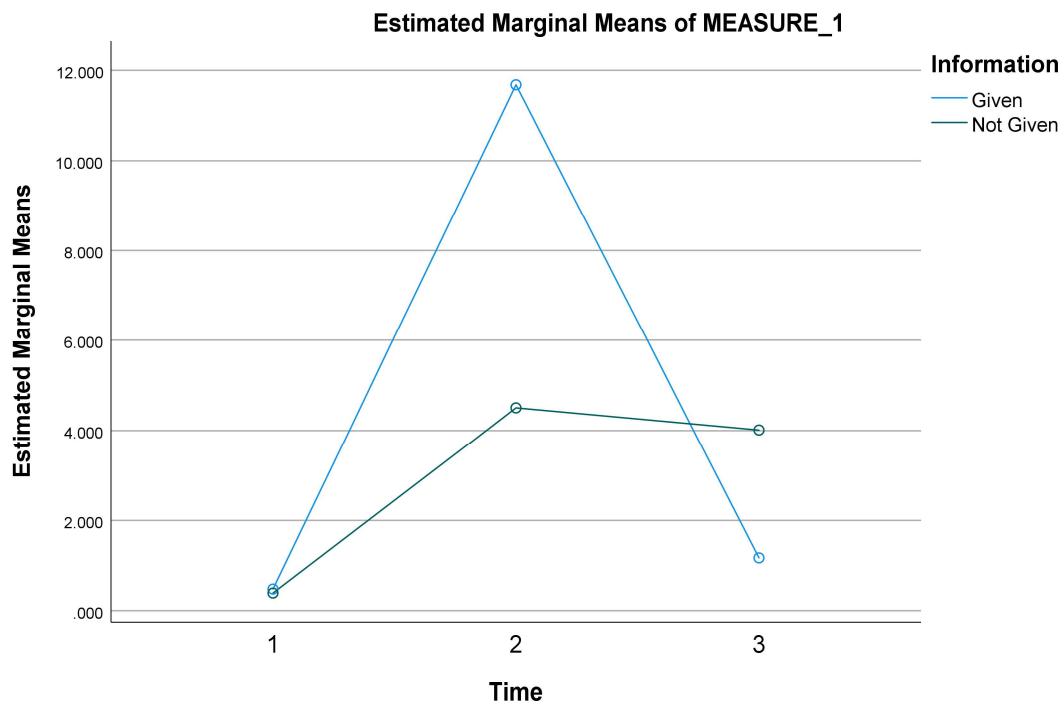
Measure: MEASURE_1

Task	Information	Time	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
Book Task	Given	1	.241	.360	-.476	.958
		2	9.193	3.143	2.925	15.460
		3	.942	2.092	-3.230	5.114
	Not Given	1	.063	.360	-.654	.780
		2	.351	3.143	-5.916	6.619
		3	3.811	2.092	-.361	7.983
No Task	Given	1	.715	.379	-.041	1.470
		2	14.167	3.313	7.561	20.774
		3	1.396	2.205	-3.002	5.794
	Not Given	1	.715	.402	-.087	1.517
		2	8.655	3.513	1.647	15.662
		3	4.215	2.339	-.450	8.880

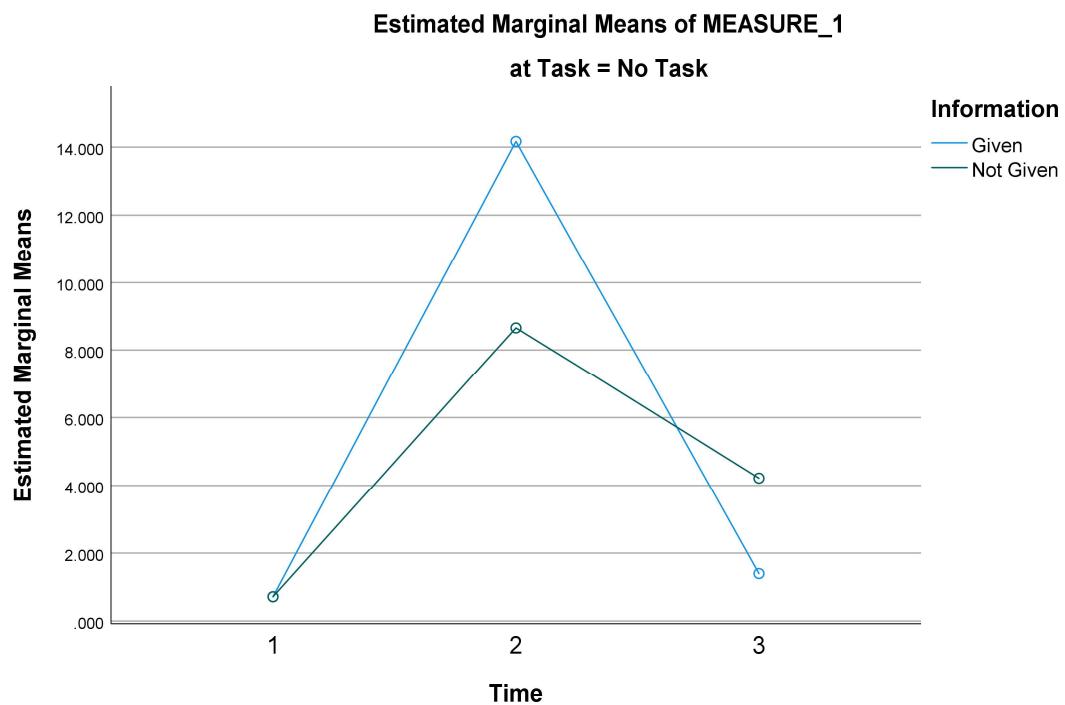
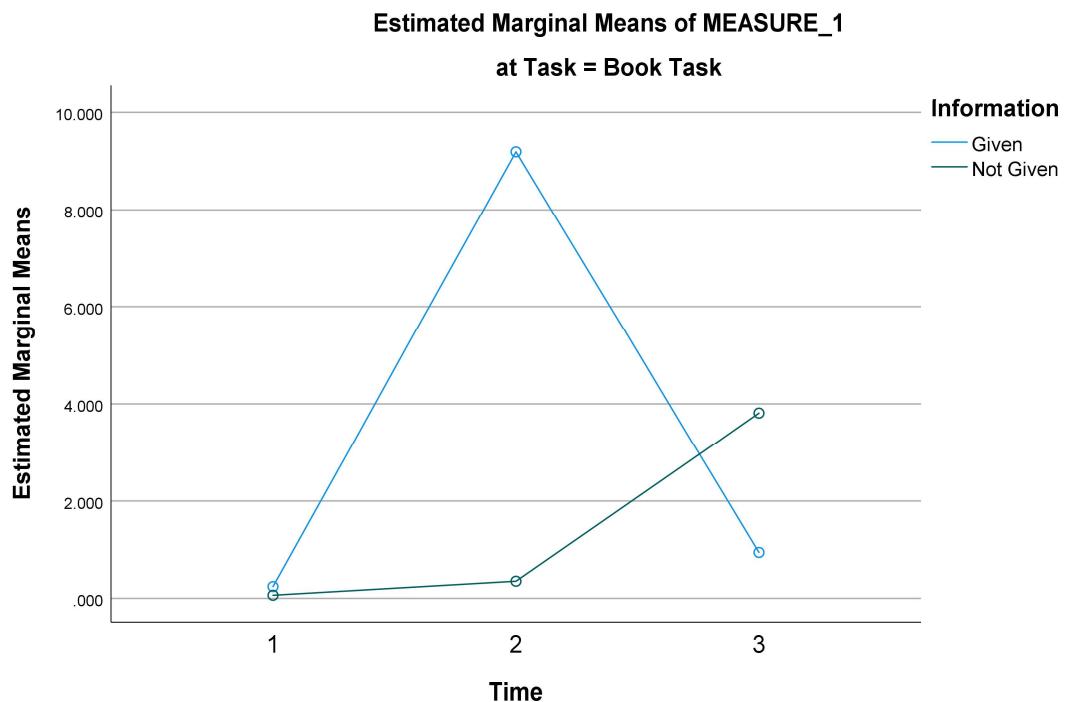
Profile Plots







Time * Information * Task



Time Spent In Cover (Group 1,2,3,4)

Between-Subjects Factors

		N
Information	Given	38
	Not Given	36
Task	Book Task	40
	No Task	34

Descriptive Statistics

Dependent Variable: AverageDurationInTableCover

Information	Task	Mean	Std. Deviation	N
Given	Book Task	6.080008333	10.46993390	20
	No Task	12.14576111	16.98062156	18
	Total	8.953259649	14.07810749	38
Not Given	Book Task	1.652566667	5.288296313	20
	No Task	10.37556250	16.29833805	16
	Total	5.529453704	12.17990642	36
Total	Book Task	3.866287500	8.488527218	40
	No Task	11.31272647	16.43433808	34
	Total	7.287624324	13.21171448	74

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

		Levene Statistic	df1	df2	Sig.
AverageDurationInTableCover	Based on Mean	6.299	3	70	.001
	Based on Median	2.309	3	70	.084
	Based on Median and with adjusted df	2.309	3	48.577	.088
	Based on trimmed mean	5.601	3	70	.002

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

- a. Dependent variable: AverageDurationInTableCover
- b. Design: Intercept + Information + Task + Information * Task

Tests of Between-Subjects Effects

Dependent Variable: AverageDurationInTableCover

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	1241.637 ^a	3	413.879	2.519	.065	.097
Intercept	4197.547	1	4197.547	25.549	.000	.267
Information	176.151	1	176.151	1.072	.304	.015
Task	1002.988	1	1002.988	6.105	.016	.080
Information * Task	32.381	1	32.381	.197	.658	.003
Error	11500.469	70	164.292			
Total	16672.207	74				
Corrected Total	12742.106	73				

Tests of Between-Subjects Effects

Dependent Variable: AverageDurationInTableCover

Source	Noncent. Parameter	Observed Power ^b
Corrected Model	7.557	.600
Intercept	25.549	.999
Information	1.072	.175
Task	6.105	.683
Information * Task	.197	.072
Error		
Total		
Corrected Total		

a. R Squared = .097 (Adjusted R Squared = .059)

b. Computed using alpha = .05

Estimated Marginal Means

1. Grand Mean

Dependent Variable: AverageDurationInTableCover

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
7.563	1.496	4.579	10.548

2. Information

Estimates

Dependent Variable: AverageDurationInTableCover

Information	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Given	9.113	2.082	4.960	13.266
Not Given	6.014	2.150	1.727	10.301

Pairwise Comparisons

Dependent Variable: AverageDurationInTableCover

(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	3.099	2.993	.304	-2.870	9.068
Not Given	Given	-3.099	2.993	.304	-9.068	2.870

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Dependent Variable: AverageDurationInTableCover

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	176.151	1	176.151	1.072	.304	.015
Error	11500.469	70	164.292			

Univariate Tests

Dependent Variable: AverageDurationInTableCover

	Noncent. Parameter	Observed Power ^a
Contrast	1.072	.175
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: AverageDurationInTableCover

Task	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Book Task	3.866	2.027	-.176	7.908
No Task	11.261	2.202	6.869	15.652

Pairwise Comparisons

Dependent Variable: AverageDurationInTableCover

(I) Task	(J) Task	Mean Difference (I-J)	95% Confidence Interval for Difference ^b			
			Std. Error	Sig. ^b	Lower Bound	Upper Bound
Book Task	No Task	-7.394*	2.993	.016	-13.363	-1.426
No Task	Book Task	7.394*	2.993	.016	1.426	13.363

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Dependent Variable: AverageDurationInTableCover

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	1002.988	1	1002.988	6.105	.016	.080
Error	11500.469	70	164.292			

Univariate Tests

Dependent Variable: AverageDurationInTableCover

	Noncent. Parameter	Observed Power ^a
Contrast	6.105	.683
Error		

The F tests the effect of Task. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

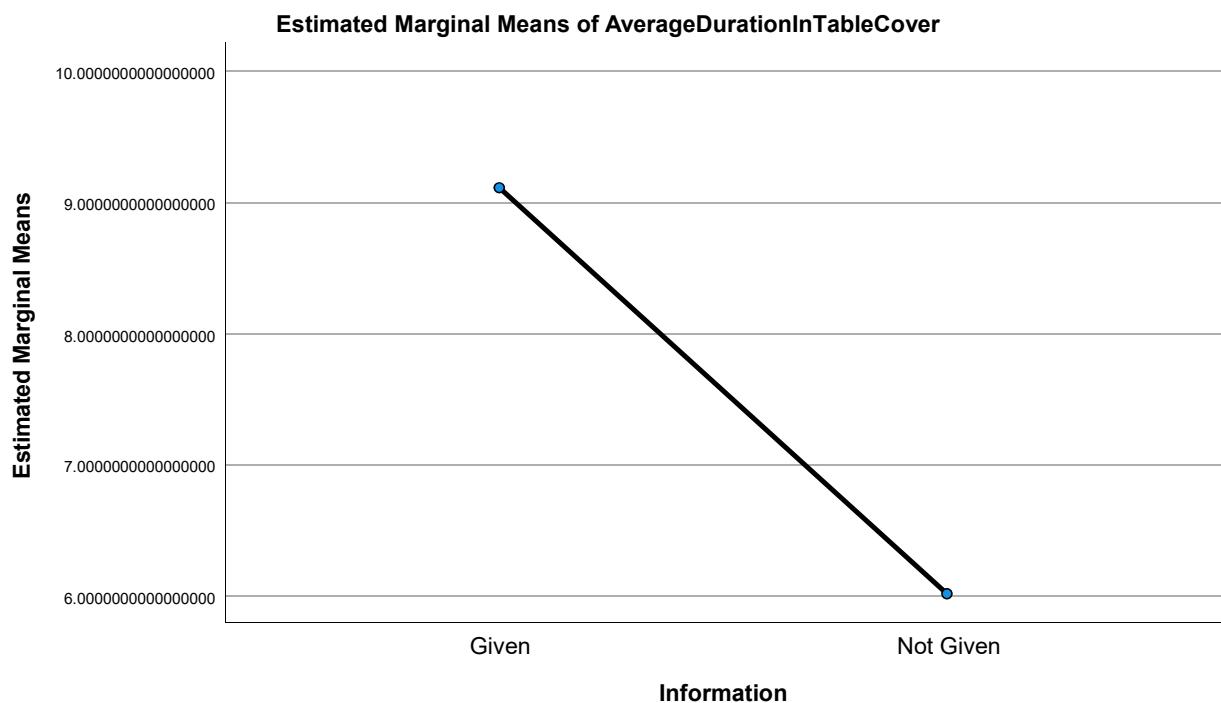
a. Computed using alpha = .05

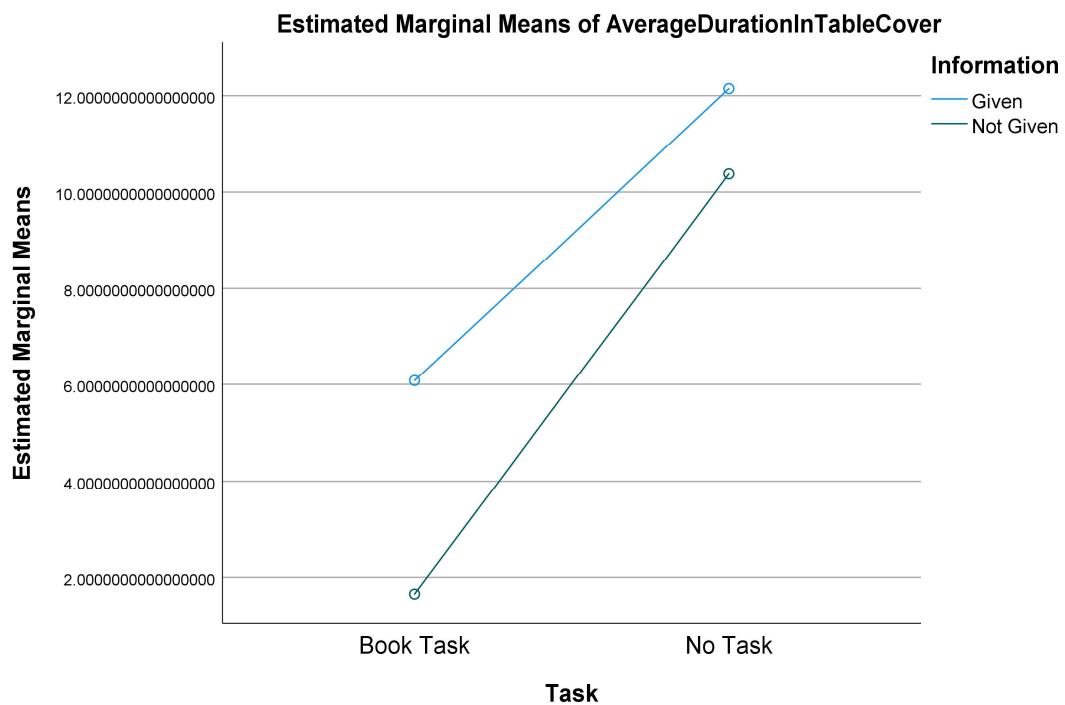
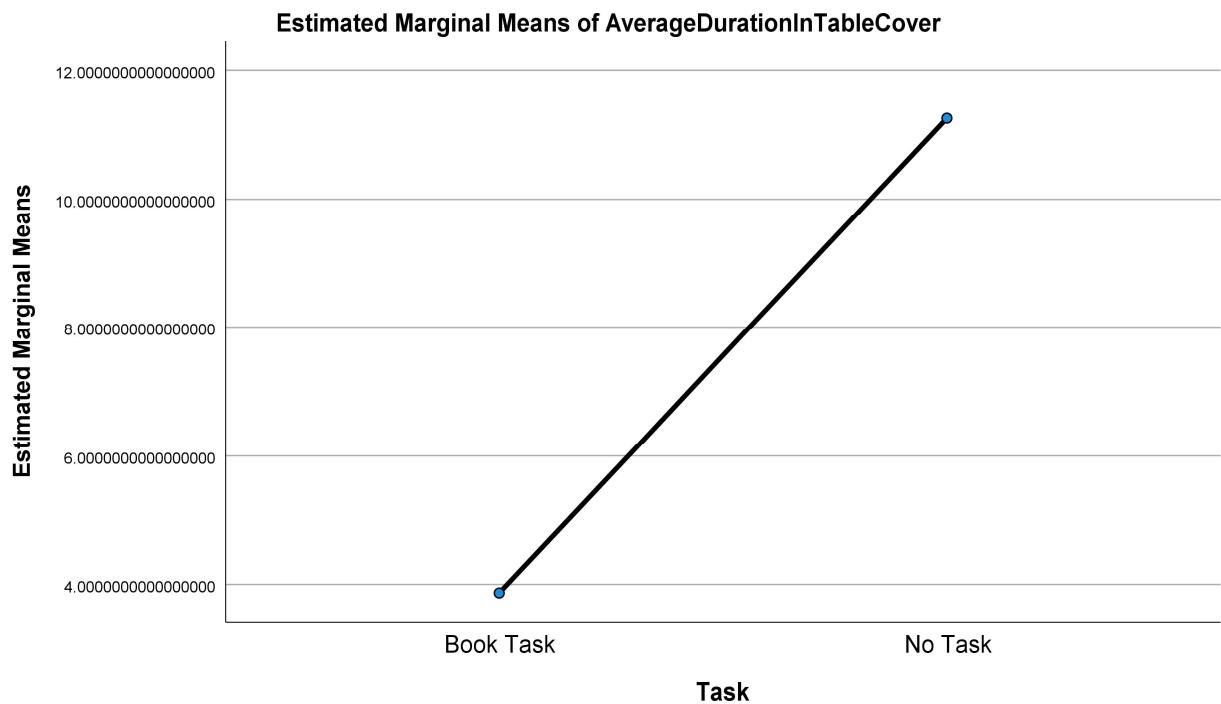
4. Information * Task

Dependent Variable: AverageDurationInTableCover

Information	Task	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Given	Book Task	6.080	2.866	.364	11.796
	No Task	12.146	3.021	6.120	18.171
Not Given	Book Task	1.653	2.866	-4.064	7.369
	No Task	10.376	3.204	3.985	16.767

Profile Plots





Sitting transitions

Between-Subjects Factors

		N
Information	Given	38
	Not Given	36
Task	Book Task	40
	No Task	34

Descriptive Statistics

Dependent Variable: SittingTransitions

Information	Task	Mean	Std. Deviation	N
Given	Book Task	10.55	7.584	20
	No Task	10.83	10.268	18
	Total	10.68	8.832	38
Not Given	Book Task	2.75	4.734	20
	No Task	5.25	5.066	16
	Total	3.86	4.975	36
Total	Book Task	6.65	7.385	40
	No Task	8.21	8.602	34
	Total	7.36	7.949	74

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

		Levene Statistic	df1	df2	Sig.
SittingTransitions	Based on Mean	1.296	3	70	.283
	Based on Median	1.219	3	70	.309
	Based on Median and with adjusted df	1.219	3	44.334	.314
	Based on trimmed mean	1.152	3	70	.334

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	916.949 ^a	3	305.650	5.789	.001	.199
Intercept	3959.451	1	3959.451	74.986	.000	.517
Information	821.413	1	821.413	15.556	.000	.182
Task	35.527	1	35.527	.673	.415	.010
Information * Task	22.534	1	22.534	.427	.516	.006
Error	3696.200	70	52.803			
Total	8627.000	74				
Corrected Total	4613.149	73				

Tests of Between-Subjects Effects

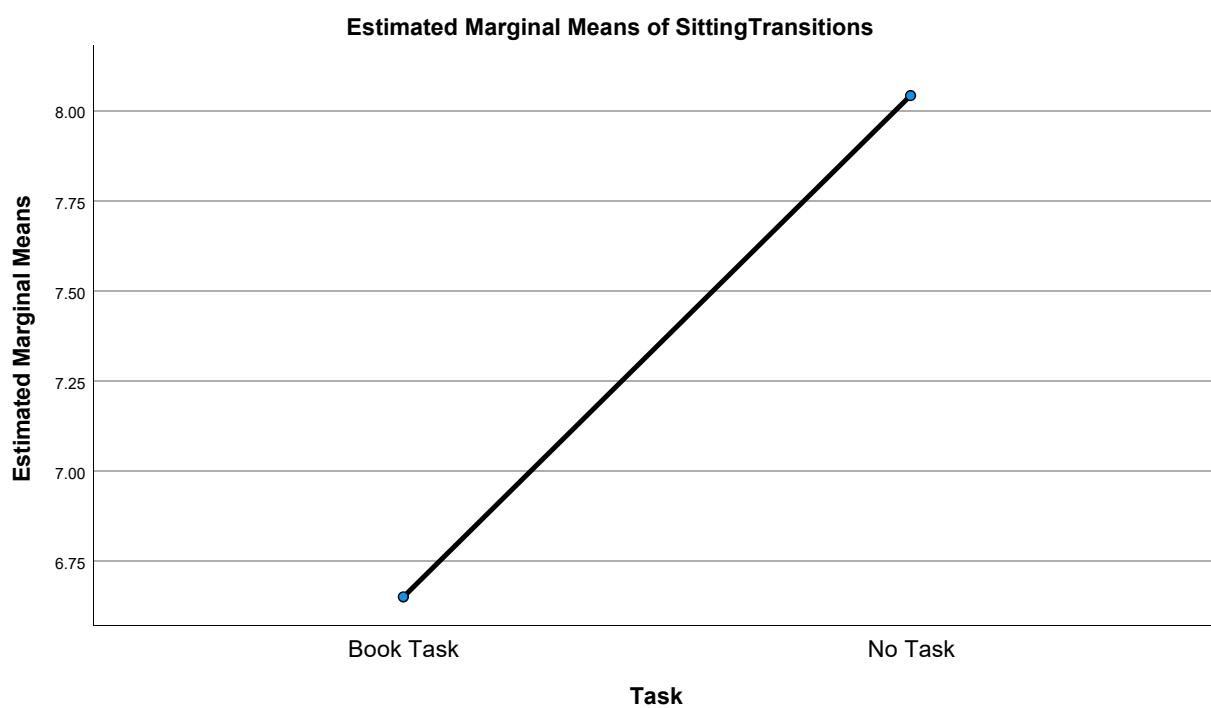
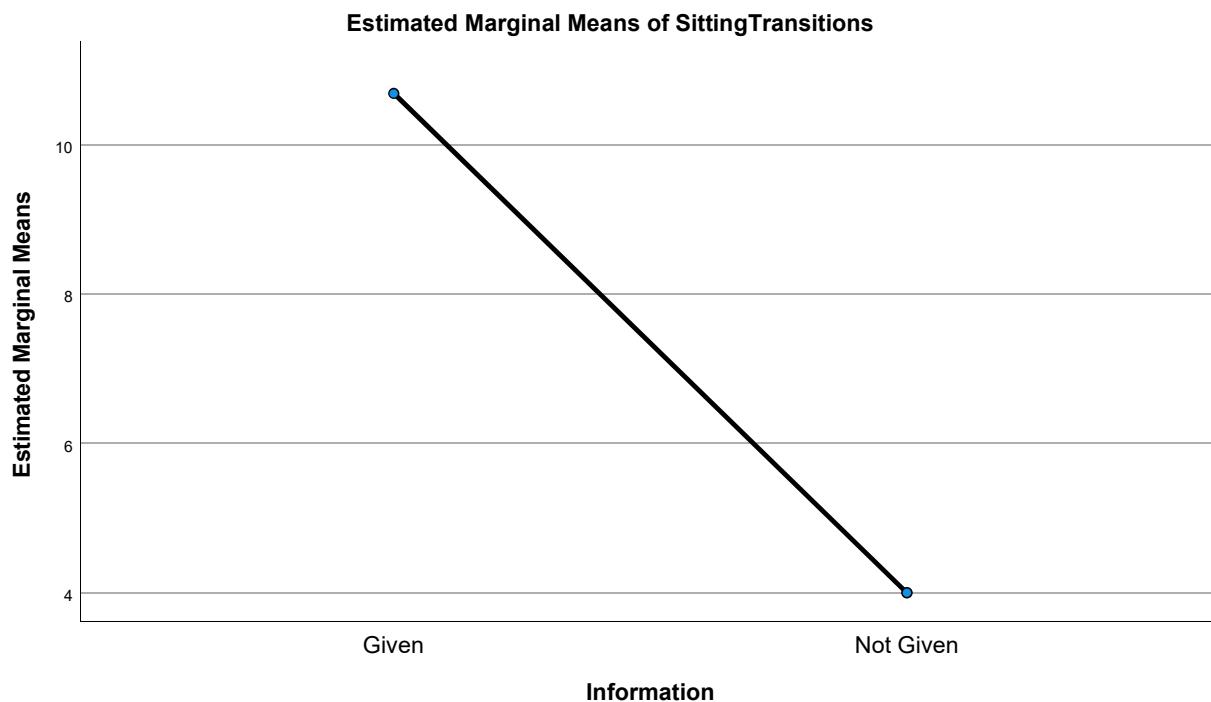
Dependent Variable: SittingTransitions

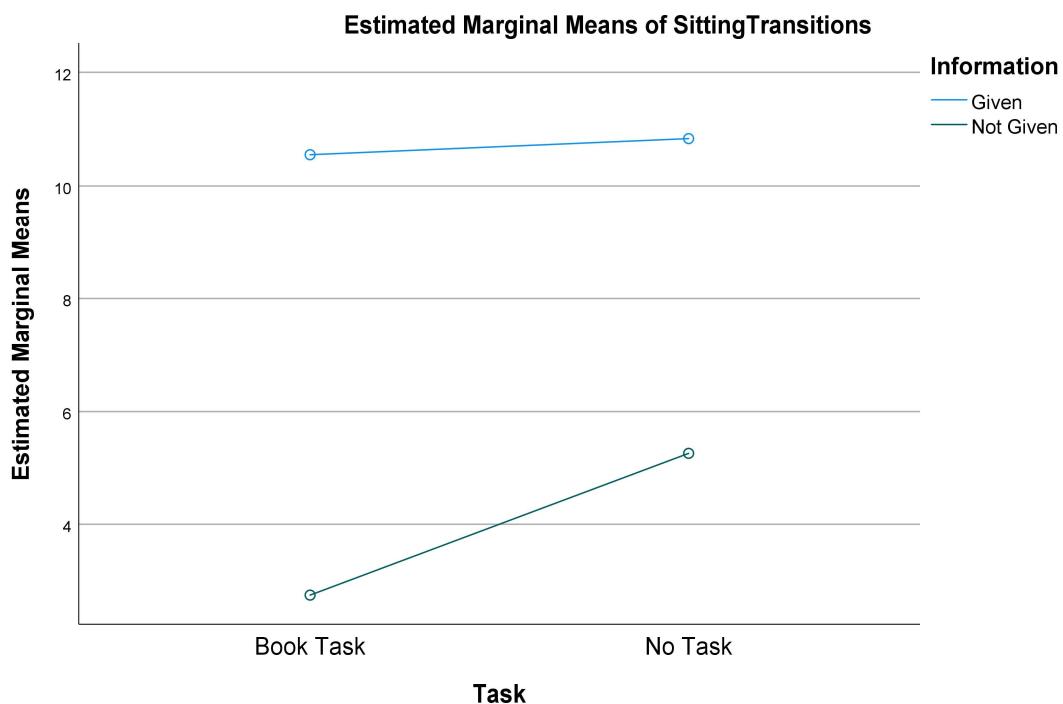
Source	Noncent. Parameter	Observed Power ^b
Corrected Model	17.366	.940
Intercept	74.986	1.000
Information	15.556	.973
Task	.673	.128
Information * Task	.427	.099
Error		
Total		
Corrected Total		

a. R Squared = .199 (Adjusted R Squared = .164)

b. Computed using alpha = .05

Profile Plots





Total Seated Duration Across Time (Group 1,2,3,4)

Warnings

Post hoc tests are not performed for Task because there are fewer than three groups.

Post hoc tests are not performed for Information because there are fewer than three groups.

Within-Subjects Factors

Measure: MEASURE_1

Time	Dependent Variable
1	TotalSeatedDurationBeforeEarthquake
2	TotalSeatedDurationDuringEarthquake
3	TotalSeatedDurationAfterEarthquake

Between-Subjects Factors

N		
Task	Book Task	40
	No Task	34
Information	Given	38
	Not Given	36

Descriptive Statistics

	Task	Information	Mean	Std. Deviation	N
TotalSeatedDurationBeforeEarthquake	Book Task	Given	2.61440	4.888134	20
		Not Given	1.89845	6.750083	20
		Total	2.25643	5.828352	40
	No Task	Given	.88111	3.506639	18
		Not Given	3.88219	10.926152	16
		Total	2.29338	7.931607	34
	Total	Given	1.79337	4.323055	38
		Not Given	2.78011	8.769103	36
		Total	2.27341	6.825502	74
TotalSeatedDurationDuringEarthquake	Book Task	Given	28.50330	18.491100	20
		Not Given	2.87925	5.802549	20
		Total	15.69128	18.743981	40
	No Task	Given	38.24411	14.877809	18
		Not Given	15.07425	20.044009	16
		Total	27.34065	20.843386	34
	Total	Given	33.11737	17.365955	38
		Not Given	8.29925	15.107325	36
		Total	21.04369	20.451402	74
TotalSeatedDurationAfterEarthquake	Book Task	Given	6.08060	8.815506	20
		Not Given	4.16890	16.736646	20
		Total	5.12475	13.238722	40
	No Task	Given	17.96650	16.518741	18
		Not Given	13.49088	20.367508	16
		Total	15.86032	18.283108	34
	Total	Given	11.71076	14.193366	38
		Not Given	8.31200	18.759500	36
		Total	10.05731	16.545669	74

Box's Test of Equality of Covariance Matrices^a

Box's M	96.365
F	4.929
df1	18
df2	16056.615
Sig.	.000

Tests the null hypothesis that the observed covariance matrices of the dependent variables are equal across groups.

a. Design: Intercept + Task + Information + Task * Information
Within Subjects Design: Time

Multivariate Tests^a

Effect		Value	F	Hypothesis df	Error df
Time	Pillai's Trace	.609	53.632 ^b	2.000	69.000
	Wilks' Lambda	.391	53.632 ^b	2.000	69.000
	Hotelling's Trace	1.555	53.632 ^b	2.000	69.000
	Roy's Largest Root	1.555	53.632 ^b	2.000	69.000
Time * Task	Pillai's Trace	.160	6.548 ^b	2.000	69.000
	Wilks' Lambda	.840	6.548 ^b	2.000	69.000
	Hotelling's Trace	.190	6.548 ^b	2.000	69.000
	Roy's Largest Root	.190	6.548 ^b	2.000	69.000
Time * Information	Pillai's Trace	.399	22.952 ^b	2.000	69.000
	Wilks' Lambda	.601	22.952 ^b	2.000	69.000
	Hotelling's Trace	.665	22.952 ^b	2.000	69.000
	Roy's Largest Root	.665	22.952 ^b	2.000	69.000
Time * Task * Information	Pillai's Trace	.008	.293 ^b	2.000	69.000
	Wilks' Lambda	.992	.293 ^b	2.000	69.000
	Hotelling's Trace	.008	.293 ^b	2.000	69.000
	Roy's Largest Root	.008	.293 ^b	2.000	69.000

Multivariate Tests^a

Effect		Sig.	Partial Eta Squared	Noncent. Parameter
Time	Pillai's Trace	.000	.609	107.265
	Wilks' Lambda	.000	.609	107.265
	Hotelling's Trace	.000	.609	107.265
	Roy's Largest Root	.000	.609	107.265
Time * Task	Pillai's Trace	.002	.160	13.097
	Wilks' Lambda	.002	.160	13.097
	Hotelling's Trace	.002	.160	13.097
	Roy's Largest Root	.002	.160	13.097
Time * Information	Pillai's Trace	.000	.399	45.903
	Wilks' Lambda	.000	.399	45.903
	Hotelling's Trace	.000	.399	45.903
	Roy's Largest Root	.000	.399	45.903
Time * Task * Information	Pillai's Trace	.747	.008	.586
	Wilks' Lambda	.747	.008	.586
	Hotelling's Trace	.747	.008	.586
	Roy's Largest Root	.747	.008	.586

Multivariate Tests^a

Effect		Observed Power ^c
Time	Pillai's Trace	1.000
	Wilks' Lambda	1.000
	Hotelling's Trace	1.000
	Roy's Largest Root	1.000
Time * Task	Pillai's Trace	.897
	Wilks' Lambda	.897
	Hotelling's Trace	.897
	Roy's Largest Root	.897
Time * Information	Pillai's Trace	1.000
	Wilks' Lambda	1.000
	Hotelling's Trace	1.000
	Roy's Largest Root	1.000
Time * Task * Information	Pillai's Trace	.095
	Wilks' Lambda	.095
	Hotelling's Trace	.095
	Roy's Largest Root	.095

a. Design: Intercept + Task + Information + Task * Information
 Within Subjects Design: Time

b. Exact statistic

c. Computed using alpha = .05

Mauchly's Test of Sphericity^a

Measure: MEASURE_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon ^b Greenhouse- Geisser
Time	.834	12.540	2	.002	.858

Mauchly's Test of Sphericity^a

Measure: MEASURE_1

Within Subjects Effect	Huynh-Feldt	Lower-bound	Epsilon ^b
Time	.915	.500	

Tests the null hypothesis that the error covariance matrix of the orthonormalized transformed dependent variables is proportional to an identity matrix.

- a. Design: Intercept + Task + Information + Task * Information
Within Subjects Design: Time
- b. May be used to adjust the degrees of freedom for the averaged tests of significance. Corrected tests are displayed in the Tests of Within-Subjects Effects table.

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F
Time	Sphericity Assumed	13129.886	2	6564.943	37.252
	Greenhouse-Geisser	13129.886	1.715	7655.884	37.252
	Huynh-Feldt	13129.886	1.829	7177.736	37.252
	Lower-bound	13129.886	1.000	13129.886	37.252
Time * Task	Sphericity Assumed	1391.081	2	695.540	3.947
	Greenhouse-Geisser	1391.081	1.715	811.123	3.947
	Huynh-Feldt	1391.081	1.829	760.464	3.947
	Lower-bound	1391.081	1.000	1391.081	3.947
Time * Information	Sphericity Assumed	6852.379	2	3426.190	19.442
	Greenhouse-Geisser	6852.379	1.715	3995.543	19.442
	Huynh-Feldt	6852.379	1.829	3746.001	19.442
	Lower-bound	6852.379	1.000	6852.379	19.442
Time * Task * Information	Sphericity Assumed	101.238	2	50.619	.287
	Greenhouse-Geisser	101.238	1.715	59.031	.287
	Huynh-Feldt	101.238	1.829	55.344	.287
	Lower-bound	101.238	1.000	101.238	.287
Error(Time)	Sphericity Assumed	24672.164	140	176.230	
	Greenhouse-Geisser	24672.164	120.050	205.515	
	Huynh-Feldt	24672.164	128.048	192.680	
	Lower-bound	24672.164	70.000	352.459	

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Sig.	Partial Eta Squared	Noncent. Parameter
Time	Sphericity Assumed	.000	.347	74.504
	Greenhouse-Geisser	.000	.347	63.888
	Huynh-Feldt	.000	.347	68.144
	Lower-bound	.000	.347	37.252
Time * Task	Sphericity Assumed	.022	.053	7.894
	Greenhouse-Geisser	.028	.053	6.769
	Huynh-Feldt	.025	.053	7.220
	Lower-bound	.051	.053	3.947
Time * Information	Sphericity Assumed	.000	.217	38.883
	Greenhouse-Geisser	.000	.217	33.342
	Huynh-Feldt	.000	.217	35.564
	Lower-bound	.000	.217	19.442
Time * Task * Information	Sphericity Assumed	.751	.004	.574
	Greenhouse-Geisser	.717	.004	.493
	Huynh-Feldt	.731	.004	.525
	Lower-bound	.594	.004	.287
Error(Time)	Sphericity Assumed			
	Greenhouse-Geisser			
	Huynh-Feldt			
	Lower-bound			

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Observed Power ^a
Time	Sphericity Assumed	1.000
	Greenhouse-Geisser	1.000
	Huynh-Feldt	1.000
	Lower-bound	1.000
Time * Task	Sphericity Assumed	.701
	Greenhouse-Geisser	.653
	Huynh-Feldt	.673
	Lower-bound	.500
Time * Information	Sphericity Assumed	1.000
	Greenhouse-Geisser	1.000
	Huynh-Feldt	1.000
	Lower-bound	.992
Time * Task * Information	Sphericity Assumed	.095
	Greenhouse-Geisser	.092
	Huynh-Feldt	.093
	Lower-bound	.083
Error(Time)	Sphericity Assumed	
	Greenhouse-Geisser	
	Huynh-Feldt	
	Lower-bound	

a. Computed using alpha = .05

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Time	Type III Sum of Squares	df	Mean Square	F
Time	Linear	2411.661	1	2411.661	15.712
	Quadratic	10718.226	1	10718.226	53.870
Time * Task	Linear	1007.114	1	1007.114	6.561
	Quadratic	383.966	1	383.966	1.930
Time * Information	Linear	172.459	1	172.459	1.124
	Quadratic	6679.920	1	6679.920	33.573
Time * Task * Information	Linear	90.459	1	90.459	.589
	Quadratic	10.779	1	10.779	.054
Error(Time)	Linear	10744.679	70	153.495	
	Quadratic	13927.486	70	198.964	

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Time	Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power ^a
Time	Linear	.000	.183	15.712	.974
	Quadratic	.000	.435	53.870	1.000
Time * Task	Linear	.013	.086	6.561	.714
	Quadratic	.169	.027	1.930	.278
Time * Information	Linear	.293	.016	1.124	.182
	Quadratic	.000	.324	33.573	1.000
Time * Task * Information	Linear	.445	.008	.589	.118
	Quadratic	.817	.001	.054	.056
Error(Time)	Linear				
	Quadratic				

a. Computed using alpha = .05

Levene's Test of Equality of Error Variances^a

		Levene Statistic	df1	df2	Sig.
TotalSeatedDurationBefore Earthquake	Based on Mean	2.719	3	70	.051
	Based on Median	.572	3	70	.635
	Based on Median and with adjusted df	.572	3	41.324	.636
	Based on trimmed mean	1.717	3	70	.171
TotalSeatedDurationDuring Earthquake	Based on Mean	8.134	3	70	.000
	Based on Median	4.142	3	70	.009
	Based on Median and with adjusted df	4.142	3	48.798	.011
	Based on trimmed mean	7.680	3	70	.000
TotalSeatedDurationAfterE arthquake	Based on Mean	2.144	3	70	.102
	Based on Median	2.047	3	70	.115
	Based on Median and with adjusted df	2.047	3	55.246	.118
	Based on trimmed mean	2.506	3	70	.066

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

- a. Design: Intercept + Task + Information + Task * Information
- Within Subjects Design: Time

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Intercept	28142.874	1	28142.874	148.871	.000	.680
Task	2878.549	1	2878.549	15.227	.000	.179
Information	4277.195	1	4277.195	22.626	.000	.244
Task * Information	19.892	1	19.892	.105	.747	.002
Error	13232.910	70	189.042			

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power ^a
Intercept	148.871	1.000
Task	15.227	.970
Information	22.626	.997
Task * Information	.105	.062
Error		

a. Computed using alpha = .05

Estimated Marginal Means

1. Grand Mean

Measure: MEASURE_1

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
11.307	.927	9.459	13.155

2. Task

Estimates

Measure: MEASURE_1

Task	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Book Task	7.691	1.255	5.188	10.194
No Task	14.923	1.364	12.203	17.643

Pairwise Comparisons

Measure: MEASURE_1

(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	-7.232*	1.853	.000	-10.929	-3.536
No Task	Book Task	7.232*	1.853	.000	3.536	10.929

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: MEASURE_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	959.516	1	959.516	15.227	.000	.179
Error	4410.970	70	63.014			

Univariate Tests

Measure: MEASURE_1

	Noncent. Parameter	Observed Power ^a
Contrast	15.227	.970
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

3. Information

Estimates

Measure: MEASURE_1

Information	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Given	15.715	1.290	13.143	18.287
Not Given	6.899	1.331	4.244	9.554

Pairwise Comparisons

Measure: MEASURE_1

(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	8.816 [*]	1.853	.000	5.120	12.513
Not Given	Given	-8.816 [*]	1.853	.000	-12.513	-5.120

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Bonferroni.

Univariate Tests

Measure: MEASURE_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	1425.732	1	1425.732	22.626	.000	.244
Error	4410.970	70	63.014			

Univariate Tests

Measure: MEASURE_1

	Noncent. Parameter	Observed Power ^a
Contrast	22.626	.997
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

4. Time

Estimates

Measure: MEASURE_1

Time	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	2.319	.804	.716	3.922
2	21.175	1.815	17.555	24.796
3	10.427	1.854	6.729	14.125

Pairwise Comparisons

Measure: MEASURE_1

(I) Time	(J) Time	Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence Interval for Difference ^b	
					Lower Bound	Upper Bound
1	2	-18.856 [*]	1.872	.000	-23.448	-14.264
	3	-8.108 [*]	2.045	.001	-13.125	-3.090
2	1	18.856 [*]	1.872	.000	14.264	23.448
	3	10.749 [*]	2.593	.000	4.389	17.108
3	1	8.108 [*]	2.045	.001	3.090	13.125
	2	-10.749 [*]	2.593	.000	-17.108	-4.389

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.609	53.632 ^a	2.000	69.000	.000	.609
Wilks' lambda	.391	53.632 ^a	2.000	69.000	.000	.609
Hotelling's trace	1.555	53.632 ^a	2.000	69.000	.000	.609
Roy's largest root	1.555	53.632 ^a	2.000	69.000	.000	.609

Multivariate Tests

	Noncent. Parameter	Observed Power ^b
Pillai's trace	107.265	1.000
Wilks' lambda	107.265	1.000
Hotelling's trace	107.265	1.000
Roy's largest root	107.265	1.000

Each F tests the multivariate effect of Time. These tests are based on the linearly independent pairwise comparisons among the estimated marginal means.

a. Exact statistic

b. Computed using alpha = .05

5. Task * Information

Measure: MEASURE_1

Task	Information	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Book Task	Given	12.399	1.775	8.859	15.940
	Not Given	2.982	1.775	-.558	6.522
No Task	Given	19.031	1.871	15.299	22.762
	Not Given	10.816	1.985	6.858	14.774

6. Task * Time

Measure: MEASURE_1

Task	Time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Book Task	1	2.256	1.089	.085	4.428
	2	15.691	2.459	10.788	20.595
	3	5.125	2.511	.116	10.134
No Task	1	2.382	1.183	.022	4.741
	2	26.659	2.671	21.331	31.987
	3	15.729	2.729	10.286	21.171

7. Information * Time

Measure: MEASURE_1

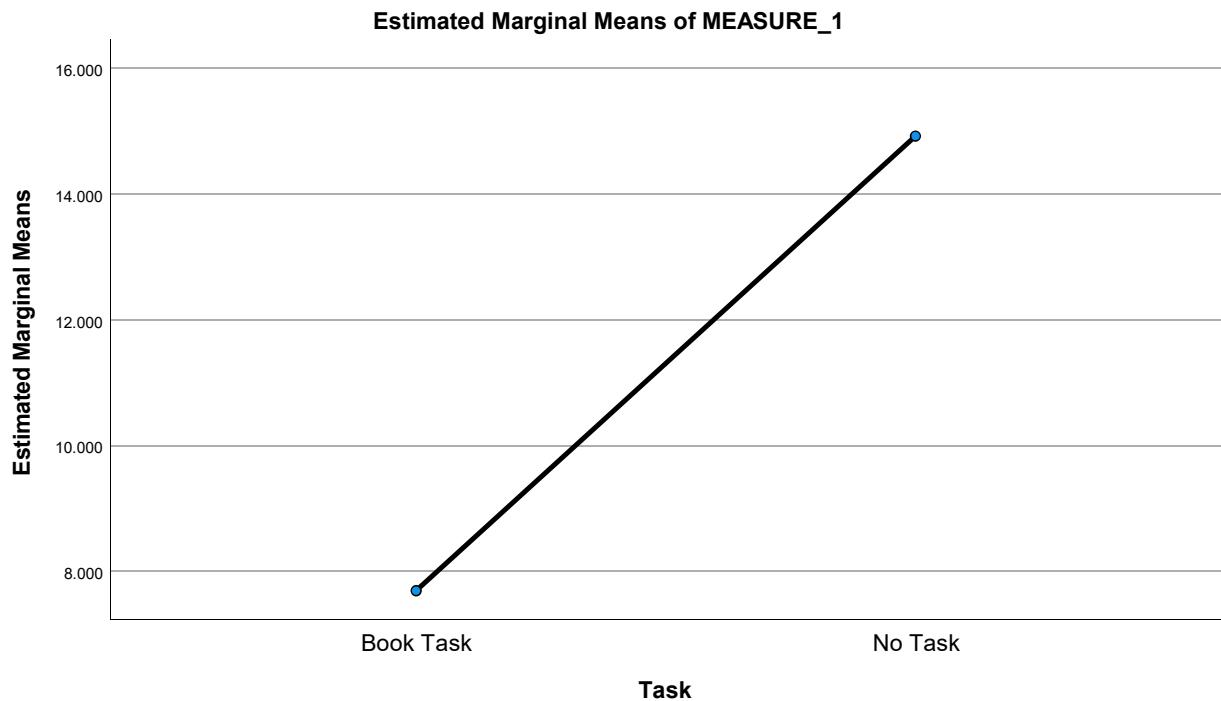
Information	Time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Given	1	1.748	1.119	-.483	3.979
	2	33.374	2.526	28.336	38.412
	3	12.024	2.580	6.877	17.170
Not Given	1	2.890	1.155	.587	5.194
	2	8.977	2.608	3.776	14.178
	3	8.830	2.664	3.517	14.143

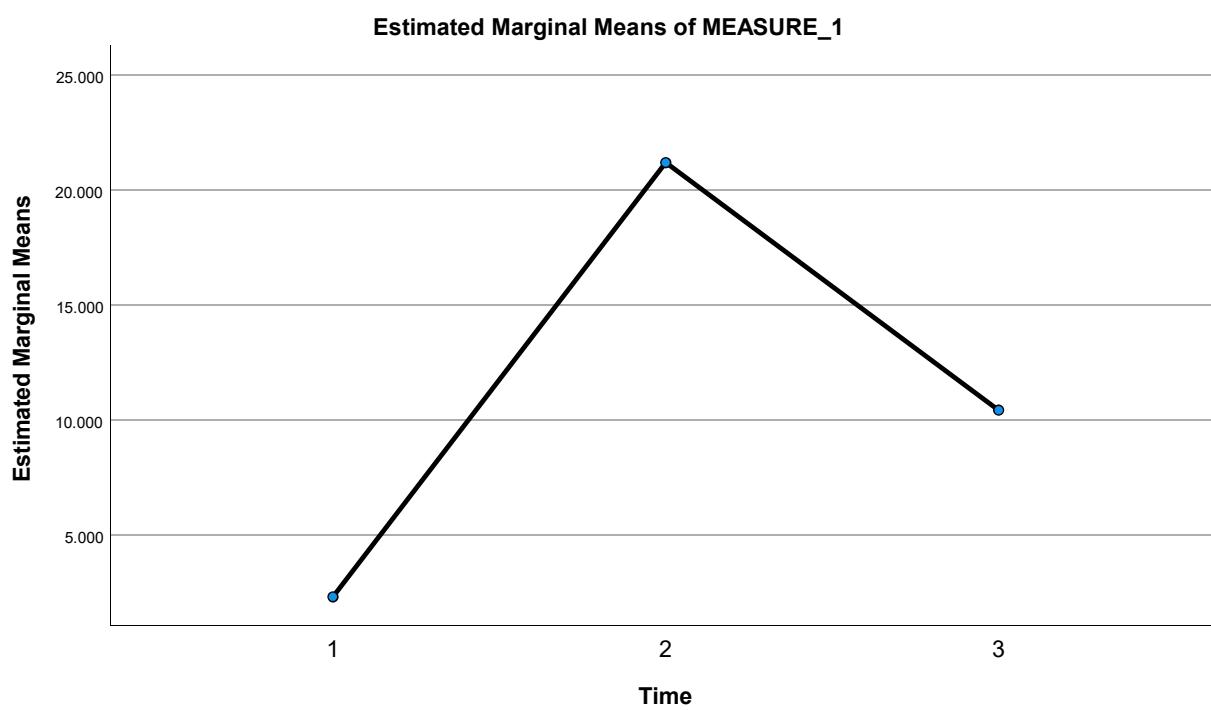
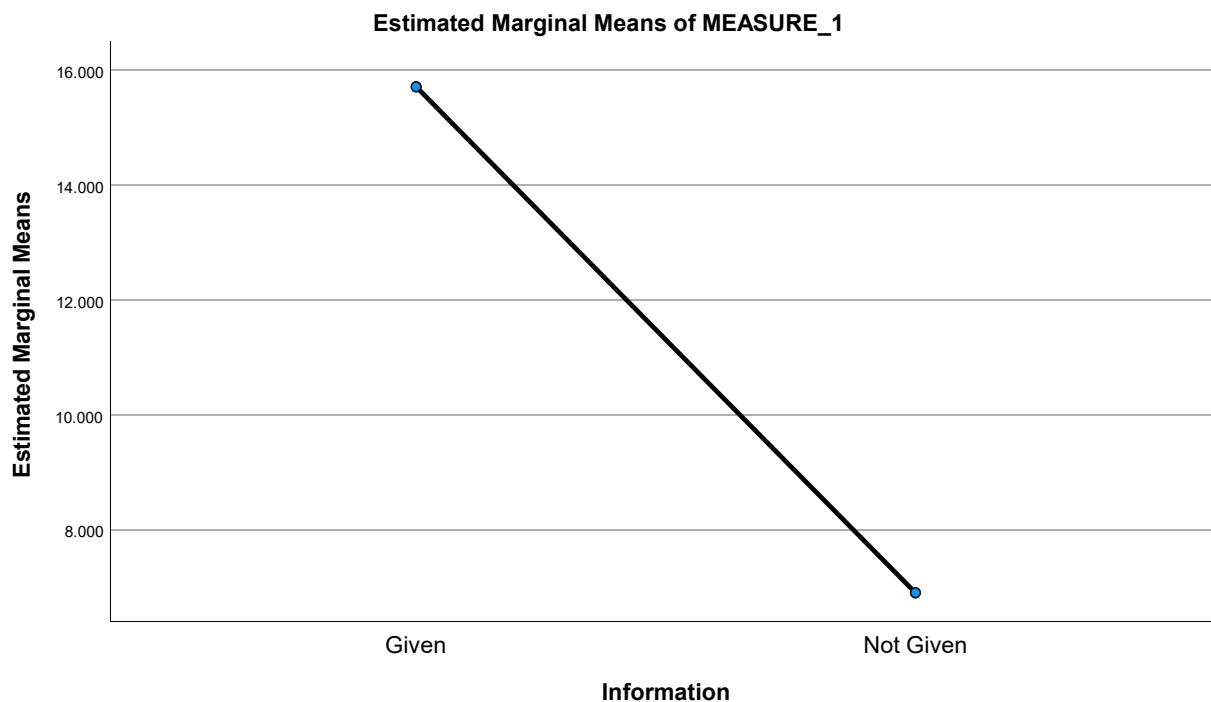
8. Task * Information * Time

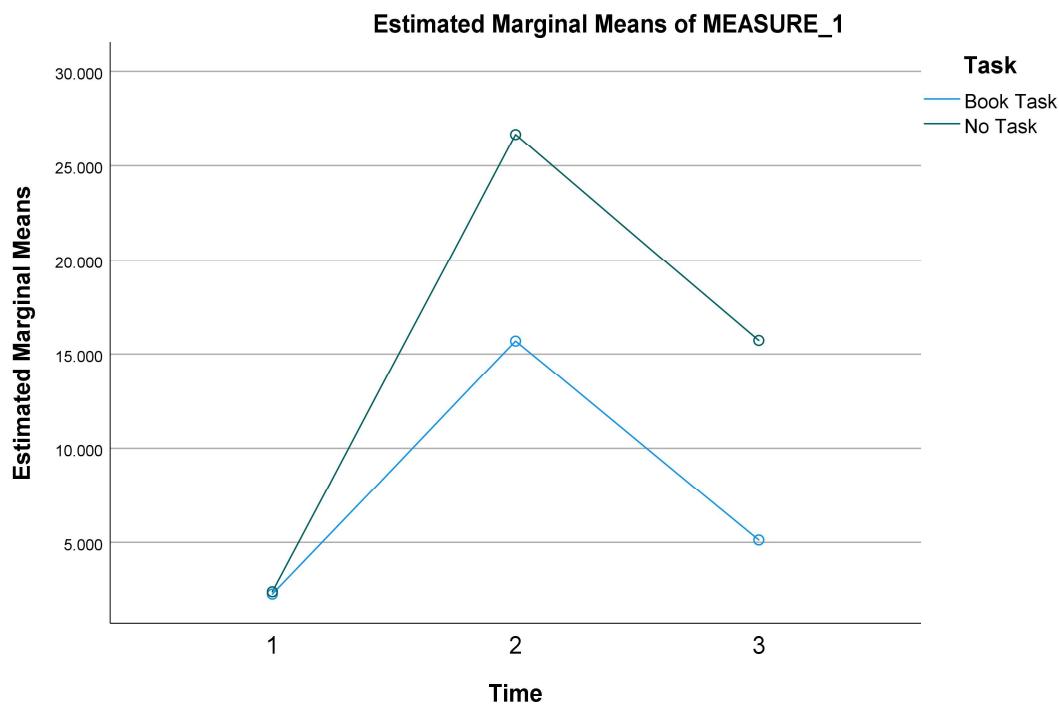
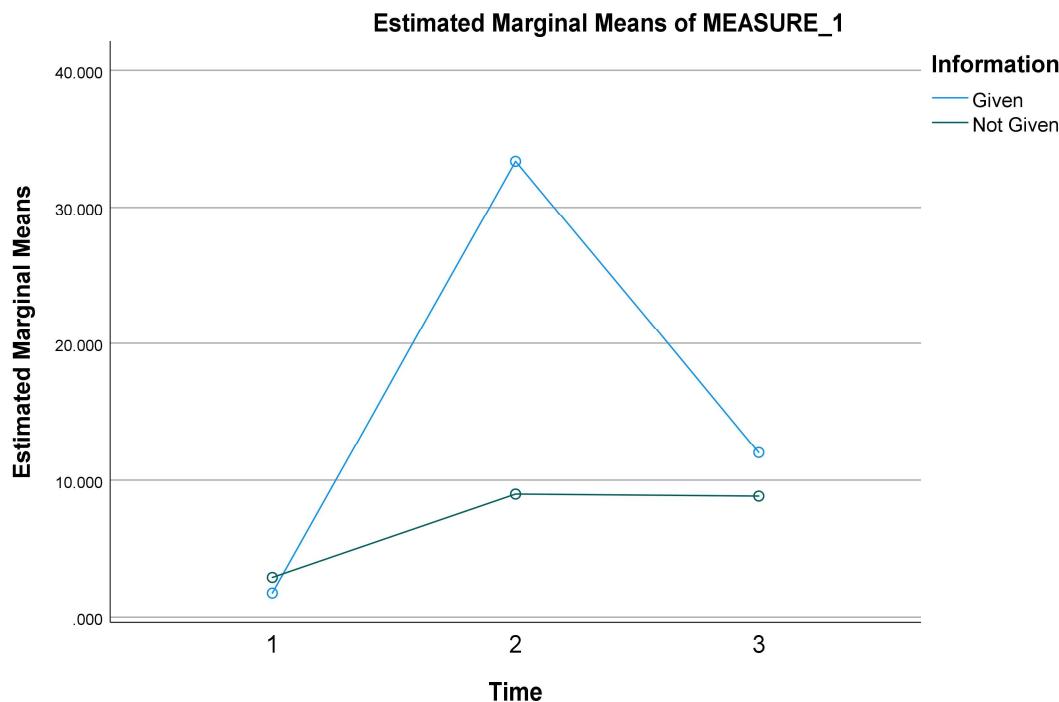
Measure: MEASURE_1

Task	Information	Time	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
Book Task	Given	1	2.614	1.540	-.457	5.685
		2	28.503	3.477	21.569	35.438
		3	6.081	3.552	-1.003	13.164
	Not Given	1	1.898	1.540	-1.173	4.970
		2	2.879	3.477	-4.055	9.814
		3	4.169	3.552	-2.915	11.252
No Task	Given	1	.881	1.623	-2.356	4.118
		2	38.244	3.665	30.934	45.554
		3	17.966	3.744	10.500	25.433
	Not Given	1	3.882	1.722	.449	7.316
		2	15.074	3.887	7.321	22.827
		3	13.491	3.971	5.571	21.411

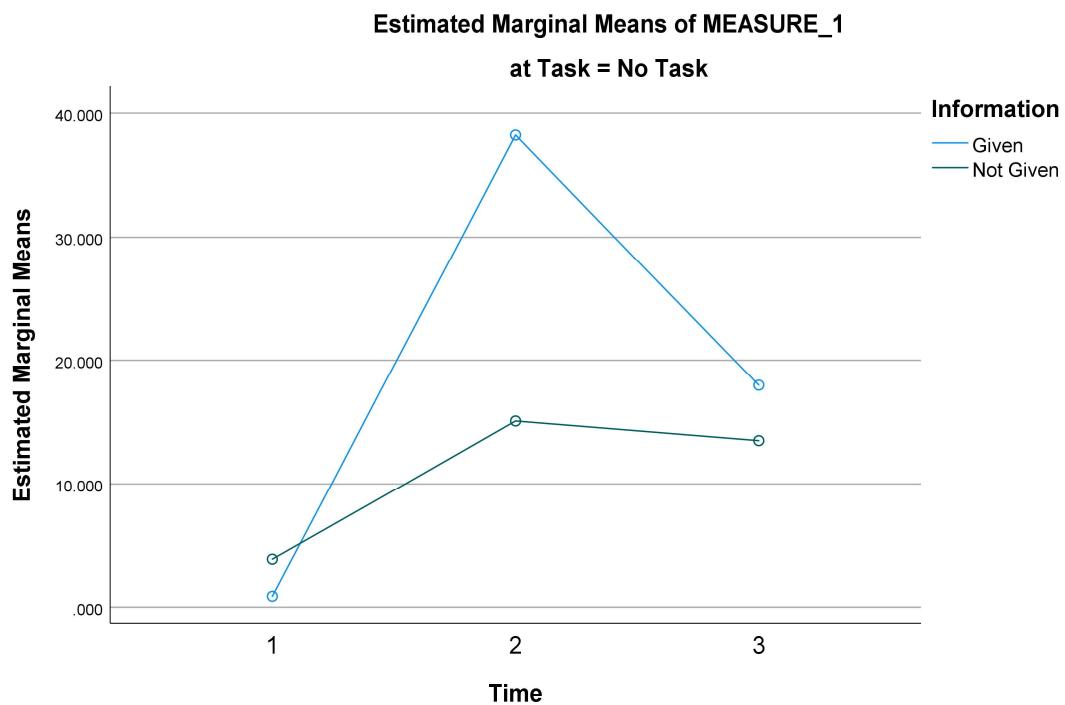
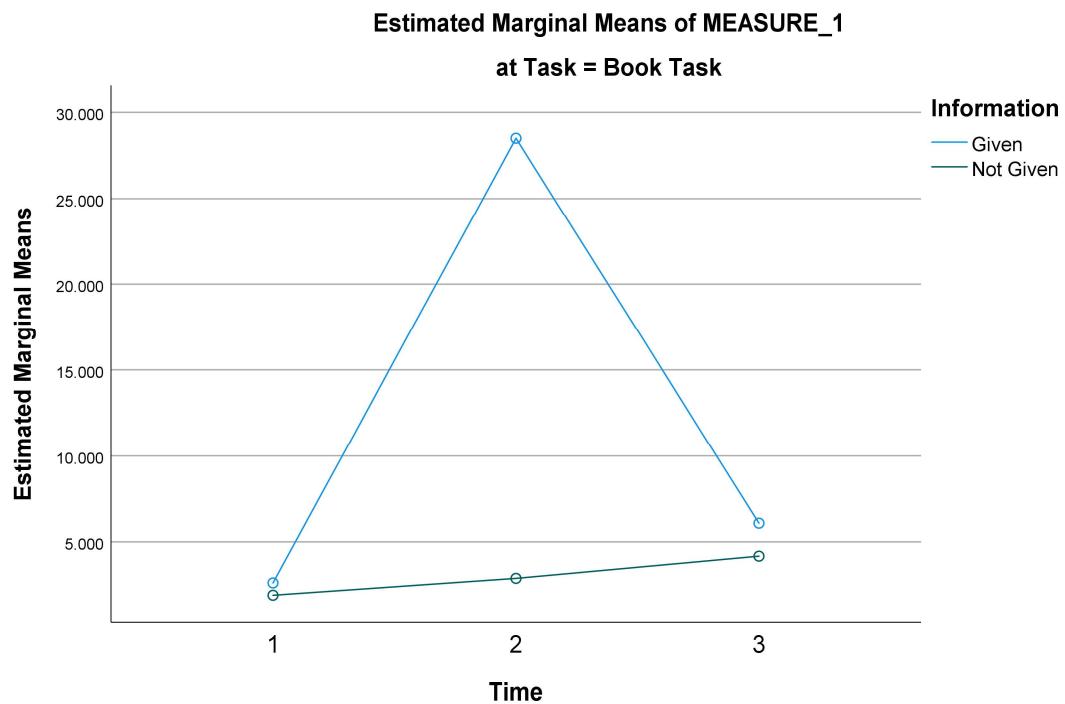
Profile Plots







Time * Information * Task



Total Seated Duration (Group 1,2,3,4)

Between-Subjects Factors

		N
Information	Given	38
	Not Given	36
Task	Book Task	40
	No Task	34

Descriptive Statistics

Dependent Variable: TotalSeatedDuration

Information	Task	Mean	Std. Deviation	N
Given	Book Task	37.19830	24.118855	20
	No Task	57.09172	18.497703	18
	Total	46.62150	23.606380	38
Not Given	Book Task	8.94660	22.366861	20
	No Task	32.44731	29.803811	16
	Total	19.39136	28.151857	36
Total	Book Task	23.07245	27.051472	40
	No Task	45.49435	27.127867	34
	Total	33.37441	29.158161	74

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

		Levene Statistic	df1	df2	Sig.
TotalSeatedDuration	Based on Mean	3.081	3	70	.033
	Based on Median	3.463	3	70	.021
	Based on Median and with adjusted df	3.463	3	54.759	.022
	Based on trimmed mean	3.581	3	70	.018

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

- a. Dependent variable: TotalSeatedDuration
- b. Design: Intercept + Information + Task + Information * Task

Tests of Between-Subjects Effects

Dependent Variable: TotalSeatedDuration

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	22365.749 ^a	3	7455.250	13.146	.000	.360
Intercept	84428.622	1	84428.622	148.871	.000	.680
Information	12831.585	1	12831.585	22.626	.000	.244
Task	8635.648	1	8635.648	15.227	.000	.179
Information * Task	59.675	1	59.675	.105	.747	.002
Error	39698.730	70	567.125			
Total	144489.449	74				
Corrected Total	62064.480	73				

Tests of Between-Subjects Effects

Dependent Variable: TotalSeatedDuration

Source	Noncent. Parameter	Observed Power ^b
Corrected Model	39.437	1.000
Intercept	148.871	1.000
Information	22.626	.997
Task	15.227	.970
Information * Task	.105	.062
Error		
Total		
Corrected Total		

a. R Squared = .360 (Adjusted R Squared = .333)

b. Computed using alpha = .05

Profile Plots

