

```

GET
  FILE='C:\Users\iksmh\Downloads\Arjun MTP Data\Analysis\ED.sav'.
DATASET NAME DataSet1 WINDOW=FRONT.
GET
  FILE='C:\Users\iksmh\Downloads\Arjun MTP Data\Analysis\velocity.sav'.
DATASET NAME DataSet2 WINDOW=FRONT.

```

General Linear Model

Warnings

Post hoc tests are not performed for Task_1_Notask_0 because there are fewer than three groups.

Post hoc tests are not performed for Informed_1_noinformed_0 because there are fewer than three groups.

Within-Subjects Factors

Measure: MEASURE_1

Time	Dependent Variable
1	theta_bi_beta_pre
2	theta_bi_beta_during

Between-Subjects Factors

		Value Label	N
Task_1_Notask_0	.00	No task	34
	1.00	task	40
Informed_1_noinformed_0	.00	not_informed	36
	1.00	Informed	38

Descriptive Statistics

	Task_1_Notask_0	Informed_1_noinformed_0	Mean	Std. Deviation
theta_bi_beta_pre	No task	not_informed	.2418	.13725
		Informed	.2240	.38714
		Total	.2324	.29301
	task	not_informed	.2146	.17499
		Informed	.2425	.24811
		Total	.2286	.21239
	Total	not_informed	.2267	.15775
		Informed	.2338	.31712
		Total	.2303	.25083
theta_bi_beta_during	No task	not_informed	.3711	.14503
		Informed	.2772	.23957
		Total	.3214	.20345
	task	not_informed	.2990	.19502
		Informed	.1835	.10668
		Total	.2413	.16580
	Total	not_informed	.3311	.17602
		Informed	.2279	.18563
		Total	.2781	.18712

Descriptive Statistics

	Task_1_Notask_0	Informed_1_noinformed_0	N
theta_bi_beta_pre	No task	not_informed	16
		Informed	18
		Total	34
	task	not_informed	20
		Informed	20
		Total	40
	Total	not_informed	36
		Informed	38
		Total	74
theta_bi_beta_during	No task	not_informed	16
		Informed	18
		Total	34
	task	not_informed	20
		Informed	20
		Total	40
	Total	not_informed	36
		Informed	38
		Total	74

Box's Test of Equality of Covariance Matrices^a

Box's M	35.190
F	3.705
df1	9
df2	48529.783
Sig.	.000

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

- a. Design: Intercept + Task_1_Notask_0 + Informed_1_noinformed_0 + Task_1_Notask_0 * Informed_1_noinformed_0
Within Subjects Design: Time

Multivariate Tests^a

Effect		Value	F	Hypothesis df	Error df
Time	Pillai's Trace	.028	2.032 ^b	1.000	70.000
	Wilks' Lambda	.972	2.032 ^b	1.000	70.000
	Hotelling's Trace	.029	2.032 ^b	1.000	70.000
	Roy's Largest Root	.029	2.032 ^b	1.000	70.000
Time * Task_1_Notask_0	Pillai's Trace	.016	1.160 ^b	1.000	70.000
	Wilks' Lambda	.984	1.160 ^b	1.000	70.000
	Hotelling's Trace	.017	1.160 ^b	1.000	70.000
	Roy's Largest Root	.017	1.160 ^b	1.000	70.000
Time * Informed_1_noinformed_0	Pillai's Trace	.031	2.265 ^b	1.000	70.000
	Wilks' Lambda	.969	2.265 ^b	1.000	70.000
	Hotelling's Trace	.032	2.265 ^b	1.000	70.000
	Roy's Largest Root	.032	2.265 ^b	1.000	70.000
Time * Task_1_Notask_0 * Informed_1_noinformed_0	Pillai's Trace	.003	.213 ^b	1.000	70.000
	Wilks' Lambda	.997	.213 ^b	1.000	70.000
	Hotelling's Trace	.003	.213 ^b	1.000	70.000
	Roy's Largest Root	.003	.213 ^b	1.000	70.000

Multivariate Tests^a

Effect		Sig.	Partial Eta Squared
Time	Pillai's Trace	.158	.028
	Wilks' Lambda	.158	.028
	Hotelling's Trace	.158	.028
	Roy's Largest Root	.158	.028
Time * Task_1_Notask_0	Pillai's Trace	.285	.016
	Wilks' Lambda	.285	.016
	Hotelling's Trace	.285	.016
	Roy's Largest Root	.285	.016
Time * Informed_1_noinformed_0	Pillai's Trace	.137	.031
	Wilks' Lambda	.137	.031
	Hotelling's Trace	.137	.031
	Roy's Largest Root	.137	.031
Time * Task_1_Notask_0 * Informed_1_noinformed_0	Pillai's Trace	.646	.003
	Wilks' Lambda	.646	.003
	Hotelling's Trace	.646	.003
	Roy's Largest Root	.646	.003

a. Design: Intercept + Task_1_Notask_0 + Informed_1_noinformed_0 + Task_1_Notask_0 * Informed_1_noinformed_0
Within Subjects Design: Time

b. Exact statistic

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	1.000	.000	0	.	1.000

Mauchly's Test of Sphericity^a

Measure: MEASURE_1

Within Subjects Effect	Epsilon ^b	
	Huynh-Feldt	Lower-bound
Time	1.000	1.000

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_1_Notask_0 + Informed_1_noinformed_0 + Task_1_Notask_0 * Informed_1_noinformed_0
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	.099	1	.099	2.032
	Greenhouse-Geisser	.099	1.000	.099	2.032
	Huynh-Feldt	.099	1.000	.099	2.032
	Lower-bound	.099	1.000	.099	2.032
Time * Task_1_Notask_0	Sphericity Assumed	.057	1	.057	1.160
	Greenhouse-Geisser	.057	1.000	.057	1.160
	Huynh-Feldt	.057	1.000	.057	1.160
	Lower-bound	.057	1.000	.057	1.160
Time * Informed_1_noinformed_0	Sphericity Assumed	.110	1	.110	2.265
	Greenhouse-Geisser	.110	1.000	.110	2.265
	Huynh-Feldt	.110	1.000	.110	2.265
	Lower-bound	.110	1.000	.110	2.265
Time * Task_1_Notask_0 * Informed_1_noinformed_0	Sphericity Assumed	.010	1	.010	.213
	Greenhouse-Geisser	.010	1.000	.010	.213
	Huynh-Feldt	.010	1.000	.010	.213
	Lower-bound	.010	1.000	.010	.213
Error(Time)	Sphericity Assumed	3.414	70	.049	
	Greenhouse-Geisser	3.414	70.000	.049	
	Huynh-Feldt	3.414	70.000	.049	
	Lower-bound	3.414	70.000	.049	

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Sig.	Partial Eta Squared
Time	Sphericity Assumed	.158	.028
	Greenhouse-Geisser	.158	.028
	Huynh-Feldt	.158	.028
	Lower-bound	.158	.028
Time * Task_1_Notask_0	Sphericity Assumed	.285	.016
	Greenhouse-Geisser	.285	.016
	Huynh-Feldt	.285	.016
	Lower-bound	.285	.016
Time * Informed_1_noinformed_0	Sphericity Assumed	.137	.031
	Greenhouse-Geisser	.137	.031
	Huynh-Feldt	.137	.031
	Lower-bound	.137	.031
Time * Task_1_Notask_0 * Informed_1_noinformed_0	Sphericity Assumed	.646	.003
	Greenhouse-Geisser	.646	.003
	Huynh-Feldt	.646	.003
	Lower-bound	.646	.003
Error(Time)	Sphericity Assumed		
	Greenhouse-Geisser		
	Huynh-Feldt		
	Lower-bound		

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Time	Type III Sum of Squares	df	Mean Square	F	Sig.
Time	Linear	.099	1	.099	2.032	.158
Time * Task_1_Notask_0	Linear	.057	1	.057	1.160	.285
Time * Informed_1_noinformed_0	Linear	.110	1	.110	2.265	.137
Time * Task_1_Notask_0 * Informed_1_noinformed_0	Linear	.010	1	.010	.213	.646
Error(Time)	Linear	3.414	70	.049		

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Time	Partial Eta Squared
Time	Linear	.028
Time * Task_1_Notask_0	Linear	.016
Time * Informed_1_noinformed_0	Linear	.031
Time * Task_1_Notask_0 * Informed_1_noinformed_0	Linear	.003
Error(Time)	Linear	

Levene's Test of Equality of Error Variances^a

		Levene Statistic	df1	df2	Sig.
theta_bi_beta_pre	Based on Mean	1.551	3	70	.209
	Based on Median	.303	3	70	.823
	Based on Median and with adjusted df	.303	3	34.556	.823
	Based on trimmed mean	.751	3	70	.525
theta_bi_beta_during	Based on Mean	1.569	3	70	.205
	Based on Median	1.083	3	70	.362
	Based on Median and with adjusted df	1.083	3	44.948	.366
	Based on trimmed mean	1.246	3	70	.300

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

- a. Design: Intercept + Task_1_Notask_0 + Informed_1_noinformed_0 + Task_1_Notask_0 * Informed_1_noinformed_0
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.
Intercept	9.673	1	9.673	199.263	.000
Task_1_Notask_0	.070	1	.070	1.438	.235
Informed_1_noinformed_0	.091	1	.091	1.876	.175
Task_1_Notask_0 * Informed_1_noinformed_0	.001	1	.001	.028	.868
Error	3.398	70	.049		

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Partial Eta Squared
Intercept	.740
Task_1_Notask_0	.020
Informed_1_noinformed_0	.026
Task_1_Notask_0 * Informed_1_noinformed_0	.000
Error	

Estimated Marginal Means

1. Grand Mean

Measure: MEASURE_1

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
.257	.018	.220	.293

2. Task_1_Notask_0

Estimates

Measure: MEASURE_1

Task_1_Notask_0	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
No task	.279	.027	.225	.332
task	.235	.025	.186	.284

Pairwise Comparisons

Measure: MEASURE_1

(I) Task_1_Notask_0	(J) Task_1_Notask_0	Mean Difference (I-J)	Std. Error	Sig. ^a	95% Confidence Interval
					Lower Bound
No task	task	.044	.036	.235	-.029
task	No task	-.044	.036	.235	-.116

Pairwise Comparisons

Measure: MEASURE_1

(I) Task_1_Notask_0	(J) Task_1_Notask_0	95% Confidence Interval for ^a
		Upper Bound
No task	task	.116
task	No task	.029

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	.035	1	.035	1.438	.235	.020
Error	1.699	70	.024			

The F tests the effect of Task_1_Notask_0. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

3. Informed_1_noinformed_0

Estimates

Measure: MEASURE_1

Informed_1_noinformed_0	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
not_informed	.282	.026	.230	.334
Informed	.232	.025	.181	.282

Pairwise Comparisons

Measure: MEASURE_1

(I) Informed_1_noinformed_0	(J) Informed_1_noinformed_0	Mean Difference (I-J)	Std. Error	Sig. ^a
not_informed	Informed	.050	.036	.175
Informed	not_informed	-.050	.036	.175

Pairwise Comparisons

Measure: MEASURE_1

(I) Informed_1_noinformed_0	(J) Informed_1_noinformed_0	95% Confidence Interval for Difference ^a	
		Lower Bound	Upper Bound
not_informed	Informed	-.023	.122
Informed	not_informed	-.122	.023

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	.046	1	.046	1.876	.175	.026
Error	1.699	70	.024			

The F tests the effect of Informed_1_noinformed_0. This test is based on the linearly independent pairwise comparisons among the estimated marginal means.

4. Time

Estimates

Measure: MEASURE_1

Time	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	.231	.030	.171	.290
2	.283	.021	.241	.324

Pairwise Comparisons

Measure: MEASURE_1

(I) Time	(J) Time	Mean Difference (I-J)	Std. Error	Sig. ^a	95% Confidence Interval for Difference ^a	
					Lower Bound	Upper Bound
1	2	-.052	.036	.158	-.125	.021
2	1	.052	.036	.158	-.021	.125

Based on estimated marginal means

a. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.028	2.032 ^a	1.000	70.000	.158	.028
Wilks' lambda	.972	2.032 ^a	1.000	70.000	.158	.028
Hotelling's trace	.029	2.032 ^a	1.000	70.000	.158	.028
Roy's largest root	.029	2.032 ^a	1.000	70.000	.158	.028

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

5. Task_1_Notask_0 * Informed_1_noinformed_0

Measure: MEASURE_1

Task_1_Notask_0	Informed_1_noinformed_0	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
No task	not_informed	.306	.039	.229	.384
	Informed	.251	.037	.177	.324
task	not_informed	.257	.035	.187	.326
	Informed	.213	.035	.144	.283

6. Task_1_Notask_0 * Time

Measure: MEASURE_1

Task_1_Notask_0	Time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
No task	1	.233	.044	.145	.321
	2	.324	.031	.263	.385
task	1	.229	.040	.148	.309
	2	.241	.028	.185	.298

7. Informed_1_noinformed_0 * Time

Measure: MEASURE_1

Informed_1_noinformed_0	Time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
not_informed	1	.228	.043	.143	.314
	2	.335	.030	.275	.395
Informed	1	.233	.042	.150	.316
	2	.230	.029	.173	.288

8. Task_1_Notask_0 * Informed_1_noinformed_0 * Time

Measure: MEASURE_1

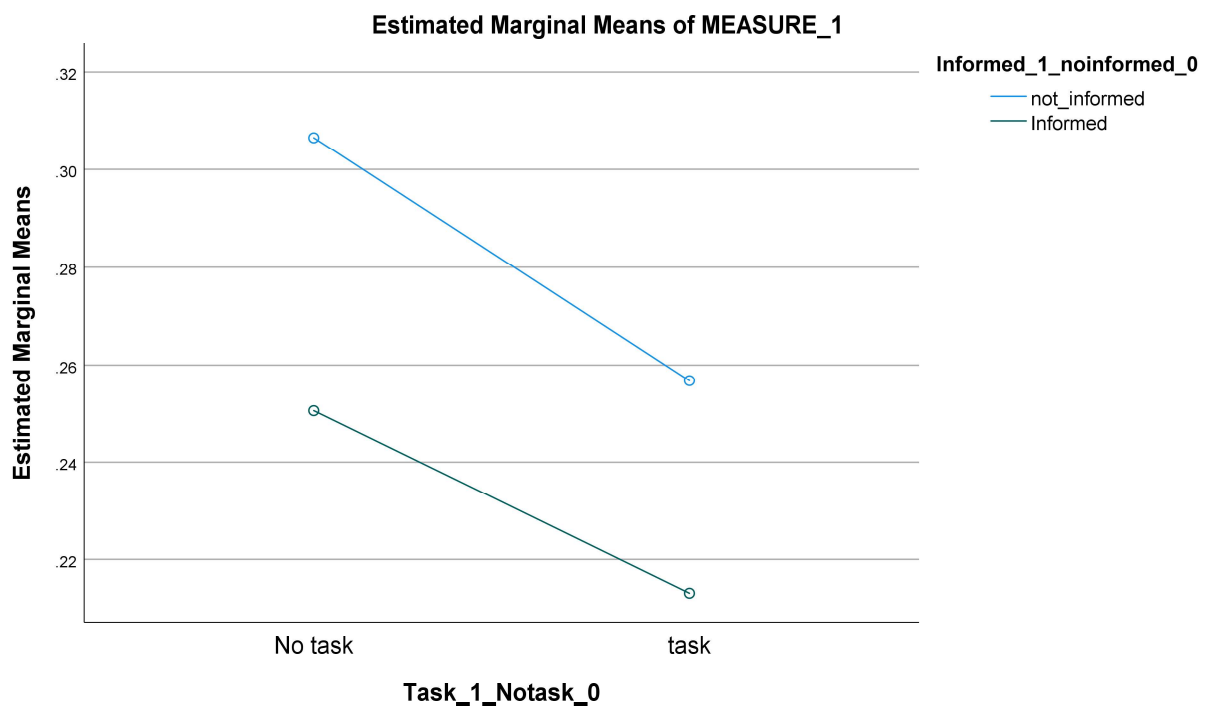
Task_1_Notask_0	Informed_1_noinformed_0	Time	Mean	Std. Error	95% ...
					Lower Bound
No task	not_informed	1	.242	.064	.114
		2	.371	.045	.282
	Informed	1	.224	.060	.104
		2	.277	.042	.193
task	not_informed	1	.215	.057	.100
		2	.299	.040	.219
	Informed	1	.243	.057	.128
		2	.184	.040	.104

8. Task_1_Notask_0 * Informed_1_noinformed_0 * Time

Measure: MEASURE_1

Task_1_Notask_0	Informed_1_noinformed_0	Time	95% Confidence .
			Upper Bound
No task	not_informed	1	.369
		2	.460
	Informed	1	.344
		2	.361
task	not_informed	1	.329
		2	.379
	Informed	1	.357
		2	.263

Profile Plots



DATASET ACTIVATE DataSet1.
DATASET CLOSE DataSet2.