

```

SPLIT FILE OFF.
GLM ADS_Nc IDS_Nc BY group
  /WSFACTOR=ADS_IDS 2 Polynomial
  /METHOD=SSTYPE(3)
  /EMMEANS=TABLES(OVERALL)
  /EMMEANS=TABLES(ADS_IDS) COMPARE ADJ(BONFERRONI)
  /PRINT=DESCRIPTIVE ETASQ
  /CRITERIA=ALPHA(.05)
  /WSDESIGN=ADS_IDS
  /DESIGN=group.

```

General Linear Model

Notes

Output Created		17-APR-2019 11:15:...
Comments		
Input	Data	/Users/szilvia/Box Sync/RA STUDIES/IDSFR/visual results/IDSFR_visual_final.sav
	Active Dataset	DataSet1
	Filter	<none>
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	N of Rows in Working Data File	37
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		GLM ADS_Nc IDS_Nc BY group /WSFACTOR=ADS_IDS 2 Polynomial /METHOD=SSTYPE(3) /EMMEANS=TABLES(OVERALL) /EMMEANS=TABLES(ADS_IDS) COMPARE ADJ(BONFERRONI) /PRINT=DESCRIPTIVE ETASQ /CRITERIA=ALPHA(.05) /WSDESIGN=ADS_IDS /DESIGN=group.
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.00

**Within-Subjects
Factors**

Measure: MEASURE_1

ADS_IDS	Dependent Variable
1	ADS_Nc
2	IDS_Nc

**Between-Subjects
Factors**

	N
group 1.00	19
2.00	18

Descriptive Statistics

	group	Mean	Std. Deviation	N
ADS_Nc	1.00	-9.0171	5.66387	19
	2.00	-7.2569	3.64139	18
	Total	-8.1608	4.80591	37
IDS_Nc	1.00	-9.1992	4.85119	19
	2.00	-10.7255	4.78466	18
	Total	-9.9417	4.81412	37

Multivariate Tests^a

Effect		Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
ADS_IDS	Pillai's Trace	.152	6.279 ^b	1.000	35.000	.017	.152
	Wilks' Lambda	.848	6.279 ^b	1.000	35.000	.017	.152
	Hotelling's Trace	.179	6.279 ^b	1.000	35.000	.017	.152
	Roy's Largest Root	.179	6.279 ^b	1.000	35.000	.017	.152
ADS_IDS * group	Pillai's Trace	.127	5.089 ^b	1.000	35.000	.030	.127
	Wilks' Lambda	.873	5.089 ^b	1.000	35.000	.030	.127
	Hotelling's Trace	.145	5.089 ^b	1.000	35.000	.030	.127
	Roy's Largest Root	.145	5.089 ^b	1.000	35.000	.030	.127

a. Design: Intercept + group
Within Subjects Design: ADS_IDS

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	Huynh-Feldt	Lower-bound
ADS_IDS	1.000	.000	0	.	1.000	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 + group
Within Subjects Design: ADS_IDS

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	Sig.	Partial Eta Squared
ADS_IDS	Sphericity Assumed	61.594	1	61.594	6.279	.017	.152
	Greenhouse-Geisser	61.594	1.000	61.594	6.279	.017	.152
	Huynh-Feldt	61.594	1.000	61.594	6.279	.017	.152
	Lower-bound	61.594	1.000	61.594	6.279	.017	.152
ADS_IDS * group	Sphericity Assumed	49.920	1	49.920	5.089	.030	.127
	Greenhouse-Geisser	49.920	1.000	49.920	5.089	.030	.127
	Huynh-Feldt	49.920	1.000	49.920	5.089	.030	.127
	Lower-bound	49.920	1.000	49.920	5.089	.030	.127
Error(ADS_IDS)	Sphericity Assumed	343.338	35	9.810			
	Greenhouse-Geisser	343.338	35.000	9.810			
	Huynh-Feldt	343.338	35.000	9.810			
	Lower-bound	343.338	35.000	9.810			

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	ADS_IDS	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
ADS_IDS	Linear	61.594	1	61.594	6.279	.017	.152
ADS_IDS * group	Linear	49.920	1	49.920	5.089	.030	.127
Error(ADS_IDS)	Linear	343.338	35	9.810			

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	6055.917	1	6055.917	166.594	.000	.826
group	.253	1	.253	.007	.934	.000
Error	1272.300	35	36.351			

Estimated Marginal Means

1. Grand Mean

Measure: MEASURE_1

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
-9.050	.701	-10.473	-7.626

2. ADS_IDS

Estimates

Measure: MEASURE_1

ADS_IDS	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	-8.137	.788	-9.736	-6.538
2	-9.962	.793	-11.571	-8.353

Pairwise Comparisons

Measure: MEASURE_1

(I) ADS_IDS	(J) ADS_IDS	Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence Interval for Difference ^b	
					Lower Bound	Upper Bound
1	2	1.825 [*]	.728	.017	.347	3.304
2	1	-1.825 [*]	.728	.017	-3.304	-.347

Based on estimated marginal means

*. The mean difference is significant at the

b. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.152	6.279 ^a	1.000	35.000	.017	.152
Wilks' lambda	.848	6.279 ^a	1.000	35.000	.017	.152
Hotelling's trace	.179	6.279 ^a	1.000	35.000	.017	.152
Roy's largest root	.179	6.279 ^a	1.000	35.000	.017	.152

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

a. Exact statistic

DATASET ACTIVATE DataSet1.

```
SAVE OUTFILE='/Users/szilvia/Box Sync/RA STUDIES/IDSFR/visual results/IDSFR_visual_final.sav'
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GLM ADS_vis_left ADS_vis_right IDS_vis_left IDS_vis_right
/WSFACTOR=ADS_IDS 2 Polynomial hem 2 Polynomial
/METHOD=SSTYPE(3)
/EMMEANS=TABLES(OVERALL)
```

```

/EMMEANS=TABLES(ADS_IDS) COMPARE ADJ(BONFERRONI)
/EMMEANS=TABLES(hem) COMPARE ADJ(BONFERRONI)
/EMMEANS=TABLES(hem*ADS_IDS)
/EMMEANS=TABLES(ADS_IDS*hem)
/PRINT=DESCRIPTIVE ETASQ
/CRITERIA=ALPHA(.05)
/WSDESIGN=ADS_IDS hem ADS_IDS*hem.

```

General Linear Model

Notes

Output Created		17-APR-2019 15:44:...
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Input	Data	/Users/szilvia/Box Sync/RA STUDIES/IDSFR/visual results/IDSFR_visual_final.sav
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	N of Rows in Working Data File	37
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		GLM ADS_vis_left ADS_vis_right IDS_vis_left IDS_vis_right /WSFACTOR=ADS_IDS 2 Polynomial hem 2 Polynomial /METHOD=SSTYPE(3) /EMMEANS=TABLES (OVERALL) /EMMEANS=TABLES (ADS_IDS) COMPARE ADJ (BONFERRONI) /EMMEANS=TABLES (hem) COMPARE ADJ (BONFERRONI) /EMMEANS=TABLES (hem*ADS_IDS) /EMMEANS=TABLES (ADS_IDS*hem) /PRINT=DESCRIPTIVE ETASQ /CRITERIA=ALPHA(.05) /WSDESIGN=ADS_IDS hem ADS_IDS*hem.
Resources	Processor Time	00:00:00.04
	Elapsed Time	00:00:00.00

Within-Subjects Factors

Measure: MEASURE_1

ADS_IDS	hem	Dependent Variable
1	1	ADS_vis_left
	2	ADS_vis_right
2	1	IDS_vis_left
	2	IDS_vis_right

group = 1.00

Between

-

Subjects
Factors^a

--

a. group = 1.00

Descriptive Statistics^a

	Mean	Std. Deviation	N
ADS_vis_left	12.6403	7.65352	19
ADS_vis_right	7.9147	6.09485	19
IDS_vis_left	7.4887	6.65999	19
IDS_vis_right	3.4501	5.42882	19

a. group = 1.00

Multivariate Tests^{a,b}

Effect		Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
ADS_IDS	Pillai's Trace	.409	12.434 ^c	1.000	18.000	.002	.409
	Wilks' Lambda	.591	12.434 ^c	1.000	18.000	.002	.409
	Hotelling's Trace	.691	12.434 ^c	1.000	18.000	.002	.409
	Roy's Largest Root	.691	12.434 ^c	1.000	18.000	.002	.409
hem	Pillai's Trace	.338	9.177 ^c	1.000	18.000	.007	.338
	Wilks' Lambda	.662	9.177 ^c	1.000	18.000	.007	.338
	Hotelling's Trace	.510	9.177 ^c	1.000	18.000	.007	.338
	Roy's Largest Root	.510	9.177 ^c	1.000	18.000	.007	.338
ADS_IDS * hem	Pillai's Trace	.008	.150 ^c	1.000	18.000	.703	.008
	Wilks' Lambda	.992	.150 ^c	1.000	18.000	.703	.008
	Hotelling's Trace	.008	.150 ^c	1.000	18.000	.703	.008
	Roy's Largest Root	.008	.150 ^c	1.000	18.000	.703	.008

a. group = 1.00

b. Design: Intercept

Within Subjects Design: ADS_IDS + hem + ADS_IDS * hem

c. Exact statistic

Mauchly's Test of Sphericity^{a,b}

Measure: MEASURE_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon ^c		
					Greenhouse-Geisser	Huynh-Feldt	Lower-bound
ADS_IDS	1.000	.000	0	.	1.000	1.000	1.000
hem	1.000	.000	0	.	1.000	1.000	1.000
ADS_IDS * hem	1.000	.000	0	.	1.000	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. group = 1.00

b. Design: Intercept

Within Subjects Design: ADS_IDS + hem + ADS_IDS * hem

c. 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^a

Measure: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
ADS_IDS	Sphericity Assumed	439.236	1	439.236	12.434	.002	.409
	Greenhouse-Geisser	439.236	1.000	439.236	12.434	.002	.409
	Huynh-Feldt	439.236	1.000	439.236	12.434	.002	.409
	Lower-bound	439.236	1.000	439.236	12.434	.002	.409
Error(ADS_IDS)	Sphericity Assumed	635.874	18	35.326			
	Greenhouse-Geisser	635.874	18.000	35.326			
	Huynh-Feldt	635.874	18.000	35.326			
	Lower-bound	635.874	18.000	35.326			
hem	Sphericity Assumed	364.857	1	364.857	9.177	.007	.338
	Greenhouse-Geisser	364.857	1.000	364.857	9.177	.007	.338
	Huynh-Feldt	364.857	1.000	364.857	9.177	.007	.338
	Lower-bound	364.857	1.000	364.857	9.177	.007	.338
Error(hem)	Sphericity Assumed	715.625	18	39.757			
	Greenhouse-Geisser	715.625	18.000	39.757			
	Huynh-Feldt	715.625	18.000	39.757			
	Lower-bound	715.625	18.000	39.757			
ADS_IDS * hem	Sphericity Assumed	2.242	1	2.242	.150	.703	.008
	Greenhouse-Geisser	2.242	1.000	2.242	.150	.703	.008
	Huynh-Feldt	2.242	1.000	2.242	.150	.703	.008
	Lower-bound	2.242	1.000	2.242	.150	.703	.008
Error (ADS_IDS*hem)	Sphericity Assumed	269.300	18	14.961			
	Greenhouse-Geisser	269.300	18.000	14.961			
	Huynh-Feldt	269.300	18.000	14.961			
	Lower-bound	269.300	18.000	14.961			

a. group = 1.00

Tests of Within-Subjects Contrasts^a

Measure: MEASURE_1

Source	ADS_IDS	hem	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
ADS_IDS	Linear		439.236	1	439.236	12.434	.002	.409
Error(ADS_IDS)	Linear		635.874	18	35.326			
hem		Linear	364.857	1	364.857	9.177	.007	.338
Error(hem)		Linear	715.625	18	39.757			
ADS_IDS * hem	Linear	Linear	2.242	1	2.242	.150	.703	.008
Error (ADS_IDS*hem)	Linear	Linear	269.300	18	14.961			

a. group = 1.00

Tests of Between-Subjects Effects^a

Measure: MEASURE_1

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Intercept	4711.340	1	4711.340	59.257	.000	.767
Error	1431.119	18	79.507			

a. group = 1.00

Estimated Marginal Means

1. Grand Mean^a

Measure: MEASURE_1

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
7.873	1.023	5.725	10.022

a. group = 1.00

2. ADS_IDS

Estimates^a

Measure: MEASURE_1

ADS_IDS	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	10.277	1.304	7.538	13.017
2	5.469	1.150	3.054	7.884

a. group = 1.00

Pairwise Comparisons^a

Measure: MEASURE_1

(I) ADS_IDS (J) ADS_IDS		Mean Difference (I-J)	Std. Error	Sig. ^c	95% Confidence Interval for Difference ^c	
					Lower Bound	Upper Bound
1	2	4.808 [*]	1.364	.002	1.943	7.673
2	1	-4.808 [*]	1.364	.002	-7.673	-1.943

Based on estimated marginal means

*. The mean difference is significant at the

a. group = 1.00

c. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests^a

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.409	12.434 ^b	1.000	18.000	.002	.409
Wilks' lambda	.591	12.434 ^b	1.000	18.000	.002	.409
Hotelling's trace	.691	12.434 ^b	1.000	18.000	.002	.409
Roy's largest root	.691	12.434 ^b	1.000	18.000	.002	.409

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

- a. group = 1.00
- b. Exact statistic

3. hem

Estimates^a

Measure: MEASURE_1

hem	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	10.065	1.406	7.110	13.019
2	5.682	1.078	3.418	7.946

- a. group = 1.00

Pairwise Comparisons^a

Measure: MEASURE_1

(I) hem	(J) hem	Mean Difference (I-J)	Std. Error	Sig. ^c	95% Confidence Interval for Difference ^c	
					Lower Bound	Upper Bound
1	2	4.382 [*]	1.447	.007	1.343	7.421
2	1	-4.382 [*]	1.447	.007	-7.421	-1.343

Based on estimated marginal means

- *. The mean difference is significant at the
- a. group = 1.00
- c. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests^a

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.338	9.177 ^b	1.000	18.000	.007	.338
Wilks' lambda	.662	9.177 ^b	1.000	18.000	.007	.338
Hotelling's trace	.510	9.177 ^b	1.000	18.000	.007	.338
Roy's largest root	.510	9.177 ^b	1.000	18.000	.007	.338

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

- a. group = 1.00
- b. Exact statistic

4. hem * ADS_IDS^a

Measure: MEASURE_1

hem	ADS_IDS	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
1	1	12.640	1.756	8.951	16.329
	2	7.489	1.528	4.279	10.699
2	1	7.915	1.398	4.977	10.852
	2	3.450	1.245	.834	6.067

a. group = 1.00

5. ADS_IDS * hem^a

Measure: MEASURE_1

ADS_IDS	hem	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
1	1	12.640	1.756	8.951	16.329
	2	7.915	1.398	4.977	10.852
2	1	7.489	1.528	4.279	10.699
	2	3.450	1.245	.834	6.067

a. group = 1.00

group = 2.00

Between

-

Subjects
Factors^a

a. group = 2.00

Descriptive Statistics^a

	Mean	Std. Deviation	N
ADS_vis_left	7.0924	9.18280	18
ADS_vis_right	3.1140	12.36554	18
IDS_vis_left	8.8619	8.79927	18
IDS_vis_right	3.7648	12.51889	18

a. group = 2.00

Multivariate Tests^{a,b}

Effect		Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
ADS_IDS	Pillai's Trace	.033	.580 ^c	1.000	17.000	.457	.033
	Wilks' Lambda	.967	.580 ^c	1.000	17.000	.457	.033
	Hotelling's Trace	.034	.580 ^c	1.000	17.000	.457	.033
	Roy's Largest Root	.034	.580 ^c	1.000	17.000	.457	.033
hem	Pillai's Trace	.198	4.198 ^c	1.000	17.000	.056	.198
	Wilks' Lambda	.802	4.198 ^c	1.000	17.000	.056	.198
	Hotelling's Trace	.247	4.198 ^c	1.000	17.000	.056	.198
	Roy's Largest Root	.247	4.198 ^c	1.000	17.000	.056	.198
ADS_IDS * hem	Pillai's Trace	.029	.517 ^c	1.000	17.000	.482	.029
	Wilks' Lambda	.971	.517 ^c	1.000	17.000	.482	.029
	Hotelling's Trace	.030	.517 ^c	1.000	17.000	.482	.029
	Roy's Largest Root	.030	.517 ^c	1.000	17.000	.482	.029

a. group = 2.00

b. Design: Intercept

Within Subjects Design: ADS_IDS + hem + ADS_IDS * hem

c. Exact statistic

Mauchly's Test of Sphericity^{a,b}

Measure: MEASURE_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon ^c		
					Greenhouse-Geisser	Huynh-Feldt	Lower-bound
ADS_IDS	1.000	.000	0	.	1.000	1.000	1.000
hem	1.000	.000	0	.	1.000	1.000	1.000
ADS_IDS * hem	1.000	.000	0	.	1.000	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. group = 2.00

b. Design: Intercept

Within Subjects Design: ADS_IDS + hem + ADS_IDS * hem

c. 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^a

Measure: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
ADS_IDS	Sphericity Assumed	26.361	1	26.361	.580	.457	.033
	Greenhouse-Geisser	26.361	1.000	26.361	.580	.457	.033
	Huynh-Feldt	26.361	1.000	26.361	.580	.457	.033
	Lower-bound	26.361	1.000	26.361	.580	.457	.033
Error(ADS_IDS)	Sphericity Assumed	772.677	17	45.452			
	Greenhouse-Geisser	772.677	17.000	45.452			
	Huynh-Feldt	772.677	17.000	45.452			
	Lower-bound	772.677	17.000	45.452			
hem	Sphericity Assumed	370.647	1	370.647	4.198	.056	.198
	Greenhouse-Geisser	370.647	1.000	370.647	4.198	.056	.198
	Huynh-Feldt	370.647	1.000	370.647	4.198	.056	.198
	Lower-bound	370.647	1.000	370.647	4.198	.056	.198
Error(hem)	Sphericity Assumed	1501.081	17	88.299			
	Greenhouse-Geisser	1501.081	17.000	88.299			
	Huynh-Feldt	1501.081	17.000	88.299			
	Lower-bound	1501.081	17.000	88.299			
ADS_IDS * hem	Sphericity Assumed	5.632	1	5.632	.517	.482	.029
	Greenhouse-Geisser	5.632	1.000	5.632	.517	.482	.029
	Huynh-Feldt	5.632	1.000	5.632	.517	.482	.029
	Lower-bound	5.632	1.000	5.632	.517	.482	.029
Error (ADS_IDS*hem)	Sphericity Assumed	185.305	17	10.900			
	Greenhouse-Geisser	185.305	17.000	10.900			
	Huynh-Feldt	185.305	17.000	10.900			
	Lower-bound	185.305	17.000	10.900			

a. group = 2.00

Tests of Within-Subjects Contrasts^a

Measure: MEASURE_1

Source	ADS_IDS	hem	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
ADS_IDS	Linear		26.361	1	26.361	.580	.457	.033
Error(ADS_IDS)	Linear		772.677	17	45.452			
hem		Linear	370.647	1	370.647	4.198	.056	.198
Error(hem)		Linear	1501.081	17	88.299			
ADS_IDS * hem	Linear	Linear	5.632	1	5.632	.517	.482	.029
Error (ADS_IDS*hem)	Linear	Linear	185.305	17	10.900			

a. group = 2.00

Tests of Between-Subjects Effects^a

Measure: MEASURE_1

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Intercept	2346.066	1	2346.066	7.180	.016	.297
Error	5554.401	17	326.729			

a. group = 2.00

Estimated Marginal Means

1. Grand Mean^a

Measure: MEASURE_1

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
5.708	2.130	1.214	10.203

a. group = 2.00

2. ADS_IDS

Estimates^a

Measure: MEASURE_1

ADS_IDS	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	5.103	2.213	.435	9.771
2	6.313	2.333	1.391	11.236

a. group = 2.00

Pairwise Comparisons^a

Measure: MEASURE_1

(I) ADS_IDS (J) ADS_IDS		Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence Interval for Difference ^b	
					Lower Bound	Upper Bound
1	2	-1.210	1.589	.457	-4.563	2.142
2	1	1.210	1.589	.457	-2.142	4.563

Based on estimated marginal means

a. group = 2.00

b. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests^a

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.033	.580 ^b	1.000	17.000	.457	.033
Wilks' lambda	.967	.580 ^b	1.000	17.000	.457	.033
Hotelling's trace	.034	.580 ^b	1.000	17.000	.457	.033
Roy's largest root	.034	.580 ^b	1.000	17.000	.457	.033

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

a. group = 2.00

b. Exact statistic

3. hem

Estimates^a

Measure: MEASURE_1

hem	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	7.977	1.923	3.921	12.034
2	3.439	2.799	-2.465	9.344

a. group = 2.00

Pairwise Comparisons^a

Measure: MEASURE_1

(I) hem	(J) hem	Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence Interval for Difference ^b	
					Lower Bound	Upper Bound
1	2	4.538	2.215	.056	-.135	9.211
2	1	-4.538	2.215	.056	-9.211	.135

Based on estimated marginal means

a. group = 2.00

b. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests^a

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.198	4.198 ^b	1.000	17.000	.056	.198
Wilks' lambda	.802	4.198 ^b	1.000	17.000	.056	.198
Hotelling's trace	.247	4.198 ^b	1.000	17.000	.056	.198
Roy's largest root	.247	4.198 ^b	1.000	17.000	.056	.198

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

a. group = 2.00

b. Exact statistic

4. hem * ADS_IDS^a

Measure: MEASURE_1

hem	ADS_IDS	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
1	1	7.092	2.164	2.526	11.659
	2	8.862	2.074	4.486	13.238
2	1	3.114	2.915	-3.035	9.263
	2	3.765	2.951	-2.461	9.990

a. group = 2.00

5. ADS_IDS * hem^a

Measure: MEASURE_1

ADS_IDS	hem	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
1	1	7.092	2.164	2.526	11.659
	2	3.114	2.915	-3.035	9.263
2	1	8.862	2.074	4.486	13.238
	2	3.765	2.951	-2.461	9.990

a. group = 2.00

SPLIT FILE OFF.

```
GLM ADS_vis_left ADS_vis_right IDS_vis_left IDS_vis_right BY group
  /WSFACTOR=ADS_IDS 2 Polynomial hem 2 Polynomial
  /METHOD=SSTYPE(3)
  /EMMEANS=TABLES(OVERALL)
  /EMMEANS=TABLES(ADS_IDS) COMPARE ADJ(BONFERRONI)
  /EMMEANS=TABLES(hem) COMPARE ADJ(BONFERRONI)
  /EMMEANS=TABLES(hem*ADS_IDS)
  /EMMEANS=TABLES(ADS_IDS*hem)
  /PRINT=DESCRIPTIVE ETASQ
  /CRITERIA=ALPHA(.05)
  /WSDESIGN=ADS_IDS hem ADS_IDS*hem
  /DESIGN=group.
```

General Linear Model

Notes

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	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		GLM ADS_vis_left ADS_vis_right IDS_vis_left IDS_vis_right BY group /WSFACTOR=ADS_IDS 2 Polynomial hem 2 Polynomial /METHOD=SSTYPE(3) /EMMEANS=TABLES (OVERALL) /EMMEANS=TABLES (ADS_IDS) COMPARE ADJ (BONFERRONI) /EMMEANS=TABLES (hem) COMPARE ADJ (BONFERRONI) /EMMEANS=TABLES (hem*ADS_IDS) /EMMEANS=TABLES (ADS_IDS*hem) /PRINT=DESCRIPTIVE ETASQ /CRITERIA=ALPHA(.05) /WSDSIGN=ADS_IDS hem ADS_IDS*hem /DESIGN=group.
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Within-Subjects Factors

Measure: MEASURE_1

ADS_IDS	hem	Dependent Variable
1	1	ADS_vis_left
	2	ADS_vis_right
2	1	IDS_vis_left
	2	IDS_vis_right

Between-Subjects
Factors

		N
group	1.00	19
	2.00	18

Descriptive Statistics

	group	Mean	Std. Deviation	N
ADS_vis_left	1.00	12.6403	7.65352	19
	2.00	7.0924	9.18280	18
	Total	9.9413	8.77557	37
ADS_vis_right	1.00	7.9147	6.09485	19
	2.00	3.1140	12.36554	18
	Total	5.5792	9.83346	37
IDS_vis_left	1.00	7.4887	6.65999	19
	2.00	8.8619	8.79927	18
	Total	8.1568	7.69576	37
IDS_vis_right	1.00	3.4501	5.42882	19
	2.00	3.7648	12.51889	18
	Total	3.6032	9.42175	37

Multivariate Tests^a

Effect		Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
ADS_IDS	Pillai's Trace	.078	2.973 ^b	1.000	35.000	.093	.078
	Wilks' Lambda	.922	2.973 ^b	1.000	35.000	.093	.078
	Hotelling's Trace	.085	2.973 ^b	1.000	35.000	.093	.078
	Roy's Largest Root	.085	2.973 ^b	1.000	35.000	.093	.078
ADS_IDS * group	Pillai's Trace	.192	8.319 ^b	1.000	35.000	.007	.192
	Wilks' Lambda	.808	8.319 ^b	1.000	35.000	.007	.192
	Hotelling's Trace	.238	8.319 ^b	1.000	35.000	.007	.192
	Roy's Largest Root	.238	8.319 ^b	1.000	35.000	.007	.192
hem	Pillai's Trace	.249	11.612 ^b	1.000	35.000	.002	.249
	Wilks' Lambda	.751	11.612 ^b	1.000	35.000	.002	.249
	Hotelling's Trace	.332	11.612 ^b	1.000	35.000	.002	.249
	Roy's Largest Root	.332	11.612 ^b	1.000	35.000	.002	.249
hem * group	Pillai's Trace	.000	.004 ^b	1.000	35.000	.953	.000
	Wilks' Lambda	1.000	.004 ^b	1.000	35.000	.953	.000
	Hotelling's Trace	.000	.004 ^b	1.000	35.000	.953	.000
	Roy's Largest Root	.000	.004 ^b	1.000	35.000	.953	.000
ADS_IDS * hem	Pillai's Trace	.001	.033 ^b	1.000	35.000	.857	.001
	Wilks' Lambda	.999	.033 ^b	1.000	35.000	.857	.001
	Hotelling's Trace	.001	.033 ^b	1.000	35.000	.857	.001
	Roy's Largest Root	.001	.033 ^b	1.000	35.000	.857	.001
ADS_IDS * hem * group	Pillai's Trace	.016	.580 ^b	1.000	35.000	.451	.016
	Wilks' Lambda	.984	.580 ^b	1.000	35.000	.451	.016
	Hotelling's Trace	.017	.580 ^b	1.000	35.000	.451	.016
	Roy's Largest Root	.017	.580 ^b	1.000	35.000	.451	.016

- a. Design: Intercept + group
Within Subjects Design: ADS_IDS + hem + ADS_IDS * hem
- 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	Huynh-Feldt	Lower-bound
ADS_IDS	1.000	.000	0	.	1.000	1.000	1.000
hem	1.000	.000	0	.	1.000	1.000	1.000
ADS_IDS * hem	1.000	.000	0	.	1.000	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 + group
Within Subjects Design: ADS_IDS + hem + ADS_IDS * hem
- 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	Sig.	Partial Eta Squared
ADS_IDS	Sphericity Assumed	119.653	1	119.653	2.973	.093	.078
	Greenhouse-Geisser	119.653	1.000	119.653	2.973	.093	.078
	Huynh-Feldt	119.653	1.000	119.653	2.973	.093	.078
	Lower-bound	119.653	1.000	119.653	2.973	.093	.078
ADS_IDS * group	Sphericity Assumed	334.785	1	334.785	8.319	.007	.192
	Greenhouse-Geisser	334.785	1.000	334.785	8.319	.007	.192
	Huynh-Feldt	334.785	1.000	334.785	8.319	.007	.192
	Lower-bound	334.785	1.000	334.785	8.319	.007	.192
Error(ADS_IDS)	Sphericity Assumed	1408.552	35	40.244			
	Greenhouse-Geisser	1408.552	35.000	40.244			
	Huynh-Feldt	1408.552	35.000	40.244			
	Lower-bound	1408.552	35.000	40.244			
hem	Sphericity Assumed	735.437	1	735.437	11.612	.002	.249
	Greenhouse-Geisser	735.437	1.000	735.437	11.612	.002	.249
	Huynh-Feldt	735.437	1.000	735.437	11.612	.002	.249
	Lower-bound	735.437	1.000	735.437	11.612	.002	.249
hem * group	Sphericity Assumed	.224	1	.224	.004	.953	.000
	Greenhouse-Geisser	.224	1.000	.224	.004	.953	.000
	Huynh-Feldt	.224	1.000	.224	.004	.953	.000
	Lower-bound	.224	1.000	.224	.004	.953	.000
Error(hem)	Sphericity Assumed	2216.706	35	63.334			
	Greenhouse-Geisser	2216.706	35.000	63.334			
	Huynh-Feldt	2216.706	35.000	63.334			
	Lower-bound	2216.706	35.000	63.334			
ADS_IDS * hem	Sphericity Assumed	.431	1	.431	.033	.857	.001
	Greenhouse-Geisser	.431	1.000	.431	.033	.857	.001

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
	Huynh-Feldt	.431	1.000	.431	.033	.857	.001
	Lower-bound	.431	1.000	.431	.033	.857	.001
ADS_IDS * hem * group	Sphericity Assumed	7.535	1	7.535	.580	.451	.016
	Greenhouse-Geisser	7.535	1.000	7.535	.580	.451	.016
	Huynh-Feldt	7.535	1.000	7.535	.580	.451	.016
	Lower-bound	7.535	1.000	7.535	.580	.451	.016
Error (ADS_IDS*hem)	Sphericity Assumed	454.605	35	12.989			
	Greenhouse-Geisser	454.605	35.000	12.989			
	Huynh-Feldt	454.605	35.000	12.989			
	Lower-bound	454.605	35.000	12.989			

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	ADS_IDS	hem	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
ADS_IDS	Linear		119.653	1	119.653	2.973	.093	.078
ADS_IDS * group	Linear		334.785	1	334.785	8.319	.007	.192
Error(ADS_IDS)	Linear		1408.552	35	40.244			
hem		Linear	735.437	1	735.437	11.612	.002	.249
hem * group		Linear	.224	1	.224	.004	.953	.000
Error(hem)		Linear	2216.706	35	63.334			
ADS_IDS * hem	Linear	Linear	.431	1	.431	.033	.857	.001
ADS_IDS * hem * group	Linear	Linear	7.535	1	7.535	.580	.451	.016
Error (ADS_IDS*hem)	Linear	Linear	454.605	35	12.989			

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	6820.148	1	6820.148	34.171	.000	.494
group	173.332	1	173.332	.868	.358	.024
Error	6985.520	35	199.586			

Estimated Marginal Means

1. Grand Mean

Measure: MEASURE_1

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
6.791	1.162	4.432	9.149

2. ADS_IDS

Estimates

Measure: MEASURE_1

ADS_IDS	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	7.690	1.268	5.117	10.264
2	5.891	1.279	3.295	8.488

Pairwise Comparisons

Measure: MEASURE_1

(I) ADS_IDS	(J) ADS_IDS	Mean Difference (I-J)	Std. Error	Sig. ^a	95% Confidence Interval for Difference ^a	
					Lower Bound	Upper Bound
1	2	1.799	1.043	.093	-.319	3.917
2	1	-1.799	1.043	.093	-3.917	.319

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	.078	2.973 ^a	1.000	35.000	.093	.078
Wilks' lambda	.922	2.973 ^a	1.000	35.000	.093	.078
Hotelling's trace	.085	2.973 ^a	1.000	35.000	.093	.078
Roy's largest root	.085	2.973 ^a	1.000	35.000	.093	.078

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

a. Exact statistic

3. hem

Estimates

Measure: MEASURE_1

hem	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	9.021	1.182	6.622	11.420
2	4.561	1.469	1.578	7.544

Pairwise Comparisons

Measure: MEASURE_1

(I) hem	(J) hem	Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence Interval for Difference ^b	
					Lower Bound	Upper Bound
1	2	4.460 [*]	1.309	.002	1.803	7.117
2	1	-4.460 [*]	1.309	.002	-7.117	-1.803

Based on estimated marginal means

*. The mean difference is significant at the

b. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.249	11.612 ^a	1.000	35.000	.002	.249
Wilks' lambda	.751	11.612 ^a	1.000	35.000	.002	.249
Hotelling's trace	.332	11.612 ^a	1.000	35.000	.002	.249
Roy's largest root	.332	11.612 ^a	1.000	35.000	.002	.249

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

a. Exact statistic

4. hem * ADS_IDS

Measure: MEASURE_1

hem	ADS_IDS	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
1	1	9.866	1.387	7.051	12.681
	2	8.175	1.278	5.580	10.770
2	1	5.514	1.589	2.288	8.741
	2	3.607	1.571	.418	6.797

5. ADS_IDS * hem

Measure: MEASURE_1

ADS_IDS	hem	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
1	1	9.866	1.387	7.051	12.681
	2	5.514	1.589	2.288	8.741
2	1	8.175	1.278	5.580	10.770
	2	3.607	1.571	.418	6.797

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```

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/METHOD=SSTYPE(3)
/PLOT=PROFILE(hem*ADS_IDS)
/EMMEANS=TABLES(OVERALL)
/EMMEANS=TABLES(ADS_IDS) COMPARE ADJ(BONFERRONI)
/EMMEANS=TABLES(hem) COMPARE ADJ(BONFERRONI)
/EMMEANS=TABLES(ADS_IDS*hem)
/EMMEANS=TABLES(group) COMPARE ADJ(BONFERRONI)
/EMMEANS=TABLES(group*ADS_IDS)
/EMMEANS=TABLES(group*hem)
/EMMEANS=TABLES(group*ADS_IDS*hem)
/PRINT=DESCRIPTIVE ETASQ
/CRITERIA=ALPHA(.05)
/WSDESIGN=ADS_IDS hem ADS_IDS*hem
/DESIGN=group.

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General Linear Model

Notes

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Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.

Notes

Syntax		GLM ADS_P1_left_100_200ms ADS_P1_right_100_200ms IDS_P1_left_100_200ms IDS_P1_right_100_200ms BY group /WSFACTOR=ADS_IDS 2 Polynomial hem 2 Polynomial /METHOD=SSTYPE(3) /PLOT=PROFILE (hem*ADS_IDS) /EMMEANS=TABLES (OVERALL) /EMMEANS=TABLES (ADS_IDS) COMPARE ADJ (BONFERRONI) /EMMEANS=TABLES (hem) COMPARE ADJ (BONFERRONI) /EMMEANS=TABLES (ADS_IDS*hem) /EMMEANS=TABLES (group) COMPARE ADJ (BONFERRONI) /EMMEANS=TABLES (group*ADS_IDS) /EMMEANS=TABLES (group*hem) /EMMEANS=TABLES (group*ADS_IDS*hem) /PRINT=DESCRIPTIVE ETASQ /CRITERIA=ALPHA(.05) /WSDESIGN=ADS_IDS hem ADS_IDS*hem /DESIGN=group.
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[DataSet1] /Users/szilvia/Box Sync/RA STUDIES/IDSFR/visual results/IDSFR_visual_final.sav

Within-Subjects Factors

Measure: MEASURE_1

ADS_IDS	hem	Dependent Variable
1	1	ADS_P1_left_100_200ms
	2	ADS_P1_right_100_200ms
2	1	IDS_P1_left_100_200ms
	2	IDS_P1_right_100_200ms

Between-Subjects
Factors

	N
group 1.00	19
2.00	18

Descriptive Statistics

	group	Mean	Std. Deviation	N
ADS_P1_left_100_200ms	1.00	15.0798	4.46957	19
	2.00	10.2135	6.87959	18
	Total	12.7124	6.19828	37
ADS_P1_right_100_200ms	1.00	15.5480	4.09546	19
	2.00	10.1811	8.14914	18
	Total	12.9371	6.86596	37
IDS_P1_left_100_200ms	1.00	14.3451	5.13968	19
	2.00	14.9882	10.52746	18
	Total	14.6580	8.10244	37
IDS_P1_right_100_200ms	1.00	13.4345	6.05815	19
	2.00	13.6222	11.80777	18
	Total	13.5258	9.17597	37

Multivariate Tests^a

Effect		Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
ADS_IDS	Pillai's Trace	.049	1.803 ^b	1.000	35.000	.188	.049
	Wilks' Lambda	.951	1.803 ^b	1.000	35.000	.188	.049
	Hotelling's Trace	.052	1.803 ^b	1.000	35.000	.188	.049
	Roy's Largest Root	.052	1.803 ^b	1.000	35.000	.188	.049
ADS_IDS * group	Pillai's Trace	.180	7.661 ^b	1.000	35.000	.009	.180
	Wilks' Lambda	.820	7.661 ^b	1.000	35.000	.009	.180
	Hotelling's Trace	.219	7.661 ^b	1.000	35.000	.009	.180
	Roy's Largest Root	.219	7.661 ^b	1.000	35.000	.009	.180
hem	Pillai's Trace	.007	.246 ^b	1.000	35.000	.623	.007
	Wilks' Lambda	.993	.246 ^b	1.000	35.000	.623	.007
	Hotelling's Trace	.007	.246 ^b	1.000	35.000	.623	.007
	Roy's Largest Root	.007	.246 ^b	1.000	35.000	.623	.007
hem * group	Pillai's Trace	.002	.066 ^b	1.000	35.000	.798	.002
	Wilks' Lambda	.998	.066 ^b	1.000	35.000	.798	.002
	Hotelling's Trace	.002	.066 ^b	1.000	35.000	.798	.002
	Roy's Largest Root	.002	.066 ^b	1.000	35.000	.798	.002
ADS_IDS * hem	Pillai's Trace	.066	2.470 ^b	1.000	35.000	.125	.066
	Wilks' Lambda	.934	2.470 ^b	1.000	35.000	.125	.066
	Hotelling's Trace	.071	2.470 ^b	1.000	35.000	.125	.066
	Roy's Largest Root	.071	2.470 ^b	1.000	35.000	.125	.066
ADS_IDS * hem * group	Pillai's Trace	.000	.001 ^b	1.000	35.000	.979	.000
	Wilks' Lambda	1.000	.001 ^b	1.000	35.000	.979	.000
	Hotelling's Trace	.000	.001 ^b	1.000	35.000	.979	.000
	Roy's Largest Root	.000	.001 ^b	1.000	35.000	.979	.000

- a. Design: Intercept + group
Within Subjects Design: ADS_IDS + hem + ADS_IDS * hem
- 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	Huynh-Feldt	Lower-bound
ADS_IDS	1.000	.000	0	.	1.000	1.000	1.000
hem	1.000	.000	0	.	1.000	1.000	1.000
ADS_IDS * hem	1.000	.000	0	.	1.000	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 + group
Within Subjects Design: ADS_IDS + hem + ADS_IDS * hem
- 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	Sig.	Partial Eta Squared
ADS_IDS	Sphericity Assumed	66.576	1	66.576	1.803	.188	.049
	Greenhouse-Geisser	66.576	1.000	66.576	1.803	.188	.049
	Huynh-Feldt	66.576	1.000	66.576	1.803	.188	.049
	Lower-bound	66.576	1.000	66.576	1.803	.188	.049
ADS_IDS * group	Sphericity Assumed	282.870	1	282.870	7.661	.009	.180
	Greenhouse-Geisser	282.870	1.000	282.870	7.661	.009	.180
	Huynh-Feldt	282.870	1.000	282.870	7.661	.009	.180
	Lower-bound	282.870	1.000	282.870	7.661	.009	.180
Error(ADS_IDS)	Sphericity Assumed	1292.276	35	36.922			
	Greenhouse-Geisser	1292.276	35.000	36.922			
	Huynh-Feldt	1292.276	35.000	36.922			
	Lower-bound	1292.276	35.000	36.922			
hem	Sphericity Assumed	7.830	1	7.830	.246	.623	.007
	Greenhouse-Geisser	7.830	1.000	7.830	.246	.623	.007
	Huynh-Feldt	7.830	1.000	7.830	.246	.623	.007
	Lower-bound	7.830	1.000	7.830	.246	.623	.007
hem * group	Sphericity Assumed	2.112	1	2.112	.066	.798	.002
	Greenhouse-Geisser	2.112	1.000	2.112	.066	.798	.002
	Huynh-Feldt	2.112	1.000	2.112	.066	.798	.002
	Lower-bound	2.112	1.000	2.112	.066	.798	.002
Error(hem)	Sphericity Assumed	1115.134	35	31.861			
	Greenhouse-Geisser	1115.134	35.000	31.861			
	Huynh-Feldt	1115.134	35.000	31.861			
	Lower-bound	1115.134	35.000	31.861			
ADS_IDS * hem	Sphericity Assumed	17.001	1	17.001	2.470	.125	.066
	Greenhouse-Geisser	17.001	1.000	17.001	2.470	.125	.066

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
	Huynh-Feldt	17.001	1.000	17.001	2.470	.125	.066
	Lower-bound	17.001	1.000	17.001	2.470	.125	.066
ADS_IDS * hem * group	Sphericity Assumed	.005	1	.005	.001	.979	.000
	Greenhouse-Geisser	.005	1.000	.005	.001	.979	.000
	Huynh-Feldt	.005	1.000	.005	.001	.979	.000
	Lower-bound	.005	1.000	.005	.001	.979	.000
Error (ADS_IDS*hem)	Sphericity Assumed	240.932	35	6.884			
	Greenhouse-Geisser	240.932	35.000	6.884			
	Huynh-Feldt	240.932	35.000	6.884			
	Lower-bound	240.932	35.000	6.884			

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	ADS_IDS	hem	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
ADS_IDS	Linear		66.576	1	66.576	1.803	.188	.049
ADS_IDS * group	Linear		282.870	1	282.870	7.661	.009	.180
Error(ADS_IDS)	Linear		1292.276	35	36.922			
hem		Linear	7.830	1	7.830	.246	.623	.007
hem * group		Linear	2.112	1	2.112	.066	.798	.002
Error(hem)		Linear	1115.134	35	31.861			
ADS_IDS * hem	Linear	Linear	17.001	1	17.001	2.470	.125	.066
ADS_IDS * hem * group	Linear	Linear	.005	1	.005	.001	.979	.000
Error (ADS_IDS*hem)	Linear	Linear	240.932	35	6.884			

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	26660.845	1	26660.845	174.839	.000	.833
group	204.293	1	204.293	1.340	.255	.037
Error	5337.072	35	152.488			

Estimated Marginal Means

1. Grand Mean

Measure: MEASURE_1

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
13.427	1.015	11.365	15.488

2. ADS_IDS

Estimates

Measure: MEASURE_1

ADS_IDS	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	12.756	.882	10.966	14.545
2	14.098	1.336	11.386	16.809

Pairwise Comparisons

Measure: MEASURE_1

(I) ADS_IDS	(J) ADS_IDS	Mean Difference (I-J)	Std. Error	Sig. ^a	95% Confidence Interval for Difference ^a	
					Lower Bound	Upper Bound
1	2	-1.342	.999	.188	-3.371	.687
2	1	1.342	.999	.188	-.687	3.371

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	.049	1.803 ^a	1.000	35.000	.188	.049
Wilks' lambda	.951	1.803 ^a	1.000	35.000	.188	.049
Hotelling's trace	.052	1.803 ^a	1.000	35.000	.188	.049
Roy's largest root	.052	1.803 ^a	1.000	35.000	.188	.049

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

a. Exact statistic

3. hem

Estimates

Measure: MEASURE_1

hem	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	13.657	.990	11.647	15.666
2	13.196	1.230	10.699	15.694

Pairwise Comparisons

Measure: MEASURE_1

(I) hem	(J) hem	Mean Difference (I-J)	Std. Error	Sig. ^a	95% Confidence Interval for Difference ^a	
					Lower Bound	Upper Bound
1	2	.460	.928	.623	-1.424	2.345
2	1	-.460	.928	.623	-2.345	1.424

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	.007	.246 ^a	1.000	35.000	.623	.007
Wilks' lambda	.993	.246 ^a	1.000	35.000	.623	.007
Hotelling's trace	.007	.246 ^a	1.000	35.000	.623	.007
Roy's largest root	.007	.246 ^a	1.000	35.000	.623	.007

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

a. Exact statistic

4. ADS_IDS * hem

Measure: MEASURE_1

ADS_IDS	hem	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
1	1	12.647	.948	10.721	14.572
	2	12.865	1.052	10.730	14.999
2	1	14.667	1.350	11.925	17.408
	2	13.528	1.530	10.421	16.635

5. group

Estimates

Measure: MEASURE_1

group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1.00	14.602	1.416	11.726	17.477
2.00	12.251	1.455	9.297	15.206

Pairwise Comparisons

Measure: MEASURE_1

(I) group	(J) group	Mean Difference (I-J)	Std. Error	Sig. ^a	95% Confidence Interval for Difference ^a	
					Lower Bound	Upper Bound
1.00	2.00	2.351	2.031	.255	-1.772	6.473
2.00	1.00	-2.351	2.031	.255	-6.473	1.772

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	51.073	1	51.073	1.340	.255	.037
Error	1334.268	35	38.122			

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

6. group * ADS_IDS

Measure: MEASURE_1

group	ADS_IDS	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
1.00	1	15.314	1.230	12.817	17.810
	2	13.890	1.863	10.107	17.673
2.00	1	10.197	1.263	7.632	12.762
	2	14.305	1.914	10.419	18.192

7. group * hem

Measure: MEASURE_1

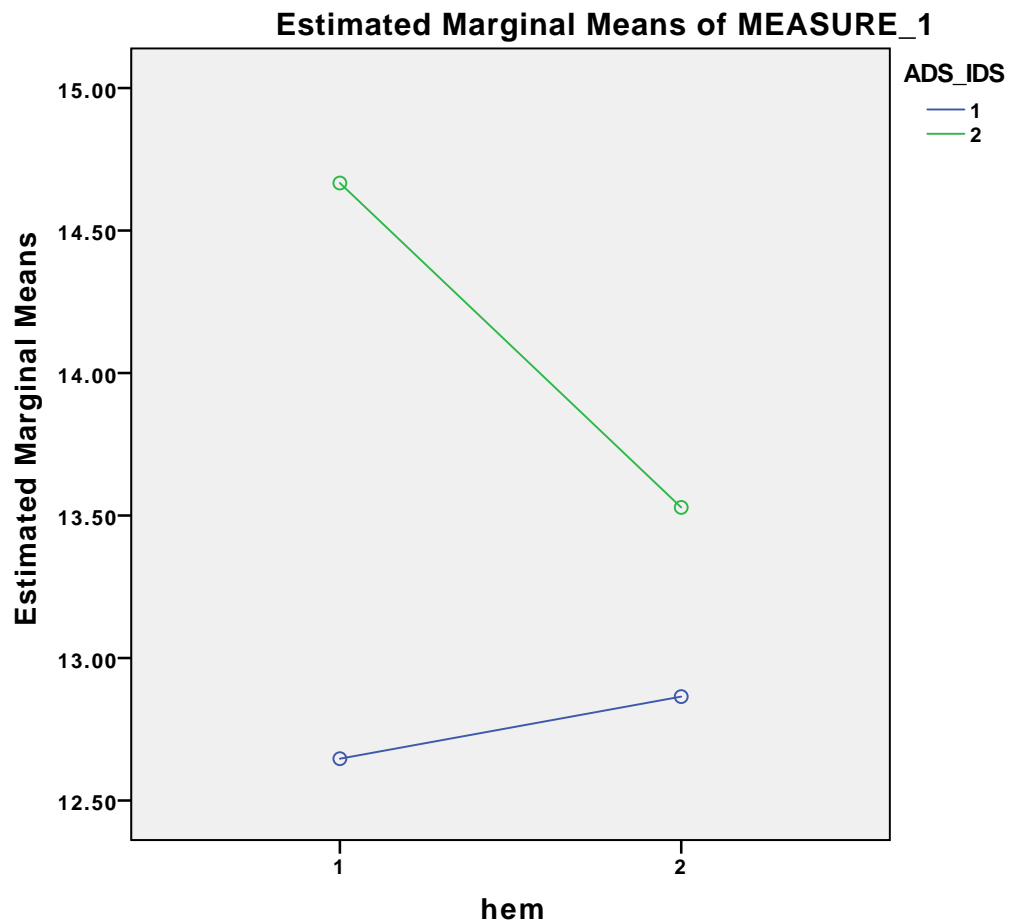
group	hem	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
1.00	1	14.712	1.381	11.910	17.515
	2	14.491	1.716	11.007	17.975
2.00	1	12.601	1.418	9.721	15.480
	2	11.902	1.763	8.322	15.481

8. group * ADS_IDS * hem

Measure: MEASURE_1

group	ADS_IDS	hem	Mean	Std. Error	95% Confidence Interval	
					Lower Bound	Upper Bound
1.00	1	1	15.080	1.323	12.394	17.766
		2	15.548	1.467	12.570	18.526
	2	1	14.345	1.884	10.521	18.169
		2	13.435	2.135	9.101	17.769
2.00	1	1	10.213	1.359	7.454	12.973
		2	10.181	1.507	7.122	13.241
	2	1	14.988	1.935	11.059	18.917
		2	13.622	2.193	9.169	18.075

Profile Plots



```
GLM ADS_P1_left_100_200ms ADS_P1_right_100_200ms IDS_P1_left_100_200ms IDS_
P1_right_100_200ms
  /WSFACTOR=ADS_IDS 2 Polynomial hem 2 Polynomial
  /METHOD=SSTYPE(3)
  /PLOT=PROFILE(hem*ADS_IDS)
  /EMMEANS=TABLES(OVERALL)
  /EMMEANS=TABLES(ADS_IDS) COMPARE ADJ(BONFERRONI)
  /EMMEANS=TABLES(hem) COMPARE ADJ(BONFERRONI)
  /EMMEANS=TABLES(ADS_IDS*hem)
  /PRINT=DESCRIPTIVE ETASQ
  /CRITERIA=ALPHA(.05)
  /WSDESIGN=ADS_IDS hem ADS_IDS*hem.
```

General Linear Model

Notes

Output Created		26-APR-2019 16:06:...
Comments		
Input	Data	/Users/szilvia/Box Sync/RA STUDIES/IDSFR/visual results/IDSFR_visual_final.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	group
	N of Rows in Working Data File	37
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		GLM ADS_P1_left_100_200ms ADS_P1_right_100_200ms IDS_P1_left_100_200ms IDS_P1_right_100_200ms /WSFACTOR=ADS_IDS 2 Polynomial hem 2 Polynomial /METHOD=SSTYPE(3) /PLOT=PROFILE (hem*ADS_IDS) /EMMEANS=TABLES (OVERALL) /EMMEANS=TABLES (ADS_IDS) COMPARE ADJ (BONFERRONI) /EMMEANS=TABLES (hem) COMPARE ADJ (BONFERRONI) /EMMEANS=TABLES (ADS_IDS*hem) /PRINT=DESCRIPTIVE ETASQ /CRITERIA=ALPHA(.05) /WSDSIGN=ADS_IDS hem ADS_IDS*hem.
Resources	Processor Time	00:00:00.50
	Elapsed Time	00:00:01.00

Within-Subjects Factors

Measure: MEASURE_1

ADS_IDS	hem	Dependent Variable
1	1	ADS_P1_left_100_200ms
	2	ADS_P1_right_100_200ms
2	1	IDS_P1_left_100_200ms
	2	IDS_P1_right_100_200ms

group = 1.00

Between

-

Subjects
Factors^a

a. group = 1.00

Descriptive Statistics^a

	Mean	Std. Deviation	N
ADS_P1_left_100_200ms	15.0798	4.46957	19
ADS_P1_right_100_200ms	15.5480	4.09546	19
IDS_P1_left_100_200ms	14.3451	5.13968	19
IDS_P1_right_100_200ms	13.4345	6.05815	19

a. group = 1.00

Multivariate Tests^{a,b}

Effect		Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
ADS_IDS	Pillai's Trace	.086	1.695 ^c	1.000	18.000	.209	.086
	Wilks' Lambda	.914	1.695 ^c	1.000	18.000	.209	.086
	Hotelling's Trace	.094	1.695 ^c	1.000	18.000	.209	.086
	Roy's Largest Root	.094	1.695 ^c	1.000	18.000	.209	.086
hem	Pillai's Trace	.002	.035 ^c	1.000	18.000	.854	.002
	Wilks' Lambda	.998	.035 ^c	1.000	18.000	.854	.002
	Hotelling's Trace	.002	.035 ^c	1.000	18.000	.854	.002
	Roy's Largest Root	.002	.035 ^c	1.000	18.000	.854	.002
ADS_IDS * hem	Pillai's Trace	.066	1.281 ^c	1.000	18.000	.272	.066
	Wilks' Lambda	.934	1.281 ^c	1.000	18.000	.272	.066
	Hotelling's Trace	.071	1.281 ^c	1.000	18.000	.272	.066
	Roy's Largest Root	.071	1.281 ^c	1.000	18.000	.272	.066

a. group = 1.00

b. Design: Intercept

Within Subjects Design: ADS_IDS + hem + ADS_IDS * hem

c. Exact statistic

Mauchly's Test of Sphericity^{a,b}

Measure: MEASURE_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon ^c		
					Greenhouse-Geisser	Huynh-Feldt	Lower-bound
ADS_IDS	1.000	.000	0	.	1.000	1.000	1.000
hem	1.000	.000	0	.	1.000	1.000	1.000
ADS_IDS * hem	1.000	.000	0	.	1.000	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. group = 1.00

b. Design: Intercept

Within Subjects Design: ADS_IDS + hem + ADS_IDS * hem

c. 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^a

Measure: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
ADS_IDS	Sphericity Assumed	38.534	1	38.534	1.695	.209	.086
	Greenhouse-Geisser	38.534	1.000	38.534	1.695	.209	.086
	Huynh-Feldt	38.534	1.000	38.534	1.695	.209	.086
	Lower-bound	38.534	1.000	38.534	1.695	.209	.086
Error(ADS_IDS)	Sphericity Assumed	409.174	18	22.732			
	Greenhouse-Geisser	409.174	18.000	22.732			
	Huynh-Feldt	409.174	18.000	22.732			
	Lower-bound	409.174	18.000	22.732			
hem	Sphericity Assumed	.930	1	.930	.035	.854	.002
	Greenhouse-Geisser	.930	1.000	.930	.035	.854	.002
	Huynh-Feldt	.930	1.000	.930	.035	.854	.002
	Lower-bound	.930	1.000	.930	.035	.854	.002
Error(hem)	Sphericity Assumed	479.086	18	26.616			
	Greenhouse-Geisser	479.086	18.000	26.616			
	Huynh-Feldt	479.086	18.000	26.616			
	Lower-bound	479.086	18.000	26.616			
ADS_IDS * hem	Sphericity Assumed	9.029	1	9.029	1.281	.272	.066
	Greenhouse-Geisser	9.029	1.000	9.029	1.281	.272	.066
	Huynh-Feldt	9.029	1.000	9.029	1.281	.272	.066
	Lower-bound	9.029	1.000	9.029	1.281	.272	.066
Error (ADS_IDS*hem)	Sphericity Assumed	126.832	18	7.046			
	Greenhouse-Geisser	126.832	18.000	7.046			
	Huynh-Feldt	126.832	18.000	7.046			
	Lower-bound	126.832	18.000	7.046			

a. group = 1.00

Tests of Within-Subjects Contrasts^a

Measure: MEASURE_1

Source	ADS_IDS	hem	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
ADS_IDS	Linear		38.534	1	38.534	1.695	.209	.086
Error(ADS_IDS)	Linear		409.174	18	22.732			
hem		Linear	.930	1	.930	.035	.854	.002
Error(hem)		Linear	479.086	18	26.616			
ADS_IDS * hem	Linear	Linear	9.029	1	9.029	1.281	.272	.066
Error (ADS_IDS*hem)	Linear	Linear	126.832	18	7.046			

a. group = 1.00

Tests of Between-Subjects Effects^a

Measure: MEASURE_1

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Intercept	16204.326	1	16204.326	372.741	.000	.954
Error	782.521	18	43.473			

a. group = 1.00

Estimated Marginal Means

1. Grand Mean^a

Measure: MEASURE_1

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
14.602	.756	13.013	16.191

a. group = 1.00

2. ADS_IDS

Estimates^a

Measure: MEASURE_1

ADS_IDS	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	15.314	.767	13.703	16.925
2	13.890	1.074	11.633	16.147

a. group = 1.00

Pairwise Comparisons^a

Measure: MEASURE_1

(I) ADS_IDS (J) ADS_IDS		Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence Interval for Difference ^b	
					Lower Bound	Upper Bound
1	2	1.424	1.094	.209	-.874	3.722
2	1	-1.424	1.094	.209	-3.722	.874

Based on estimated marginal means

a. group = 1.00

b. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests^a

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.086	1.695 ^b	1.000	18.000	.209	.086
Wilks' lambda	.914	1.695 ^b	1.000	18.000	.209	.086
Hotelling's trace	.094	1.695 ^b	1.000	18.000	.209	.086
Roy's largest root	.094	1.695 ^b	1.000	18.000	.209	.086

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

a. group = 1.00

b. Exact statistic

3. hem

Estimates^a

Measure: MEASURE_1

hem	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	14.712	.853	12.920	16.505
2	14.491	1.057	12.271	16.711

a. group = 1.00

Pairwise Comparisons^a

Measure: MEASURE_1

(I) hem	(J) hem	Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence Interval for Difference ^b	
					Lower Bound	Upper Bound
1	2	.221	1.184	.854	-2.265	2.708
2	1	-.221	1.184	.854	-2.708	2.265

Based on estimated marginal means

a. group = 1.00

b. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests^a

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.002	.035 ^b	1.000	18.000	.854	.002
Wilks' lambda	.998	.035 ^b	1.000	18.000	.854	.002
Hotelling's trace	.002	.035 ^b	1.000	18.000	.854	.002
Roy's largest root	.002	.035 ^b	1.000	18.000	.854	.002

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

a. group = 1.00

b. Exact statistic

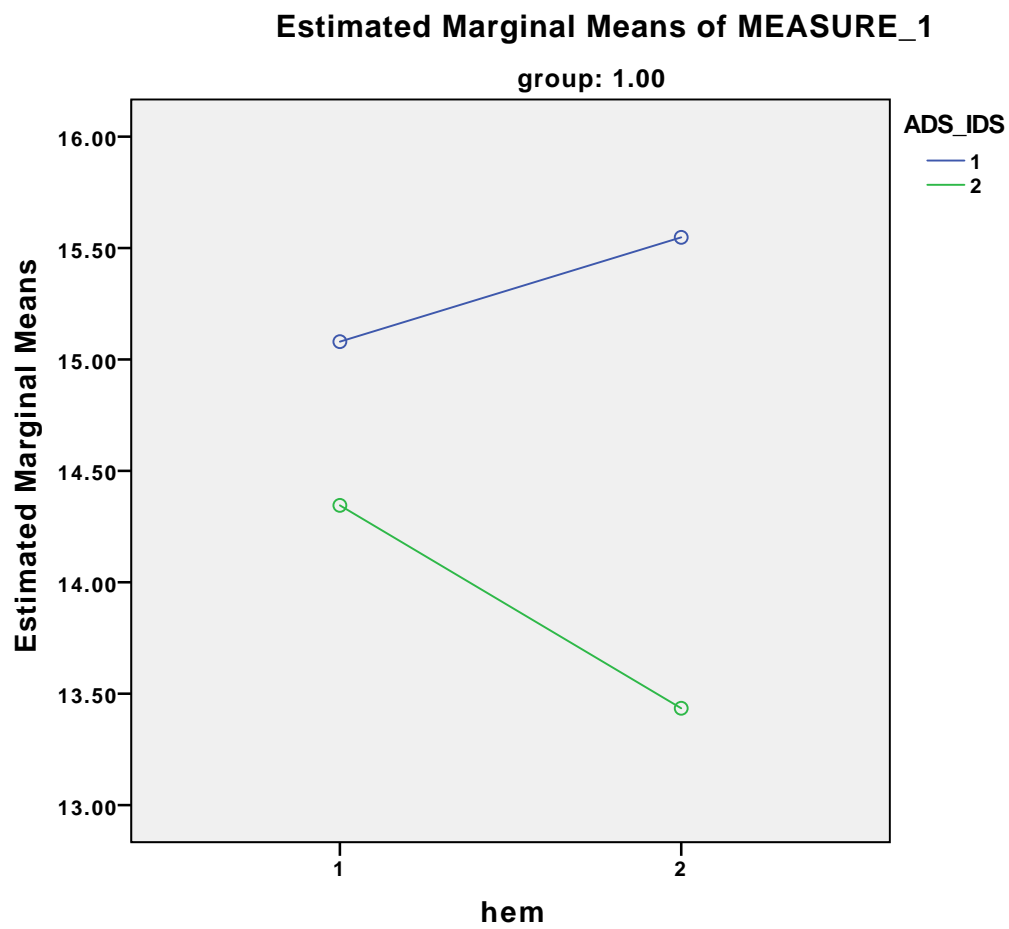
4. ADS_IDS * hem^a

Measure: MEASURE_1

ADS_IDS	hem	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
1	1	15.080	1.025	12.926	17.234
	2	15.548	.940	13.574	17.522
2	1	14.345	1.179	11.868	16.822
	2	13.435	1.390	10.515	16.354

a. group = 1.00

Profile Plots



group = 2.00

Between
-
Subjects
Factors^a



a. group = 2.00

Descriptive Statistics^a

	Mean	Std. Deviation	N
ADS_P1_left_100_200ms	10.2135	6.87959	18
ADS_P1_right_100_200ms	10.1811	8.14914	18
IDS_P1_left_100_200ms	14.9882	10.52746	18
IDS_P1_right_100_200ms	13.6222	11.80777	18

a. group = 2.00

Multivariate Tests^{a,b}

Effect		Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
ADS_IDS	Pillai's Trace	.256	5.847 ^c	1.000	17.000	.027	.256
	Wilks' Lambda	.744	5.847 ^c	1.000	17.000	.027	.256
	Hotelling's Trace	.344	5.847 ^c	1.000	17.000	.027	.256
	Roy's Largest Root	.344	5.847 ^c	1.000	17.000	.027	.256
hem	Pillai's Trace	.014	.235 ^c	1.000	17.000	.634	.014
	Wilks' Lambda	.986	.235 ^c	1.000	17.000	.634	.014
	Hotelling's Trace	.014	.235 ^c	1.000	17.000	.634	.014
	Roy's Largest Root	.014	.235 ^c	1.000	17.000	.634	.014
ADS_IDS * hem	Pillai's Trace	.066	1.193 ^c	1.000	17.000	.290	.066
	Wilks' Lambda	.934	1.193 ^c	1.000	17.000	.290	.066
	Hotelling's Trace	.070	1.193 ^c	1.000	17.000	.290	.066
	Roy's Largest Root	.070	1.193 ^c	1.000	17.000	.290	.066

a. group = 2.00

b. Design: Intercept
Within Subjects Design: ADS_IDS + hem + ADS_IDS * hem

c. Exact statistic

Mauchly's Test of Sphericity^{a,b}

Measure: MEASURE_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon ^c		
					Greenhouse-Geisser	Huynh-Feldt	Lower-bound
ADS_IDS	1.000	.000	0	.	1.000	1.000	1.000
hem	1.000	.000	0	.	1.000	1.000	1.000
ADS_IDS * hem	1.000	.000	0	.	1.000	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. group = 2.00

b. Design: Intercept

Within Subjects Design: ADS_IDS + hem + ADS_IDS * hem

c. 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^a

Measure: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
ADS_IDS	Sphericity Assumed	303.744	1	303.744	5.847	.027	.256
	Greenhouse-Geisser	303.744	1.000	303.744	5.847	.027	.256
	Huynh-Feldt	303.744	1.000	303.744	5.847	.027	.256
	Lower-bound	303.744	1.000	303.744	5.847	.027	.256
Error(ADS_IDS)	Sphericity Assumed	883.102	17	51.947			
	Greenhouse-Geisser	883.102	17.000	51.947			
	Huynh-Feldt	883.102	17.000	51.947			
	Lower-bound	883.102	17.000	51.947			
hem	Sphericity Assumed	8.799	1	8.799	.235	.634	.014
	Greenhouse-Geisser	8.799	1.000	8.799	.235	.634	.014
	Huynh-Feldt	8.799	1.000	8.799	.235	.634	.014
	Lower-bound	8.799	1.000	8.799	.235	.634	.014
Error(hem)	Sphericity Assumed	636.047	17	37.415			
	Greenhouse-Geisser	636.047	17.000	37.415			
	Huynh-Feldt	636.047	17.000	37.415			
	Lower-bound	636.047	17.000	37.415			
ADS_IDS * hem	Sphericity Assumed	8.004	1	8.004	1.193	.290	.066
	Greenhouse-Geisser	8.004	1.000	8.004	1.193	.290	.066
	Huynh-Feldt	8.004	1.000	8.004	1.193	.290	.066
	Lower-bound	8.004	1.000	8.004	1.193	.290	.066
Error (ADS_IDS*hem)	Sphericity Assumed	114.101	17	6.712			
	Greenhouse-Geisser	114.101	17.000	6.712			
	Huynh-Feldt	114.101	17.000	6.712			
	Lower-bound	114.101	17.000	6.712			

a. group = 2.00

Tests of Within-Subjects Contrasts^a

Measure: MEASURE_1

Source	ADS_IDS	hem	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
ADS_IDS	Linear		303.744	1	303.744	5.847	.027	.256
Error(ADS_IDS)	Linear		883.102	17	51.947			
hem		Linear	8.799	1	8.799	.235	.634	.014
Error(hem)		Linear	636.047	17	37.415			
ADS_IDS * hem	Linear	Linear	8.004	1	8.004	1.193	.290	.066
Error (ADS_IDS*hem)	Linear	Linear	114.101	17	6.712			

a. group = 2.00

Tests of Between-Subjects Effects^a

Measure: MEASURE_1

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Intercept	10806.694	1	10806.694	40.336	.000	.704
Error	4554.552	17	267.915			

a. group = 2.00

Estimated Marginal Means

1. Grand Mean^a

Measure: MEASURE_1

Mean	Std. Error	95% Confidence Interval	
		Lower Bound	Upper Bound
12.251	1.929	8.181	16.321

a. group = 2.00

2. ADS_IDS

Estimates^a

Measure: MEASURE_1

ADS_IDS	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	10.197	1.622	6.776	13.618
2	14.305	2.501	9.028	19.582

a. group = 2.00

Pairwise Comparisons^a

Measure: MEASURE_1

(I) ADS_IDS	(J) ADS_IDS	Mean Difference (I-J)	Std. Error	Sig. ^c	95% Confidence Interval for Difference ^c	
					Lower Bound	Upper Bound
1	2	-4.108 [*]	1.699	.027	-7.692	-.524
2	1	4.108 [*]	1.699	.027	.524	7.692

Based on estimated marginal means

*. The mean difference is significant at the

a. group = 2.00

c. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests^a

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.256	5.847 ^b	1.000	17.000	.027	.256
Wilks' lambda	.744	5.847 ^b	1.000	17.000	.027	.256
Hotelling's trace	.344	5.847 ^b	1.000	17.000	.027	.256
Roy's largest root	.344	5.847 ^b	1.000	17.000	.027	.256

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

a. group = 2.00

b. Exact statistic

3. hem

Estimates^a

Measure: MEASURE_1

hem	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	12.601	1.825	8.751	16.450
2	11.902	2.270	7.113	16.691

a. group = 2.00

Pairwise Comparisons^a

Measure: MEASURE_1

(I) hem	(J) hem	Mean Difference (I-J)	Std. Error	Sig. ^b	95% Confidence Interval for Difference ^b	
					Lower Bound	Upper Bound
1	2	.699	1.442	.634	-2.343	3.741
2	1	-.699	1.442	.634	-3.741	2.343

Based on estimated marginal means

a. group = 2.00

b. Adjustment for multiple comparisons: Bonferroni.

Multivariate Tests^a

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.014	.235 ^b	1.000	17.000	.634	.014
Wilks' lambda	.986	.235 ^b	1.000	17.000	.634	.014
Hotelling's trace	.014	.235 ^b	1.000	17.000	.634	.014
Roy's largest root	.014	.235 ^b	1.000	17.000	.634	.014

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

a. group = 2.00

b. Exact statistic

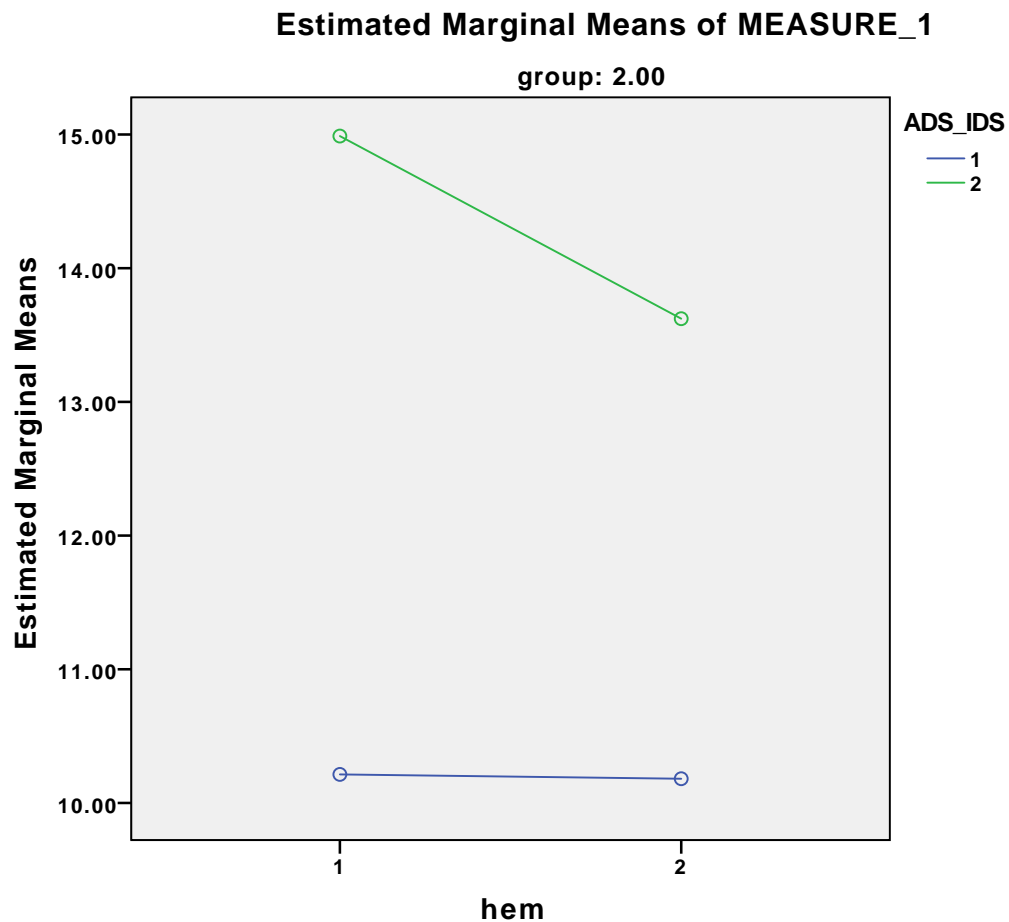
4. ADS_IDS * hem^a

Measure: MEASURE_1

ADS_IDS	hem	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
1	1	10.213	1.622	6.792	13.635
	2	10.181	1.921	6.129	14.234
2	1	14.988	2.481	9.753	20.223
	2	13.622	2.783	7.750	19.494

a. group = 2.00

Profile Plots



```
GET
  FILE='/Users/szilvia/Box Sync/RA STUDIES/IDSFR/NEW ANALYSIS/visual results/IDSFR_visual_final.sav'.
DATASET NAME DataSet1 WINDOW=FRONT.
SORT CASES BY group.
SPLIT FILE SEPARATE BY group.
T-TEST PAIRS=ADS_Nc WITH IDS_Nc (PAIRED)
  /CRITERIA=CI(.9500)
  /MISSING=ANALYSIS.
```

T-Test

Notes

Output Created	04-MAY-2019 15:25:...	
Comments		
Input	Data	/Users/szilvia/Box Sync/RA STUDIES/IDSFR/NEW ANALYSIS/visual results/IDSFR_visual_final.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	group
	N of Rows in Working Data File	37
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax	T-TEST PAIRS=ADS_Nc WITH IDS_Nc (PAIRED) /CRITERIA=CI(.9500) /MISSING=ANALYSIS.	
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00

[DataSet1] /Users/szilvia/Box Sync/RA STUDIES/IDSFR/NEW ANALYSIS/visual results/IDSFR_visual_final.sav

group = 1.00

Paired Samples Statistics^a

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	ADS_Nc	-9.0171	19	5.66387	1.29938
	IDS_Nc	-9.1992	19	4.85119	1.11294

a. group = 1.00

Paired Samples Correlations^a

	N	Correlation	Sig.
Pair 1 ADS_Nc & IDS_Nc	19	.520	.022

a. group = 1.00

Paired Samples Test^a

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower	Upper			
Pair 1	ADS_Nc - IDS_Nc	.18207	5.19817	1.19254	-2.32337	2.68750	.153	18	.880

a. group = 1.00

group = 2.00

Paired Samples Statistics^a

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 ADS_Nc	-7.2569	18	3.64139	.85828
IDS_Nc	-10.7255	18	4.78466	1.12776

a. group = 2.00

Paired Samples Correlations^a

	N	Correlation	Sig.
Pair 1 ADS_Nc & IDS_Nc	18	.699	.001

a. group = 2.00

Paired Samples Test^a

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	ADS_Nc - IDS_Nc	3.46860	3.43254	.80906	1.76164	5.17556	4.287	17	.000

a. group = 2.00

NPAR TESTS

/WILCOXON=ADS_Nc WITH IDS_Nc (PAIRED)

/MISSING ANALYSIS.

NPar Tests

Notes

Output Created		04-MAY-2019 15:29:...
Comments		
Input	Data	/Users/szilvia/Box Sync/RA STUDIES/IDSFR/NEW ANALYSIS/visual results/IDSFR_visual_final.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	group
	N of Rows in Working Data File	37
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable(s) used in that test.
Syntax		NPAR TESTS /WILCOXON=ADS_Nc WITH IDS_Nc (PAIRED) /MISSING ANALYSIS.
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Number of Cases Allowed ^a	449389

a. Based on availability of workspace memory.

group = 1.00

Wilcoxon Signed Ranks Test

Ranks^a

	N	Mean Rank	Sum of Ranks
IDS_Nc - ADS_Nc Negative Ranks	9 ^b	10.33	93.00
Positive Ranks	10 ^c	9.70	97.00
Ties	0 ^d		
Total	19		

a. group = 1.00

b. IDS_Nc < ADS_Nc

c. IDS_Nc > ADS_Nc

d. IDS_Nc = ADS_Nc

Test Statistics^{a,b}

	IDS_Nc - ADS_Nc
Z	-.080 ^c
Asymp. Sig. (2-tailed)	.936

a. group = 1.00

b. Wilcoxon Signed Ranks Test

c. Based on negative ranks.

group = 2.00

Wilcoxon Signed Ranks Test

Ranks^a

	N	Mean Rank	Sum of Ranks
IDS_Nc - ADS_Nc Negative Ranks	15 ^b	10.33	155.00
Positive Ranks	3 ^c	5.33	16.00
Ties	0 ^d		
Total	18		

a. group = 2.00

b. IDS_Nc < ADS_Nc

c. IDS_Nc > ADS_Nc

d. IDS_Nc = ADS_Nc

Test Statistics^{a,b}

	IDS_Nc - ADS_Nc
Z	-3.027 ^c
Asymp. Sig. (2-tailed)	.002

a. group = 2.00

b. Wilcoxon Signed Ranks Test

c. Based on positive ranks.

```

COMPUTE P1_ADS=MEAN(ADS_vis_N170_left, ADS_vis_N170_right).
EXECUTE.
COMPUTE P1_IDS=MEAN(IDS_vis_N170_left, IDS_vis_N170_right).
EXECUTE.
COMPUTE P1_ADS=MEAN(ADS_P1_left_100_200ms, ADS_P1_right_100_200ms).
EXECUTE.
COMPUTE P1_IDS=MEAN(IDS_P1_left_100_200ms, IDS_P1_right_100_200ms).
EXECUTE.
NPAR TESTS
  /WILCOXON=P1_ADS WITH P1_IDS (PAIRED)

```


/MISSING ANALYSIS.

NPar Tests

Notes

Output Created	04-MAY-2019 15:32:...	
Comments		
Input	Data	/Users/szilvia/Box Sync/RA STUDIES/IDSFR/NEW ANALYSIS/visual results/IDSFR_visual_fin al.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	group
	N of Rows in Working Data File	37
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable(s) used in that test.
Syntax	NPAR TESTS /WILCOXON=N1_ADS WITH N1_IDS (PAIRED) /MISSING ANALYSIS.	
Resources	Processor Time	00:00:00.00
	Elapsed Time	00:00:00.00
	Number of Cases Allowed ^a	449389

a. Based on availability of workspace memory.

group = 1.00

Wilcoxon Signed Ranks Test

Ranks^a

	N	Mean Rank	Sum of Ranks
N1_IDS - N1_ADS Negative Ranks	14 ^b	11.57	162.00
Positive Ranks	5 ^c	5.60	28.00
Ties	0 ^d		
Total	19		

a. group = 1.00

b. N1_IDS < N1_ADS

c. N1_IDS > N1_ADS

d. N1_IDS = N1_ADS

Test Statistics^{a,b}

	N1_IDS - N1_ADS
Z	-2.696 ^c
Asymp. Sig. (2-tailed)	.007

a. group = 1.00

b. Wilcoxon Signed Ranks Test

c. Based on positive ranks.

group = 2.00

Wilcoxon Signed Ranks Test

Ranks^a

	N	Mean Rank	Sum of Ranks
N1_IDS - N1_ADS Negative Ranks	9 ^b	7.89	71.00
Positive Ranks	9 ^c	11.11	100.00
Ties	0 ^d		
Total	18		

a. group = 2.00

b. N1_IDS < N1_ADS

c. N1_IDS > N1_ADS

d. N1_IDS = N1_ADS

Test Statistics^{a,b}

	N1_IDS - N1_ADS
Z	-.631 ^c
Asymp. Sig. (2-tailed)	.528

a. group = 2.00

b. Wilcoxon Signed Ranks Test

c. Based on negative ranks.

NPAR TESTS

/WILCOXON=P1_ADS WITH P1_IDS (PAIRED)

/MISSING ANALYSIS.

NPar Tests

Notes

Output Created	04-MAY-2019 15:32:...	
Comments		
Input	Data	/Users/szilvia/Box Sync/RA STUDIES/IDSFR/NEW ANALYSIS/visual results/IDSFR_visual_final.sav
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	group
	N of Rows in Working Data File	37
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics for each test are based on all cases with valid data for the variable(s) used in that test.
Syntax	NPAR TESTS /WILCOXON=P1_ADS WITH P1_IDS (PAIRED) /MISSING ANALYSIS.	
Resources	Processor Time	00:00:00.01
	Elapsed Time	00:00:00.00
	Number of Cases Allowed ^a	449389

a. Based on availability of workspace memory.

group = 1.00

Wilcoxon Signed Ranks Test

Ranks^a

		N	Mean Rank	Sum of Ranks
P1_IDS - P1_ADS	Negative Ranks	11 ^b	10.82	119.00
	Positive Ranks	8 ^c	8.88	71.00
	Ties	0 ^d		
	Total	19		

a. group = 1.00

b. P1_IDS < P1_ADS

c. P1_IDS > P1_ADS

d. P1_IDS = P1_ADS

Test Statistics^{a,b}

	P1_IDS - P1_ADS
Z	-.966 ^c
Asymp. Sig. (2-tailed)	.334

a. group = 1.00

b. Wilcoxon Signed Ranks Test

c. Based on positive ranks.

group = 2.00

Wilcoxon Signed Ranks Test

Ranks^a

	N	Mean Rank	Sum of Ranks
P1_IDS - P1_ADS Negative Ranks	7 ^b	6.29	44.00
Positive Ranks	11 ^c	11.55	127.00
Ties	0 ^d		
Total	18		

a. group = 2.00

b. P1_IDS < P1_ADS

c. P1_IDS > P1_ADS

d. P1_IDS = P1_ADS

Test Statistics^{a,b}

	P1_IDS - P1_ADS
Z	-1.807 ^c
Asymp. Sig. (2-tailed)	.071

a. group = 2.00

b. Wilcoxon Signed Ranks Test

c. Based on negative ranks.

```
COMPUTE N1_ADS_latency=MEAN(ADS_N170left_latency ADS_N170right_latency).
EXECUTE.
```

```
COMPUTE N1_IDS_latency=MEAN(IDS_N170left_latency IDS_N170right_latency).
EXECUTE.
```

```
NPAR TESTS
```

```
  /WILCOXON=N1_ADS_latency WITH N1_IDS_latency (PAIRED)
```

```
  /MISSING ANALYSIS.
```