

## Oneway

### Descriptives

		N	Mean	Std. Deviation	Std. Error
Pretest - Independent SC	Control	10	76.10	13.536	4.280
	Western	10	77.40	9.698	3.067
	Chinese	10	76.60	12.730	4.025
	Total	30	76.70	11.689	2.134
Pretest - Interdependent SC	Control	10	78.10	9.983	3.157
	Western	10	72.70	11.973	3.786
	Chinese	10	73.10	13.996	4.426
	Total	30	74.63	11.935	2.179

### Descriptives

		95% Confidence Interval for Mean			
		Lower Bound	Upper Bound	Minimum	Maximum
Pretest - Independent SC	Control	66.42	85.78	56	97
	Western	70.46	84.34	62	92
	Chinese	67.49	85.71	57	100
	Total	72.34	81.06	56	100
Pretest - Interdependent SC	Control	70.96	85.24	59	93
	Western	64.14	81.26	51	88
	Chinese	63.09	83.11	49	89
	Total	70.18	79.09	49	93

### Tests of Homogeneity of Variances

		Levene Statistic	df1	df2
Pretest - Independent SC	Based on Mean	.816	2	27
	Based on Median	.809	2	27
	Based on Median and with adjusted df	.809	2	23.725
	Based on trimmed mean	.816	2	27
Pretest - Interdependent SC	Based on Mean	.586	2	27
	Based on Median	.499	2	27
	Based on Median and with adjusted df	.499	2	25.179
	Based on trimmed mean	.577	2	27

## Tests of Homogeneity of Variances

		Sig.
Pretest - Independent SC	Based on Mean	.453
	Based on Median	.456
	Based on Median and with adjusted df	.457
	Based on trimmed mean	.453
Pretest - Interdependent SC	Based on Mean	.563
	Based on Median	.613
	Based on Median and with adjusted df	.613
	Based on trimmed mean	.568

## ANOVA

		Sum of Squares	df	Mean Square	F
Pretest - Independent SC	Between Groups	8.600	2	4.300	.029
	Within Groups	3953.700	27	146.433	
	Total	3962.300	29		
Pretest - Interdependent SC	Between Groups	181.067	2	90.533	.619
	Within Groups	3949.900	27	146.293	
	Total	4130.967	29		

## ANOVA

		Sig.
Pretest - Independent SC	Between Groups	.971
	Within Groups	
	Total	
Pretest - Interdependent SC	Between Groups	.546
	Within Groups	
	Total	

## Post Hoc Tests

## Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.
Pretest - Independent SC	Control	Western	-1.300	5.412	.969
		Chinese	-.500	5.412	.995
	Western	Control	1.300	5.412	.969
		Chinese	.800	5.412	.988
	Chinese	Control	.500	5.412	.995
		Western	-.800	5.412	.988
Pretest - Interdependent SC	Control	Western	5.400	5.409	.584
		Chinese	5.000	5.409	.630
	Western	Control	-5.400	5.409	.584
		Chinese	-.400	5.409	.997
	Chinese	Control	-5.000	5.409	.630
		Western	.400	5.409	.997

## Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Group	(J) Group	95% Confidence Interval	
			Lower Bound	Upper Bound
Pretest - Independent SC	Control	Western	-14.72	12.12
		Chinese	-13.92	12.92
	Western	Control	-12.12	14.72
		Chinese	-12.62	14.22
	Chinese	Control	-12.92	13.92
		Western	-14.22	12.62
Pretest - Interdependent SC	Control	Western	-8.01	18.81
		Chinese	-8.41	18.41
	Western	Control	-18.81	8.01
		Chinese	-13.81	13.01
	Chinese	Control	-18.41	8.41
		Western	-13.01	13.81

## Homogeneous Subsets

## Pretest - Independent SC

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05
		1
Control	10	76.10
Chinese	10	76.60
Western	10	77.40
Sig.		.969

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

## Pretest - Interdependent SC

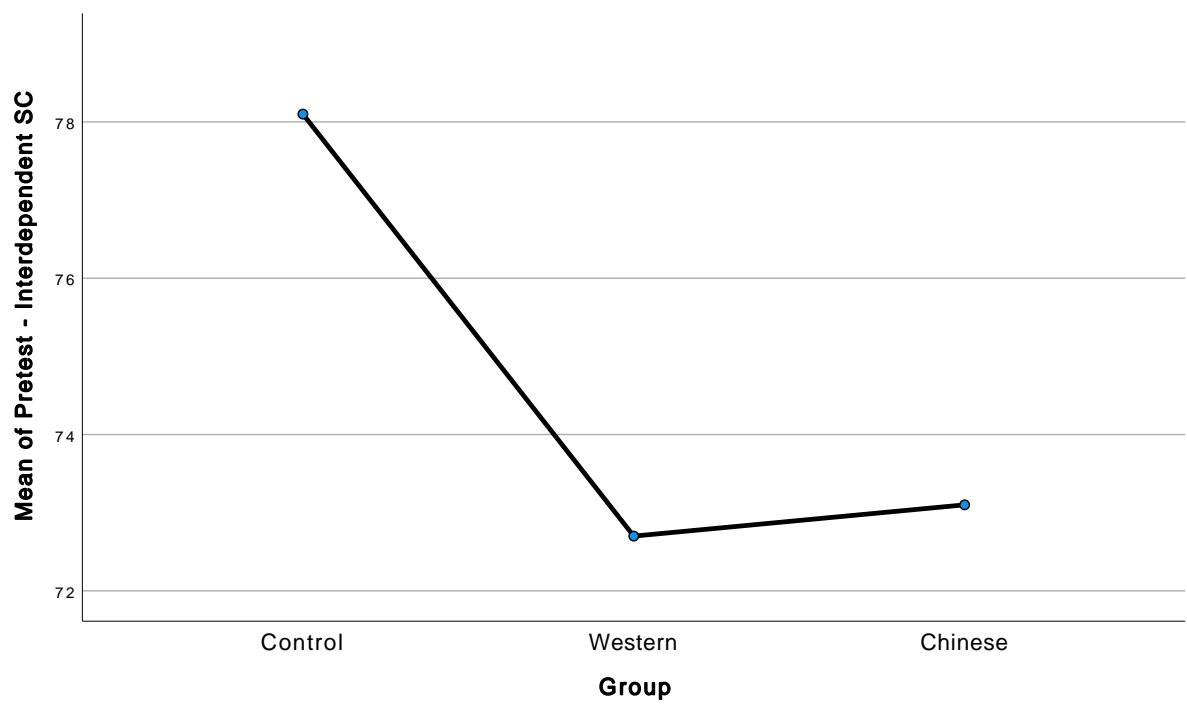
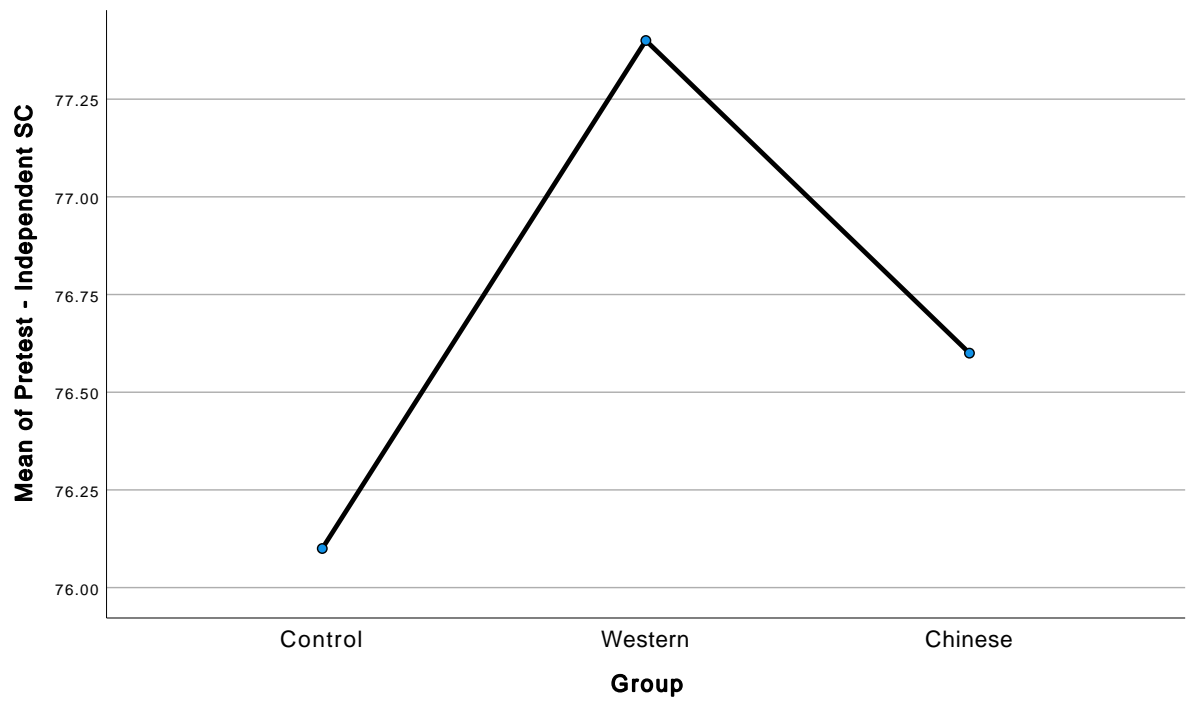
Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05
		1
Western	10	72.70
Chinese	10	73.10
Control	10	78.10
Sig.		.584

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

## Means Plots



**Oneway**

## Descriptives

		N	Mean	Std. Deviation	Std. Error
Pretest - Difference-Similarity	Control	10	3.850	4.9049	1.5511
	Western	10	.200	3.5135	1.1111
	Chinese	10	1.800	2.8008	.8857
	Total	30	1.950	4.0051	.7312
Pretest - Self-containment-Connectedness	Control	10	-6.600	6.4239	2.0314
	Western	10	-9.900	3.8283	1.2106
	Chinese	10	-6.400	5.8252	1.8421
	Total	30	-7.633	5.5273	1.0091
Pretest - Self-direct-Receptive-influence	Control	10	1.250	4.2704	1.3504
	Western	10	1.700	5.2132	1.6486
	Chinese	10	2.450	2.6609	.8415
	Total	30	1.800	4.0675	.7426
Pretest - Self-expression-Harmony	Control	10	-1.100	3.5024	1.1075
	Western	10	.650	4.6431	1.4683
	Chinese	10	-2.500	2.7889	.8819
	Total	30	-.983	3.8248	.6983
Pretest - Consistent-Variable	Control	10	-4.000	3.5198	1.1131
	Western	10	.400	5.3686	1.6977
	Chinese	10	-.550	3.3620	1.0631
	Total	30	-1.383	4.4715	.8164
Pretest - Contextualised	Control	10	3.450	4.6634	1.4747
	Western	10	.350	3.9303	1.2429
	Chinese	10	1.650	4.7084	1.4889
	Total	30	1.817	4.4827	.8184
Pretest - Self-reliance-Dependence	Control	10	4.300	4.4920	1.4205
	Western	10	3.550	4.1059	1.2984
	Chinese	10	2.750	3.9739	1.2566
	Total	30	3.533	4.0999	.7485
Pretest - Self-interest-Commit-others	Control	10	.750	3.7509	1.1861
	Western	10	-1.000	3.8944	1.2315
	Chinese	10	-.550	2.7024	.8546
	Total	30	-.267	3.4510	.6301

## Descriptives

		95% Confidence Interval for Mean			
		Lower Bound	Upper Bound	Minimum	Maximum
Pretest - Difference-Similarity	Control	.341	7.359	-3.0	12.0
	Western	-2.313	2.713	-5.5	7.5
	Chinese	-.204	3.804	-1.0	7.0
	Total	.454	3.446	-5.5	12.0
Pretest - Self-containment-Connectedness	Control	-11.195	-2.005	-14.0	2.0
	Western	-12.639	-7.161	-15.5	-4.0
	Chinese	-10.567	-2.233	-17.0	2.0
	Total	-9.697	-5.569	-17.0	2.0
Pretest - Self-direct-Receptive-influence	Control	-1.805	4.305	-5.5	10.0
	Western	-2.029	5.429	-9.5	8.0
	Chinese	.546	4.354	-1.0	5.5
	Total	.281	3.319	-9.5	10.0
Pretest - Self-expression-Harmony	Control	-3.605	1.405	-7.0	5.5
	Western	-2.671	3.971	-5.5	8.5
	Chinese	-4.495	-.505	-8.5	2.0
	Total	-2.412	.445	-8.5	8.5
Pretest - Consistent-Variable	Control	-6.518	-1.482	-10.0	.5
	Western	-3.440	4.240	-6.5	12.0
	Chinese	-2.955	1.855	-7.5	4.5
	Total	-3.053	.286	-10.0	12.0
Pretest - Contextualised	Control	.114	6.786	-3.0	12.0
	Western	-2.462	3.162	-5.5	6.0
	Chinese	-1.718	5.018	-6.5	8.0
	Total	.143	3.491	-6.5	12.0
Pretest - Self-reliance-Dependence	Control	1.087	7.513	-3.5	12.0
	Western	.613	6.487	-2.0	9.0
	Chinese	-.093	5.593	-2.5	8.5
	Total	2.002	5.064	-3.5	12.0
Pretest - Self-interest-Commit-others	Control	-1.933	3.433	-2.5	10.5
	Western	-3.786	1.786	-6.0	4.0
	Chinese	-2.483	1.383	-4.5	4.5
	Total	-1.555	1.022	-6.0	10.5

## Tests of Homogeneity of Variances

		Levene Statistic	df1	df2
Pretest - Difference-Similarity	Based on Mean	1.737	2	27
	Based on Median	1.301	2	27
	Based on Median and with adjusted df	1.301	2	25.217
	Based on trimmed mean	1.675	2	27
Pretest - Self-containment-Connectedness	Based on Mean	2.135	2	27
	Based on Median	1.395	2	27
	Based on Median and with adjusted df	1.395	2	23.991
	Based on trimmed mean	2.107	2	27
Pretest - Self-direct-Receptive-influence	Based on Mean	.587	2	27
	Based on Median	.403	2	27
	Based on Median and with adjusted df	.403	2	18.705
	Based on trimmed mean	.526	2	27
Pretest - Self-expression-Harmony	Based on Mean	1.329	2	27
	Based on Median	1.233	2	27
	Based on Median and with adjusted df	1.233	2	24.936
	Based on trimmed mean	1.331	2	27
Pretest - Consistent-Variable	Based on Mean	.796	2	27
	Based on Median	.352	2	27
	Based on Median and with adjusted df	.352	2	19.265
	Based on trimmed mean	.653	2	27
Pretest - Contextualised	Based on Mean	.330	2	27
	Based on Median	.139	2	27
	Based on Median and with adjusted df	.139	2	23.673
	Based on trimmed mean	.311	2	27
Pretest - Self-reliance-Dependence	Based on Mean	.007	2	27
	Based on Median	.010	2	27
	Based on Median and with adjusted df	.010	2	22.747
	Based on trimmed mean	.007	2	27
Pretest - Self-interest-Commit-others	Based on Mean	.884	2	27
	Based on Median	.878	2	27



## Tests of Homogeneity of Variances

		Sig.
Pretest - Difference-Similarity	Based on Mean	.195
	Based on Median	.289
	Based on Median and with adjusted df	.290
	Based on trimmed mean	.206
Pretest - Self-containment-Connectedness	Based on Mean	.138
	Based on Median	.265
	Based on Median and with adjusted df	.267
	Based on trimmed mean	.141
Pretest - Self-direct-Receptive-influence	Based on Mean	.563
	Based on Median	.672
	Based on Median and with adjusted df	.674
	Based on trimmed mean	.597
Pretest - Self-expression-Harmony	Based on Mean	.282
	Based on Median	.307
	Based on Median and with adjusted df	.309
	Based on trimmed mean	.281
Pretest - Consistent-Variable	Based on Mean	.462
	Based on Median	.707
	Based on Median and with adjusted df	.708
	Based on trimmed mean	.528
Pretest - Contextualised	Based on Mean	.722
	Based on Median	.871
	Based on Median and with adjusted df	.871
	Based on trimmed mean	.735
Pretest - Self-reliance-Dependence	Based on Mean	.993
	Based on Median	.990
	Based on Median and with adjusted df	.990
	Based on trimmed mean	.993
Pretest - Self-interest-Commit-others	Based on Mean	.425
	Based on Median	.427

### Tests of Homogeneity of Variances

		Levene Statistic	df1	df2
	Based on Median and with adjusted df	.878	2	19.950
	Based on trimmed mean	.913	2	27

### Tests of Homogeneity of Variances

		Sig.
	Based on Median and with adjusted df	.431
	Based on trimmed mean	.413

### ANOVA

		Sum of Squares	df	Mean Square	F
Pretest - Difference-Similarity	Between Groups	66.950	2	33.475	2.270
	Within Groups	398.225	27	14.749	
	Total	465.175	29		
Pretest - Self-containment-Connectedness	Between Groups	77.267	2	38.633	1.290
	Within Groups	808.700	27	29.952	
	Total	885.967	29		
Pretest - Self-direct-Receptive-influence	Between Groups	7.350	2	3.675	.210
	Within Groups	472.450	27	17.498	
	Total	479.800	29		
Pretest - Self-expression-Harmony	Between Groups	49.817	2	24.908	1.796
	Within Groups	374.425	27	13.868	
	Total	424.242	29		
Pretest - Consistent-Variable	Between Groups	107.217	2	53.608	3.063
	Within Groups	472.625	27	17.505	
	Total	579.842	29		
Pretest - Contextualised	Between Groups	48.467	2	24.233	1.225
	Within Groups	534.275	27	19.788	
	Total	582.742	29		
Pretest - Self-reliance-Dependence	Between Groups	12.017	2	6.008	.341
	Within Groups	475.450	27	17.609	
	Total	487.467	29		
Pretest - Self-interest-Commit-others	Between Groups	16.517	2	8.258	.678
	Within Groups	328.850	27	12.180	
	Total	345.367	29		

## ANOVA

		Sig.
Pretest - Difference-Similarity	Between Groups	.123
	Within Groups	
	Total	
Pretest - Self-containment-Connectedness	Between Groups	.292
	Within Groups	
	Total	
Pretest - Self-direct-Receptive-influence	Between Groups	.812
	Within Groups	
	Total	
Pretest - Self-expression-Harmony	Between Groups	.185
	Within Groups	
	Total	
Pretest - Consistent-Variable	Between Groups	.063
	Within Groups	
	Total	
Pretest - Contextualised	Between Groups	.310
	Within Groups	
	Total	
Pretest - Self-reliance-Dependence	Between Groups	.714
	Within Groups	
	Total	
Pretest - Self-interest-Commit-others	Between Groups	.516
	Within Groups	
	Total	

## Post Hoc Tests

## Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.
Pretest - Difference-Similarity	Control	Western	3.6500	1.7175	.104
		Chinese	2.0500	1.7175	.467
	Western	Control	-3.6500	1.7175	.104
		Chinese	-1.6000	1.7175	.625
	Chinese	Control	-2.0500	1.7175	.467
		Western	1.6000	1.7175	.625
Pretest - Self-containment-Connectedness	Control	Western	3.3000	2.4475	.382
		Chinese	-.2000	2.4475	.996
	Western	Control	-3.3000	2.4475	.382
		Chinese	-3.5000	2.4475	.340
	Chinese	Control	.2000	2.4475	.996
		Western	3.5000	2.4475	.340
Pretest - Self-direct-Receptive-influence	Control	Western	-.4500	1.8707	.969
		Chinese	-1.2000	1.8707	.799
	Western	Control	.4500	1.8707	.969
		Chinese	-.7500	1.8707	.915
	Chinese	Control	1.2000	1.8707	.799
		Western	.7500	1.8707	.915
Pretest - Self-expression-Harmony	Control	Western	-1.7500	1.6654	.552
		Chinese	1.4000	1.6654	.681
	Western	Control	1.7500	1.6654	.552
		Chinese	3.1500	1.6654	.161
	Chinese	Control	-1.4000	1.6654	.681
		Western	-3.1500	1.6654	.161
Pretest - Consistent-Variable	Control	Western	-4.4000	1.8711	.066
		Chinese	-3.4500	1.8711	.175
	Western	Control	4.4000	1.8711	.066
		Chinese	.9500	1.8711	.868
	Chinese	Control	3.4500	1.8711	.175
		Western	-.9500	1.8711	.868
Pretest - Contextualised	Control	Western	3.1000	1.9894	.281
		Chinese	1.8000	1.9894	.642
	Western	Control	-3.1000	1.9894	.281
		Chinese	-1.3000	1.9894	.792
	Chinese	Control	-1.8000	1.9894	.642
		Western	1.3000	1.9894	.792
Pretest - Self-reliance-Dependence	Control	Western	.7500	1.8767	.916
		Chinese	1.5500	1.8767	.690

## Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Group	(J) Group	95% Confidence Interval	
			Lower Bound	Upper Bound
Pretest - Difference-Similarity	Control	Western	-.608	7.908
		Chinese	-2.208	6.308
	Western	Control	-7.908	.608
		Chinese	-5.858	2.658
	Chinese	Control	-6.308	2.208
		Western	-2.658	5.858
Pretest - Self-containment-Connectedness	Control	Western	-2.768	9.368
		Chinese	-6.268	5.868
	Western	Control	-9.368	2.768
		Chinese	-9.568	2.568
	Chinese	Control	-5.868	6.268
		Western	-2.568	9.568
Pretest - Self-direct-Receptive-influence	Control	Western	-5.088	4.188
		Chinese	-5.838	3.438
	Western	Control	-4.188	5.088
		Chinese	-5.388	3.888
	Chinese	Control	-3.438	5.838
		Western	-3.888	5.388
Pretest - Self-expression-Harmony	Control	Western	-5.879	2.379
		Chinese	-2.729	5.529
	Western	Control	-2.379	5.879
		Chinese	-.979	7.279
	Chinese	Control	-5.529	2.729
		Western	-7.279	.979
Pretest - Consistent-Variable	Control	Western	-9.039	.239
		Chinese	-8.089	1.189
	Western	Control	-.239	9.039
		Chinese	-3.689	5.589
	Chinese	Control	-1.189	8.089
		Western	-5.589	3.689
Pretest - Contextualised	Control	Western	-1.832	8.032
		Chinese	-3.132	6.732
	Western	Control	-8.032	1.832
		Chinese	-6.232	3.632
	Chinese	Control	-6.732	3.132
		Western	-3.632	6.232
Pretest - Self-reliance-Dependence	Control	Western	-3.903	5.403
		Chinese	-3.103	6.203

## Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.
Pretest - Self-interest-Commit-others	Western	Control	-.7500	1.8767	.916
		Chinese	.8000	1.8767	.905
	Chinese	Control	-1.5500	1.8767	.690
		Western	-.8000	1.8767	.905
	Control	Western	1.7500	1.5607	.510
		Chinese	1.3000	1.5607	.686
	Western	Control	-1.7500	1.5607	.510
		Chinese	-.4500	1.5607	.955
	Chinese	Control	-1.3000	1.5607	.686
		Western	.4500	1.5607	.955

## Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Group	(J) Group	95% Confidence Interval	
			Lower Bound	Upper Bound
	Western	Control	-5.403	3.903
		Chinese	-3.853	5.453
	Chinese	Control	-6.203	3.103
		Western	-5.453	3.853
Pretest - Self-interest-Commit-others	Control	Western	-2.120	5.620
		Chinese	-2.570	5.170
	Western	Control	-5.620	2.120
		Chinese	-4.320	3.420
	Chinese	Control	-5.170	2.570
		Western	-3.420	4.320

## Homogeneous Subsets

### Pretest - Difference-Similarity

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05
		1
Western	10	.200
Chinese	10	1.800
Control	10	3.850
Sig.		.104

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

### Pretest - Self-containment-Connectedness

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05
		1
Western	10	-9.900
Control	10	-6.600
Chinese	10	-6.400
Sig.		.340

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

### Pretest - Self-direct- Receptive-influence

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05 1
Control	10	1.250
Western	10	1.700
Chinese	10	2.450
Sig.		.799

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

### Pretest - Self-expression- Harmony

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05 1
Chinese	10	-2.500
Control	10	-1.100
Western	10	.650
Sig.		.161

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.



### Pretest - Consistent-Variable

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05
		1
Control	10	-4.000
Chinese	10	-.550
Western	10	.400
Sig.		.066

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

### Pretest - Contextualised

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05
		1
Western	10	.350
Chinese	10	1.650
Control	10	3.450
Sig.		.281

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

### Pretest - Self-reliance-Dependence

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05
		1
Chinese	10	2.750
Western	10	3.550
Control	10	4.300
Sig.		.690

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

## Pretest - Self-interest-Commit-others

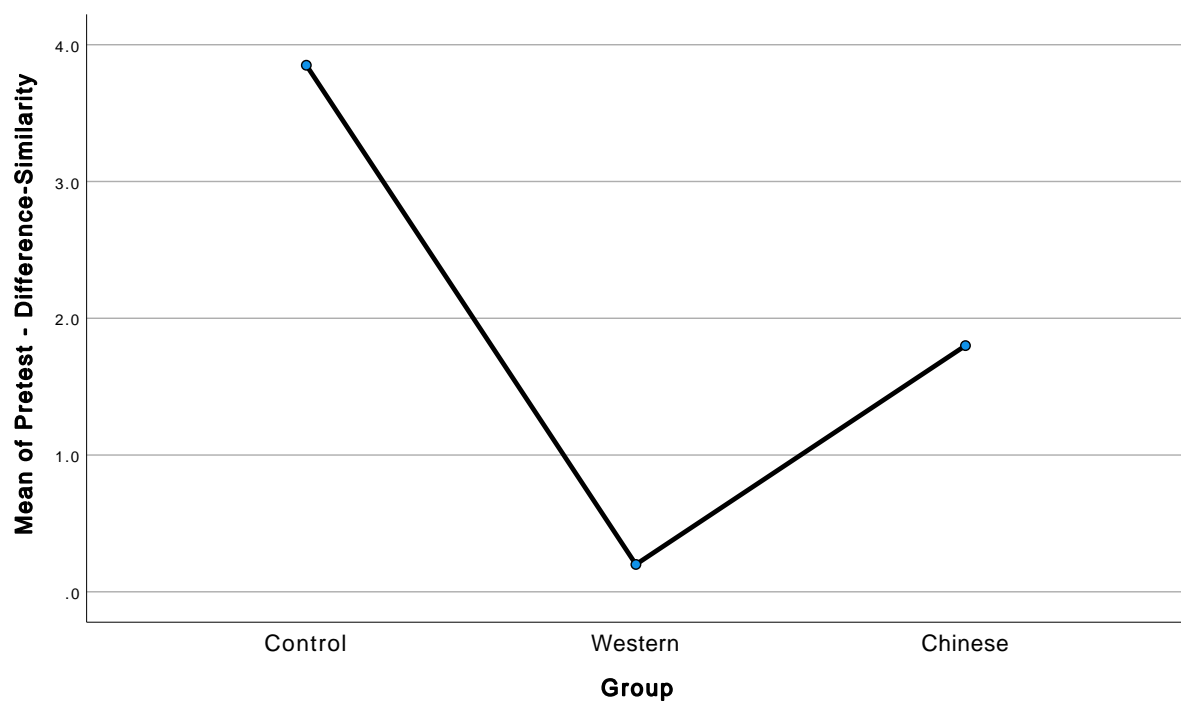
Tukey HSD<sup>a</sup>

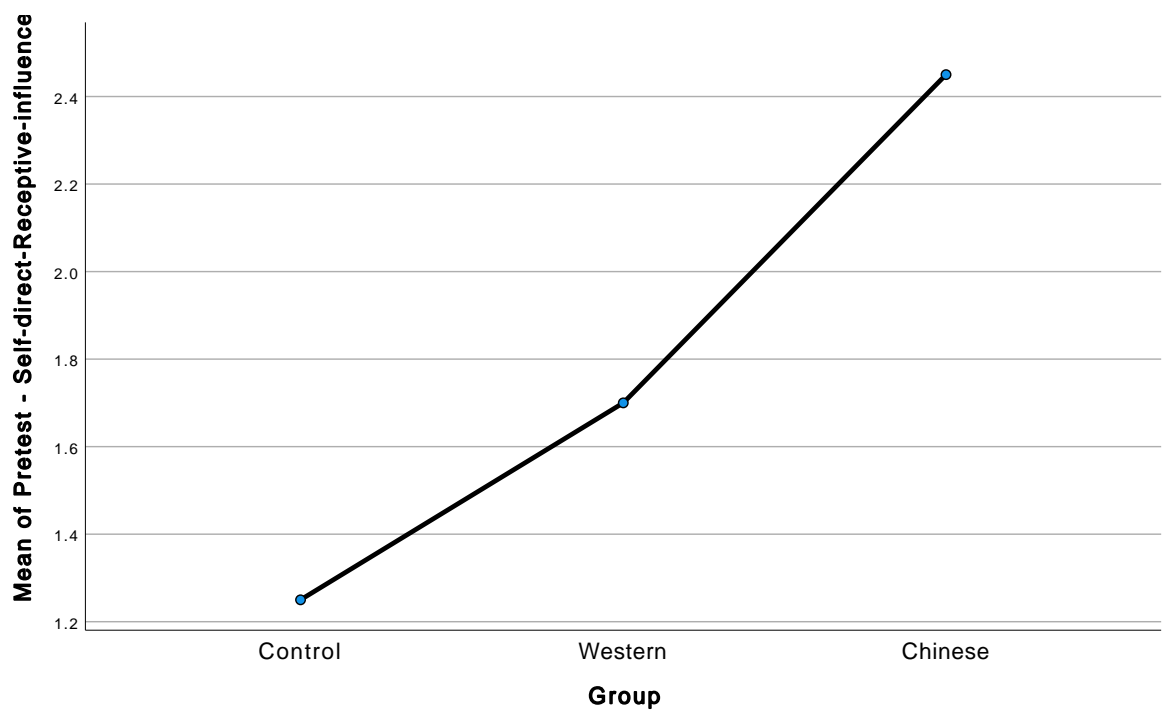
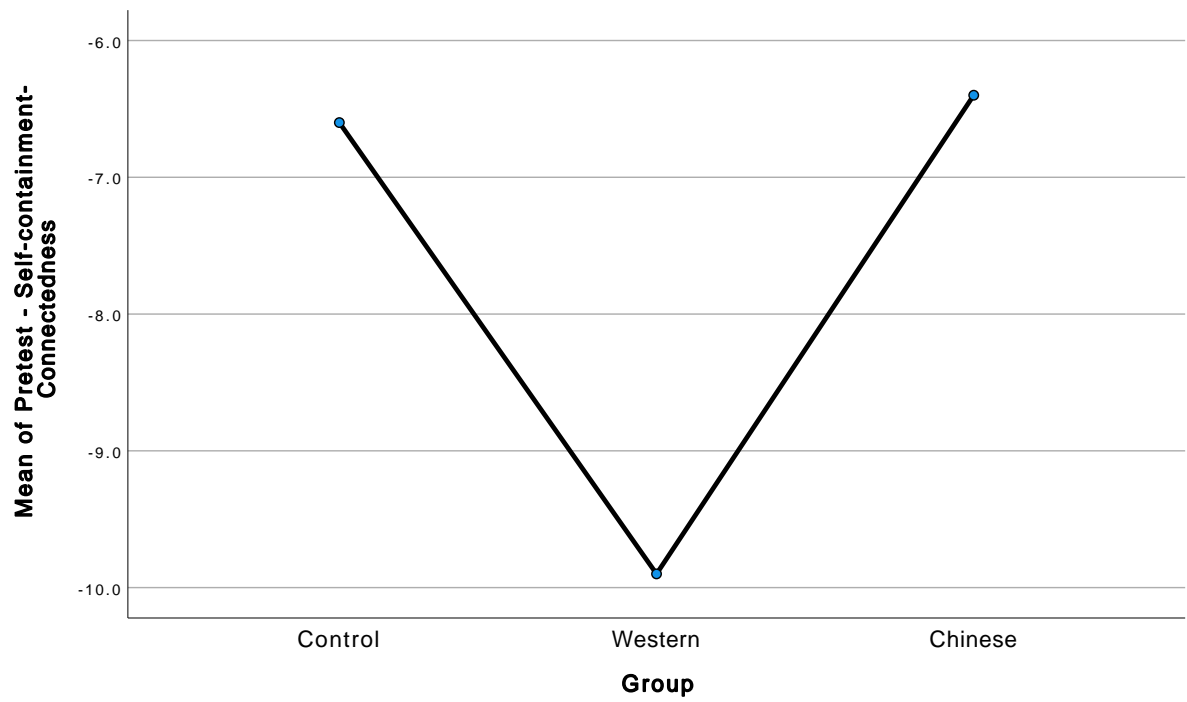
Group	N	Subset for alpha = 0.05
Western	10	-1.000
Chinese	10	-.550
Control	10	.750
Sig.		.510

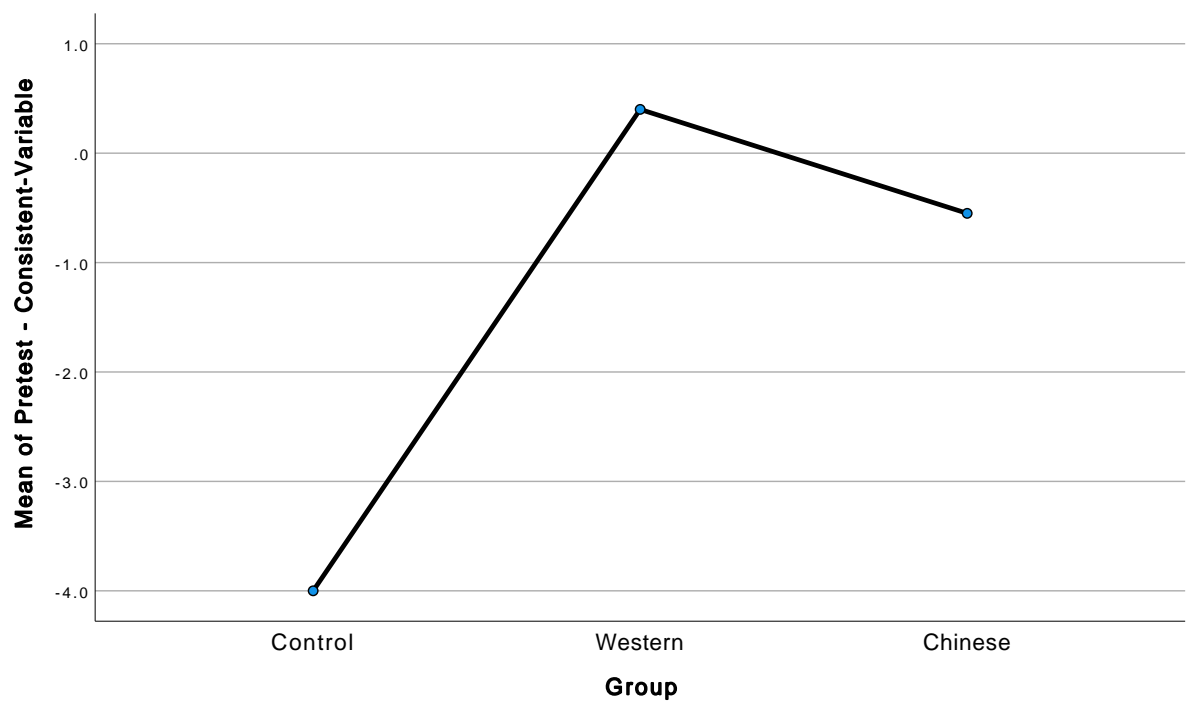
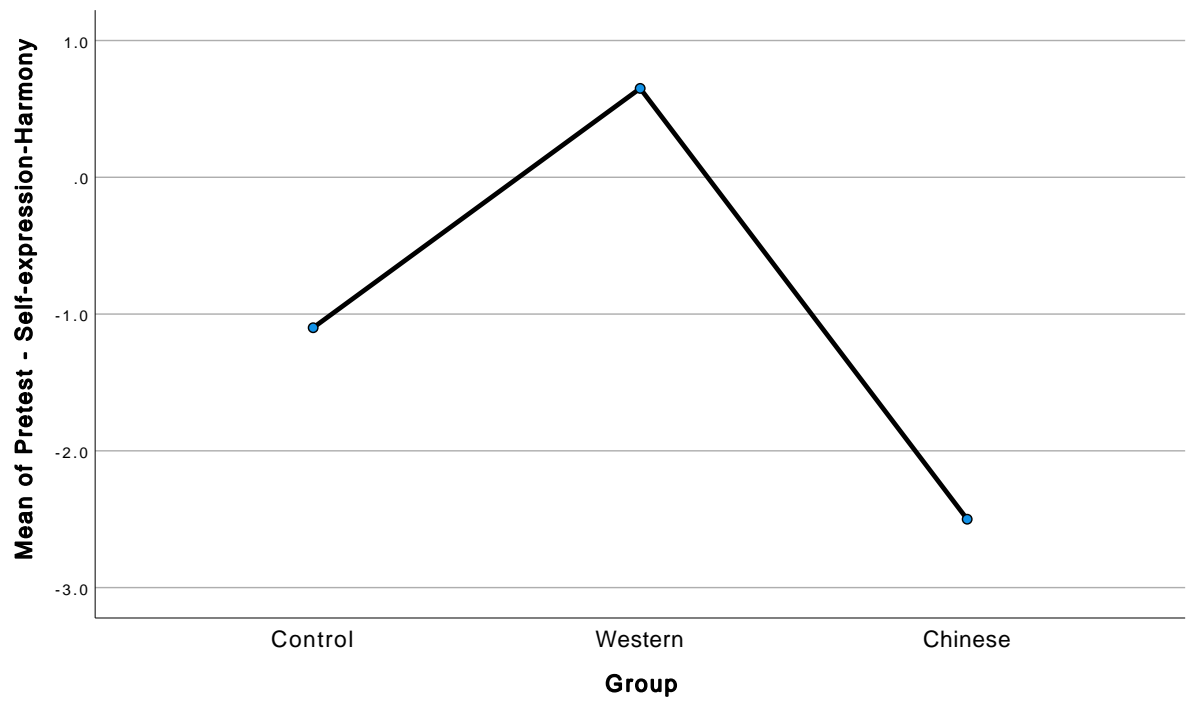
Means for groups in homogeneous subsets are displayed.

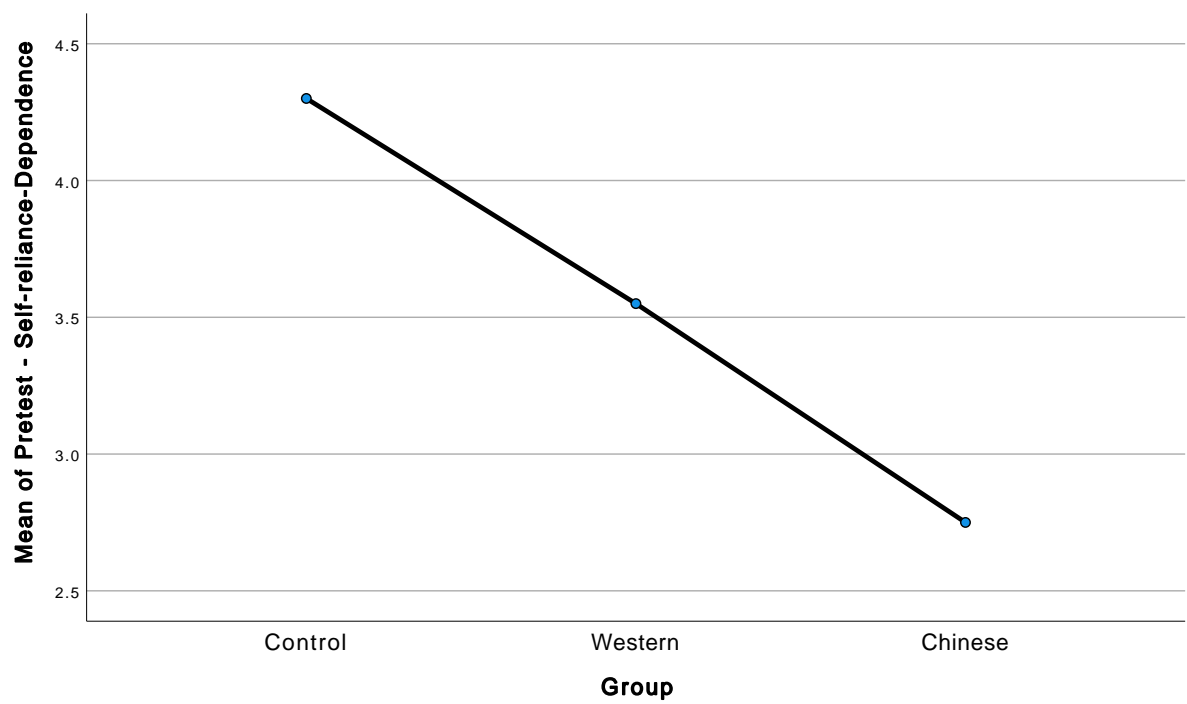
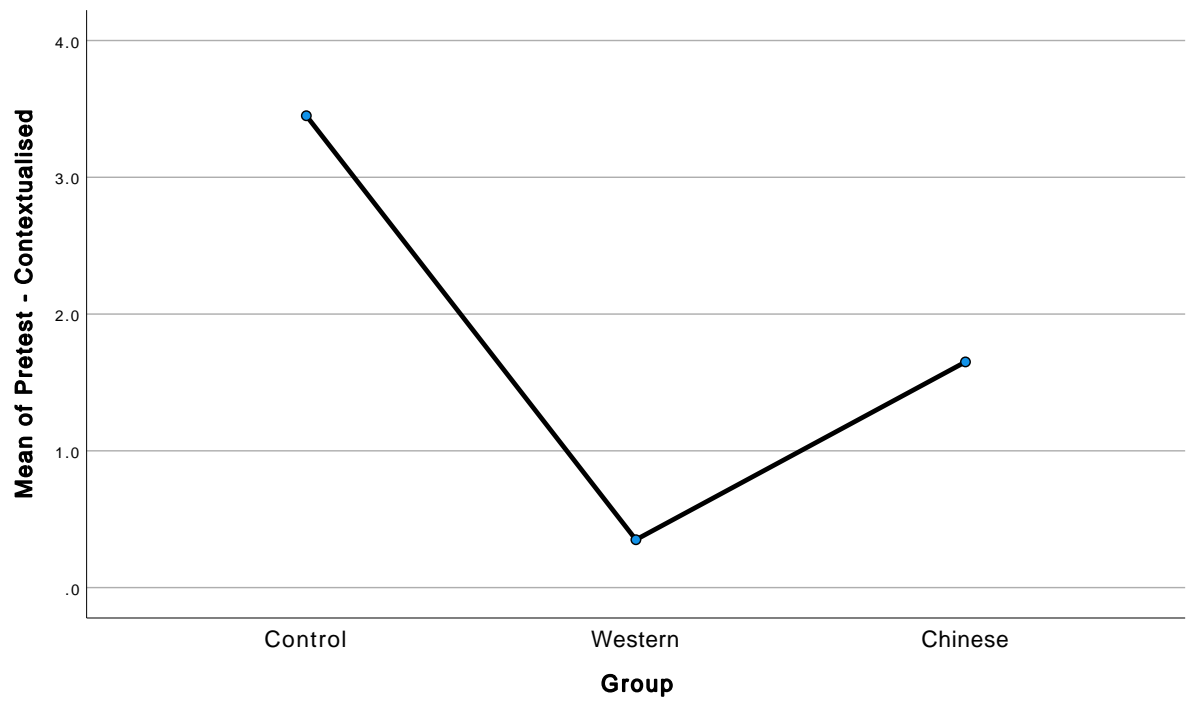
a. Uses Harmonic Mean Sample Size = 10.000.

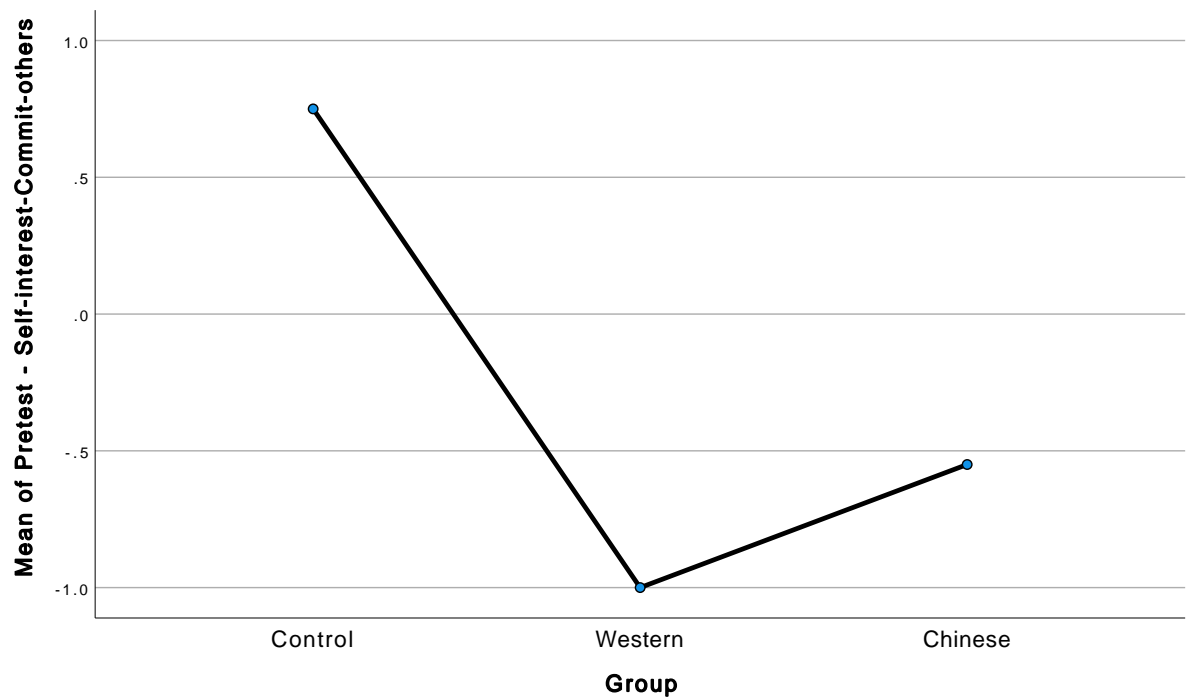
## Means Plots











## Oneway

### Descriptives

		N	Mean	Std. Deviation	Std. Error
Posttest - Independent SC	Control	10	72.50	10.855	3.433
	Western	10	75.90	8.239	2.605
	Chinese	10	73.20	9.807	3.101
	Total	30	73.87	9.471	1.729
Posttest - Interdependent SC	Control	10	73.80	10.654	3.369
	Western	10	69.60	13.874	4.387
	Chinese	10	67.00	11.566	3.658
	Total	30	70.13	12.025	2.195

### Descriptives

		95% Confidence Interval for Mean		Minimum	Maximum
		Lower Bound	Upper Bound		
Posttest - Independent SC	Control	64.73	80.27	59	96
	Western	70.01	81.79	64	89
	Chinese	66.18	80.22	57	85
	Total	70.33	77.40	57	96
Posttest - Interdependent SC	Control	66.18	81.42	56	89
	Western	59.68	79.52	47	87
	Chinese	58.73	75.27	47	80
	Total	65.64	74.62	47	89

### Tests of Homogeneity of Variances

		Levene Statistic	df1	df2
Posttest - Independent SC	Based on Mean	.342	2	27
	Based on Median	.193	2	27
	Based on Median and with adjusted df	.193	2	24.209
	Based on trimmed mean	.326	2	27
Posttest - Interdependent SC	Based on Mean	.641	2	27
	Based on Median	.595	2	27
	Based on Median and with adjusted df	.595	2	26.084
	Based on trimmed mean	.648	2	27

### Tests of Homogeneity of Variances

		Sig.
Posttest - Independent SC	Based on Mean	.714
	Based on Median	.826
	Based on Median and with adjusted df	.826
	Based on trimmed mean	.725
Posttest - Interdependent SC	Based on Mean	.534
	Based on Median	.558
	Based on Median and with adjusted df	.559
	Based on trimmed mean	.531

### ANOVA

		Sum of Squares	df	Mean Square	F
Posttest - Independent SC	Between Groups	64.467	2	32.233	.343
	Within Groups	2537.000	27	93.963	
	Total	2601.467	29		
Posttest - Interdependent SC	Between Groups	235.467	2	117.733	.803
	Within Groups	3958.000	27	146.593	
	Total	4193.467	29		

## ANOVA

		Sig.
Posttest - Independent SC	Between Groups	.713
	Within Groups	
	Total	
Posttest - Interdependent SC	Between Groups	.458
	Within Groups	
	Total	

## Post Hoc Tests

### Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.
Posttest - Independent SC	Control	Western	-3.400	4.335	.716
		Chinese	-.700	4.335	.986
	Western	Control	3.400	4.335	.716
		Chinese	2.700	4.335	.809
	Chinese	Control	.700	4.335	.986
		Western	-2.700	4.335	.809
Posttest - Interdependent SC	Control	Western	4.200	5.415	.721
		Chinese	6.800	5.415	.432
	Western	Control	-4.200	5.415	.721
		Chinese	2.600	5.415	.881
	Chinese	Control	-6.800	5.415	.432
		Western	-2.600	5.415	.881



## Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Group	(J) Group	95% Confidence Interval	
			Lower Bound	Upper Bound
Posttest - Independent SC	Control	Western	-14.15	7.35
		Chinese	-11.45	10.05
	Western	Control	-7.35	14.15
		Chinese	-8.05	13.45
	Chinese	Control	-10.05	11.45
		Western	-13.45	8.05
Posttest - Interdependent SC	Control	Western	-9.23	17.63
		Chinese	-6.63	20.23
	Western	Control	-17.63	9.23
		Chinese	-10.83	16.03
	Chinese	Control	-20.23	6.63
		Western	-16.03	10.83

## Homogeneous Subsets

### Posttest - Independent SC

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05
		1
Control	10	72.50
Chinese	10	73.20
Western	10	75.90
Sig.		.716

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

## Posttest - Interdependent SC

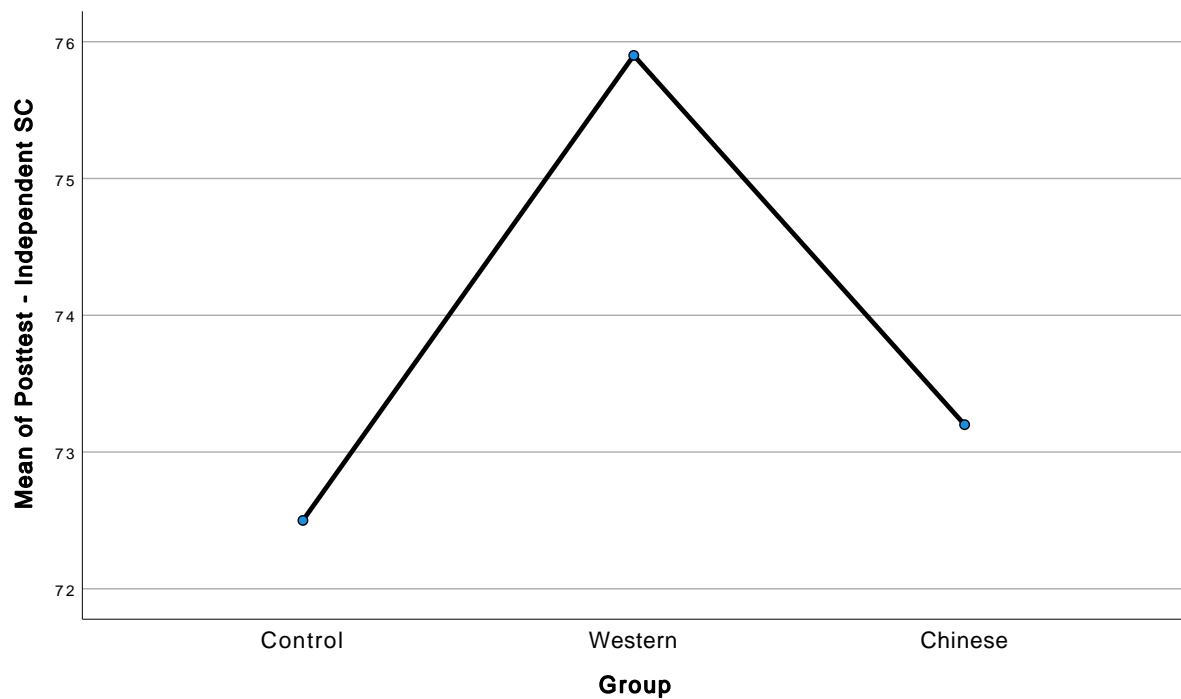
Tukey HSD<sup>a</sup>

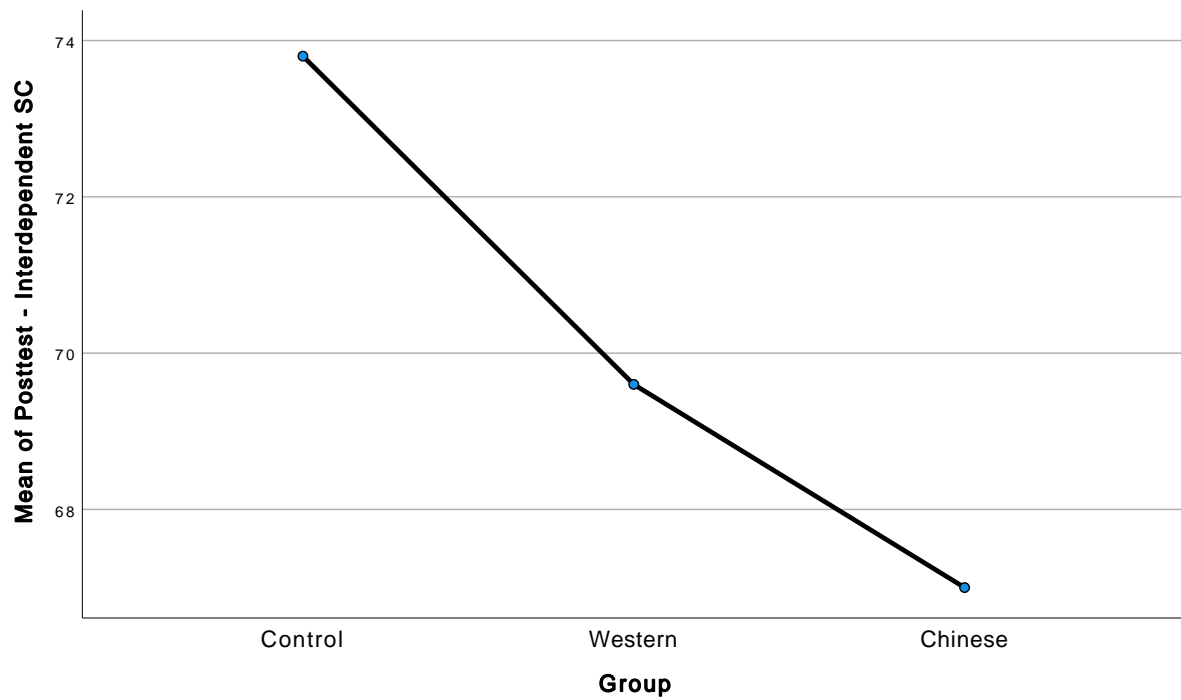
Group	N	Subset for alpha = 0.05
		1
Chinese	10	67.00
Western	10	69.60
Control	10	73.80
Sig.		.432

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

## Means Plots





## Oneway

### Descriptives

		N	Mean	Std. Deviation	Std. Error
Posttest - Difference-Similarity	Control	10	2.850	5.3075	1.6784
	Western	10	-.100	5.0706	1.6035
	Chinese	10	1.250	2.8407	.8983
	Total	30	1.333	4.5530	.8313
Posttest - Self-containment-Connectedness	Control	10	-5.850	6.5237	2.0630
	Western	10	-8.150	3.4242	1.0828
	Chinese	10	-7.700	4.0222	1.2719
	Total	30	-7.233	4.7846	.8735
Posttest - Self-direct-Receptive-influence	Control	10	2.050	4.8560	1.5356
	Western	10	2.800	3.7653	1.1907
	Chinese	10	3.200	2.0303	.6420
	Total	30	2.683	3.6376	.6641
Posttest - Self-expression-Harmony	Control	10	-1.050	4.0445	1.2790
	Western	10	.150	2.7492	.8694
	Chinese	10	-2.750	3.0664	.9697
	Total	30	-1.217	3.4358	.6273
Posttest - Consistent-Variable	Control	10	-5.700	4.1580	1.3149
	Western	10	-.600	5.2694	1.6663
	Chinese	10	-.650	4.3719	1.3825
	Total	30	-2.317	5.0829	.9280

### Descriptives

		95% Confidence Interval for Mean			
		Lower Bound	Upper Bound	Minimum	Maximum
Posttest - Difference-Similarity	Control	-.947	6.647	-7.0	12.0
	Western	-3.727	3.527	-7.5	8.0
	Chinese	-.782	3.282	-4.5	6.0
	Total	-.367	3.033	-7.5	12.0
Posttest - Self-containment-Connectedness	Control	-10.517	-1.183	-15.0	6.0
	Western	-10.600	-5.700	-14.0	-2.0
	Chinese	-10.577	-4.823	-13.5	-.5
	Total	-9.020	-5.447	-15.0	6.0
Posttest - Self-direct-Receptive-influence	Control	-1.424	5.524	-6.0	10.5
	Western	.106	5.494	-2.5	9.0
	Chinese	1.748	4.652	.0	5.5
	Total	1.325	4.042	-6.0	10.5
Posttest - Self-expression-Harmony	Control	-3.943	1.843	-7.0	5.0
	Western	-1.817	2.117	-3.5	5.0
	Chinese	-4.944	-.556	-8.0	2.0
	Total	-2.500	.066	-8.0	5.0
Posttest - Consistent-Variable	Control	-8.674	-2.726	-11.5	.0
	Western	-4.370	3.170	-7.0	10.0
	Chinese	-3.777	2.477	-8.5	4.0
	Total	-4.215	-.419	-11.5	10.0

### Descriptives

		N	Mean	Std. Deviation	Std. Error
Posttest - Contextualised	Control	10	2.750	4.3922	1.3889
	Western	10	2.400	5.2483	1.6597
	Chinese	10	2.150	4.9500	1.5653
	Total	30	2.433	4.7119	.8603
Posttest - Self-reliance-Dependence	Control	10	4.850	5.3388	1.6883
	Western	10	4.400	3.9144	1.2378
	Chinese	10	3.900	2.8944	.9153
	Total	30	4.383	4.0443	.7384
Posttest - Self-interest-Commit-others	Control	10	.300	4.5959	1.4533
	Western	10	-.800	3.2846	1.0387
	Chinese	10	.200	2.9458	.9315
	Total	30	-.100	3.5849	.6545

## Descriptives

		95% Confidence Interval for Mean			
		Lower Bound	Upper Bound	Minimum	Maximum
Posttest - Contextualised	Control	-.392	5.892	-1.5	11.5
	Western	-1.354	6.154	-8.0	9.0
	Chinese	-1.391	5.691	-6.0	8.0
	Total	.674	4.193	-8.0	11.5
Posttest - Self-reliance-Dependence	Control	1.031	8.669	-6.0	10.5
	Western	1.600	7.200	-1.5	10.0
	Chinese	1.829	5.971	-.5	10.0
	Total	2.873	5.894	-6.0	10.5
Posttest - Self-interest-Commit-others	Control	-2.988	3.588	-5.0	9.0
	Western	-3.150	1.550	-5.0	5.0
	Chinese	-1.907	2.307	-4.0	5.0
	Total	-1.439	1.239	-5.0	9.0

## Tests of Homogeneity of Variances

		Levene Statistic	df1	df2
Posttest - Difference-Similarity	Based on Mean	2.188	2	27
	Based on Median	1.718	2	27
	Based on Median and with adjusted df	1.718	2	24.177
	Based on trimmed mean	2.192	2	27
Posttest - Self-containment-Connectedness	Based on Mean	1.662	2	27
	Based on Median	1.339	2	27
	Based on Median and with adjusted df	1.339	2	20.300
	Based on trimmed mean	1.530	2	27
Posttest - Self-direct-Receptive-influence	Based on Mean	1.735	2	27
	Based on Median	1.611	2	27
	Based on Median and with adjusted df	1.611	2	17.369
	Based on trimmed mean	1.748	2	27
Posttest - Self-expression-Harmony	Based on Mean	1.188	2	27
	Based on Median	1.117	2	27
	Based on Median and with adjusted df	1.117	2	26.859
	Based on trimmed mean	1.196	2	27
Posttest - Consistent-Variable	Based on Mean	.058	2	27
	Based on Median	.117	2	27

### Tests of Homogeneity of Variances

		Sig.
Posttest - Difference-Similarity	Based on Mean	.132
	Based on Median	.198
	Based on Median and with adjusted df	.201
	Based on trimmed mean	.131
Posttest - Self-containment-Connectedness	Based on Mean	.209
	Based on Median	.279
	Based on Median and with adjusted df	.284
	Based on trimmed mean	.235
Posttest - Self-direct-Receptive-influence	Based on Mean	.196
	Based on Median	.218
	Based on Median and with adjusted df	.228
	Based on trimmed mean	.193
Posttest - Self-expression-Harmony	Based on Mean	.320
	Based on Median	.342
	Based on Median and with adjusted df	.342
	Based on trimmed mean	.318
Posttest - Consistent-Variable	Based on Mean	.944
	Based on Median	.890

### Tests of Homogeneity of Variances

		Levene Statistic	df1	df2
	Based on Median and with adjusted df	.117	2	26.541
	Based on trimmed mean	.063	2	27
Posttest - Contextualised	Based on Mean	.149	2	27
	Based on Median	.269	2	27
	Based on Median and with adjusted df	.269	2	25.740
	Based on trimmed mean	.169	2	27
Posttest - Self-reliance- Dependence	Based on Mean	1.634	2	27
	Based on Median	.708	2	27
	Based on Median and with adjusted df	.708	2	16.769
	Based on trimmed mean	1.478	2	27
Posttest - Self-interest- Commit-others	Based on Mean	.957	2	27
	Based on Median	.617	2	27
	Based on Median and with adjusted df	.617	2	20.542
	Based on trimmed mean	.875	2	27

### Tests of Homogeneity of Variances

		Sig.
	Based on Median and with adjusted df	.890
	Based on trimmed mean	.940
Posttest - Contextualised	Based on Mean	.862
	Based on Median	.766
	Based on Median and with adjusted df	.766
	Based on trimmed mean	.845
Posttest - Self-reliance-Dependence	Based on Mean	.214
	Based on Median	.501
	Based on Median and with adjusted df	.507
	Based on trimmed mean	.246
Posttest - Self-interest-Commit-others	Based on Mean	.397
	Based on Median	.547
	Based on Median and with adjusted df	.549
	Based on trimmed mean	.428



## ANOVA

		Sum of Squares	df	Mean Square	F
Posttest - Difference-Similarity	Between Groups	43.617	2	21.808	1.056
	Within Groups	557.550	27	20.650	
	Total	601.167	29		
Posttest - Self-containment-Connectedness	Between Groups	29.717	2	14.858	.633
	Within Groups	634.150	27	23.487	
	Total	663.867	29		
Posttest - Self-direct-Receptive-influence	Between Groups	6.817	2	3.408	.244
	Within Groups	376.925	27	13.960	
	Total	383.742	29		
Posttest - Self-expression-Harmony	Between Groups	42.467	2	21.233	1.912
	Within Groups	299.875	27	11.106	
	Total	342.342	29		
Posttest - Consistent-Variable	Between Groups	171.717	2	85.858	4.014
	Within Groups	577.525	27	21.390	
	Total	749.242	29		
Posttest - Contextualised	Between Groups	1.817	2	.908	.038
	Within Groups	642.050	27	23.780	
	Total	643.867	29		
Posttest - Self-reliance-Dependence	Between Groups	4.517	2	2.258	.130
	Within Groups	469.825	27	17.401	
	Total	474.342	29		
Posttest - Self-interest-Commit-others	Between Groups	7.400	2	3.700	.273
	Within Groups	365.300	27	13.530	
	Total	372.700	29		

## ANOVA

		Sig.
Posttest - Difference-Similarity	Between Groups	.362
	Within Groups	
	Total	
Posttest - Self-containment-Connectedness	Between Groups	.539
	Within Groups	
	Total	
Posttest - Self-direct-Receptive-influence	Between Groups	.785
	Within Groups	
	Total	
Posttest - Self-expression-Harmony	Between Groups	.167
	Within Groups	
	Total	
Posttest - Consistent-Variable	Between Groups	.030
	Within Groups	
	Total	
Posttest - Contextualised	Between Groups	.963
	Within Groups	
	Total	
Posttest - Self-reliance-Dependence	Between Groups	.879
	Within Groups	
	Total	
Posttest - Self-interest-Commit-others	Between Groups	.763
	Within Groups	
	Total	

## Post Hoc Tests

## Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.
Posttest - Difference-Similarity	Control	Western	2.9500	2.0322	.330
		Chinese	1.6000	2.0322	.714
	Western	Control	-2.9500	2.0322	.330
		Chinese	-1.3500	2.0322	.786
	Chinese	Control	-1.6000	2.0322	.714
		Western	1.3500	2.0322	.786
Posttest - Self-containment-Connectedness	Control	Western	2.3000	2.1674	.546
		Chinese	1.8500	2.1674	.674
	Western	Control	-2.3000	2.1674	.546
		Chinese	-.4500	2.1674	.977
	Chinese	Control	-1.8500	2.1674	.674
		Western	.4500	2.1674	.977
Posttest - Self-direct-Receptive-influence	Control	Western	-.7500	1.6709	.895
		Chinese	-1.1500	1.6709	.772
	Western	Control	.7500	1.6709	.895
		Chinese	-.4000	1.6709	.969
	Chinese	Control	1.1500	1.6709	.772
		Western	.4000	1.6709	.969
Posttest - Self-expression-Harmony	Control	Western	-1.2000	1.4904	.703
		Chinese	1.7000	1.4904	.498
	Western	Control	1.2000	1.4904	.703
		Chinese	2.9000	1.4904	.145
	Chinese	Control	-1.7000	1.4904	.498
		Western	-2.9000	1.4904	.145
Posttest - Consistent-Variable	Control	Western	-5.1000	2.0683	.051
		Chinese	-5.0500	2.0683	.054
	Western	Control	5.1000	2.0683	.051
		Chinese	.0500	2.0683	1.000
	Chinese	Control	5.0500	2.0683	.054
		Western	-.0500	2.0683	1.000
Posttest - Contextualised	Control	Western	.3500	2.1808	.986
		Chinese	.6000	2.1808	.959
	Western	Control	-.3500	2.1808	.986
		Chinese	.2500	2.1808	.993
	Chinese	Control	-.6000	2.1808	.959
		Western	-.2500	2.1808	.993
Posttest - Self-reliance-Dependence	Control	Western	.4500	1.8655	.968
		Chinese	.9500	1.8655	.868

## Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Group	(J) Group	95% Confidence Interval	
			Lower Bound	Upper Bound
Posttest - Difference-Similarity	Control	Western	-2.089	7.989
		Chinese	-3.439	6.639
	Western	Control	-7.989	2.089
		Chinese	-6.389	3.689
	Chinese	Control	-6.639	3.439
		Western	-3.689	6.389
Posttest - Self-containment-Connectedness	Control	Western	-3.074	7.674
		Chinese	-3.524	7.224
	Western	Control	-7.674	3.074
		Chinese	-5.824	4.924
	Chinese	Control	-7.224	3.524
		Western	-4.924	5.824
Posttest - Self-direct-Receptive-influence	Control	Western	-4.893	3.393
		Chinese	-5.293	2.993
	Western	Control	-3.393	4.893
		Chinese	-4.543	3.743
	Chinese	Control	-2.993	5.293
		Western	-3.743	4.543
Posttest - Self-expression-Harmony	Control	Western	-4.895	2.495
		Chinese	-1.995	5.395
	Western	Control	-2.495	4.895
		Chinese	-.795	6.595
	Chinese	Control	-5.395	1.995
		Western	-6.595	.795
Posttest - Consistent-Variable	Control	Western	-10.228	.028
		Chinese	-10.178	.078
	Western	Control	-.028	10.228
		Chinese	-5.078	5.178
	Chinese	Control	-.078	10.178
		Western	-5.178	5.078
Posttest - Contextualised	Control	Western	-5.057	5.757
		Chinese	-4.807	6.007
	Western	Control	-5.757	5.057
		Chinese	-5.157	5.657
	Chinese	Control	-6.007	4.807
		Western	-5.657	5.157
Posttest - Self-reliance-Dependence	Control	Western	-4.175	5.075
		Chinese	-3.675	5.575

## Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.
	Western	Control	-.4500	1.8655	.968
		Chinese	.5000	1.8655	.961
	Chinese	Control	-.9500	1.8655	.868
		Western	-.5000	1.8655	.961
Posttest - Self-interest-Commit-others	Control	Western	1.1000	1.6450	.783
		Chinese	.1000	1.6450	.998
	Western	Control	-1.1000	1.6450	.783
		Chinese	-1.0000	1.6450	.817
	Chinese	Control	-.1000	1.6450	.998
		Western	1.0000	1.6450	.817

## Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Group	(J) Group	95% Confidence Interval	
			Lower Bound	Upper Bound
	Western	Control	-5.075	4.175
		Chinese	-4.125	5.125
	Chinese	Control	-5.575	3.675
		Western	-5.125	4.125
Posttest - Self-interest-Commit-others	Control	Western	-2.979	5.179
		Chinese	-3.979	4.179
	Western	Control	-5.179	2.979
		Chinese	-5.079	3.079
	Chinese	Control	-4.179	3.979
		Western	-3.079	5.079

## Homogeneous Subsets

### Posttest - Difference-Similarity

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05 1
Western	10	-.100
Chinese	10	1.250
Control	10	2.850
Sig.		.330

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

### Posttest - Self-containment-Connectedness

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05 1
Western	10	-8.150
Chinese	10	-7.700
Control	10	-5.850
Sig.		.546

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

### Posttest - Self-direct-Receptive-influence

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05 1
Control	10	2.050
Western	10	2.800
Chinese	10	3.200
Sig.		.772

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

### Posttest - Self-expression-Harmony

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05 1
Chinese	10	-2.750
Control	10	-1.050
Western	10	.150
Sig.		.145

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

### Posttest - Consistent-Variable

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05
		1
Control	10	-5.700
Chinese	10	-.650
Western	10	-.600
Sig.		.051

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

### Posttest - Contextualised

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05
		1
Chinese	10	2.150
Western	10	2.400
Control	10	2.750
Sig.		.959

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

### Posttest - Self-reliance-Dependence

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05
		1
Chinese	10	3.900
Western	10	4.400
Control	10	4.850
Sig.		.868

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.



## Posttest - Self-interest-Commit-others

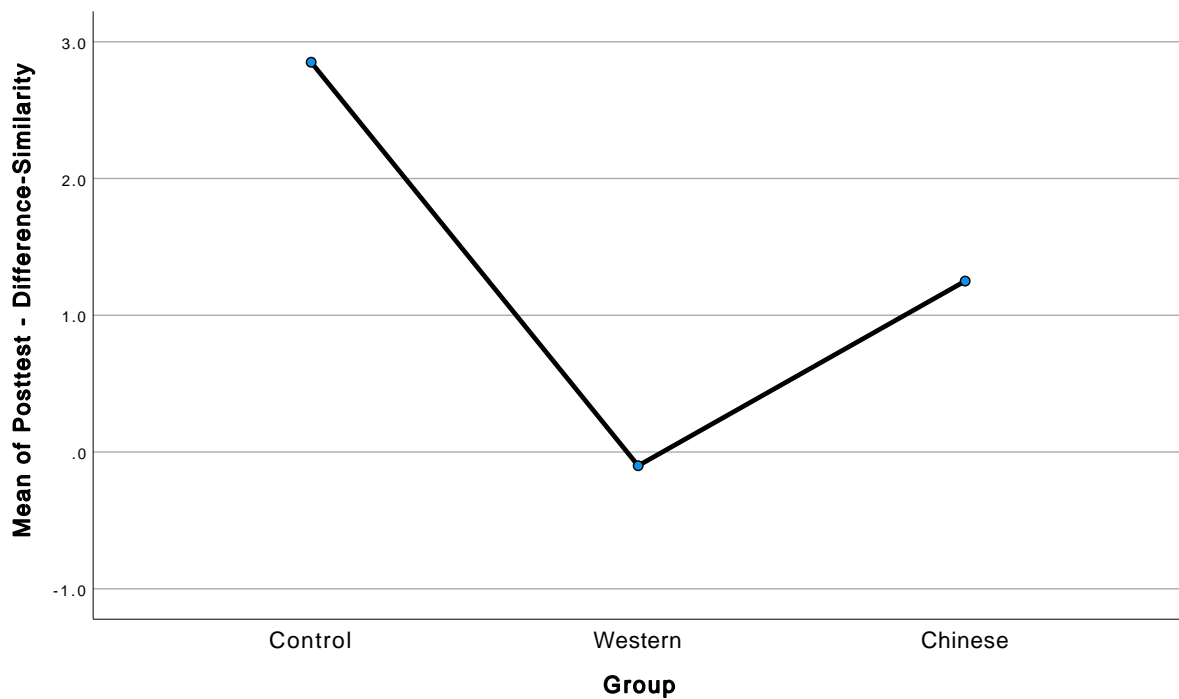
Tukey HSD<sup>a</sup>

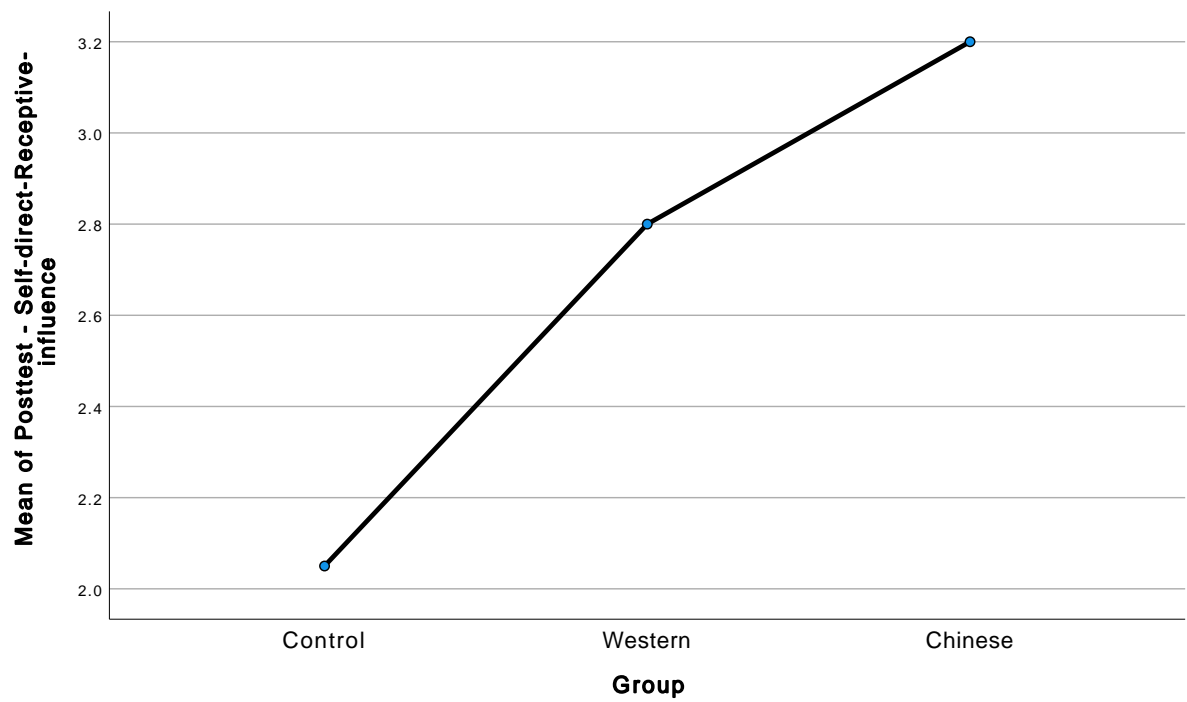
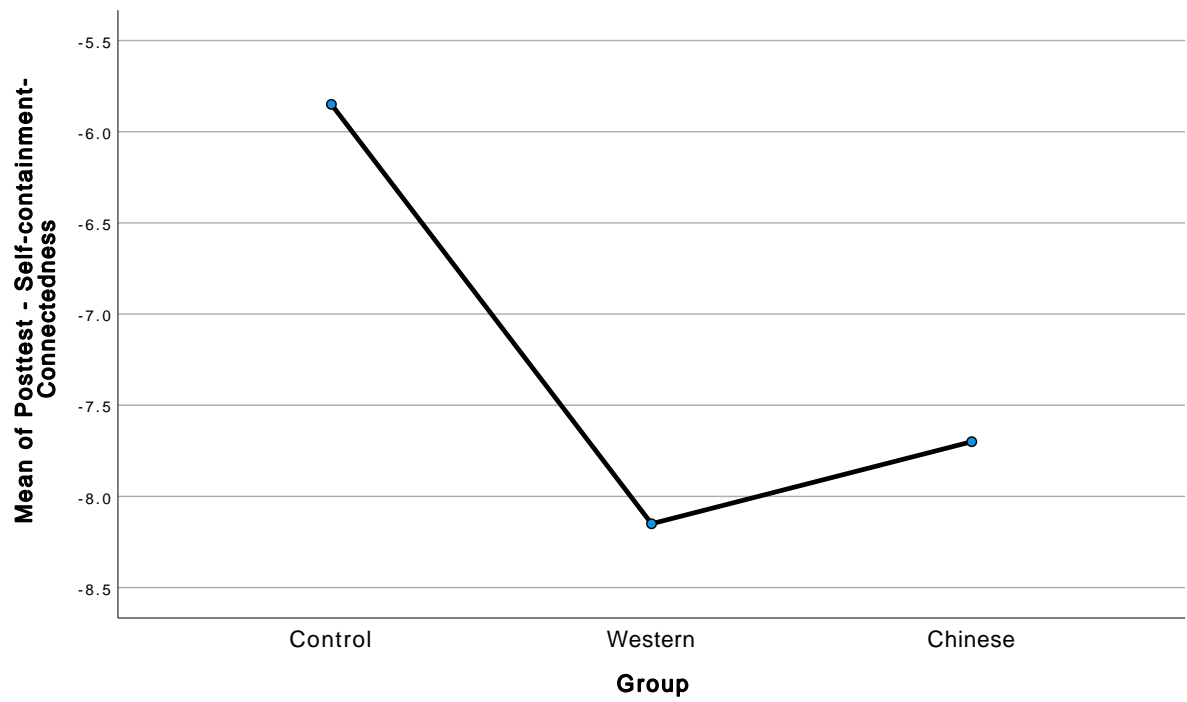
Group	N	Subset for alpha = 0.05
		1
Western	10	-.800
Chinese	10	.200
Control	10	.300
Sig.		.783

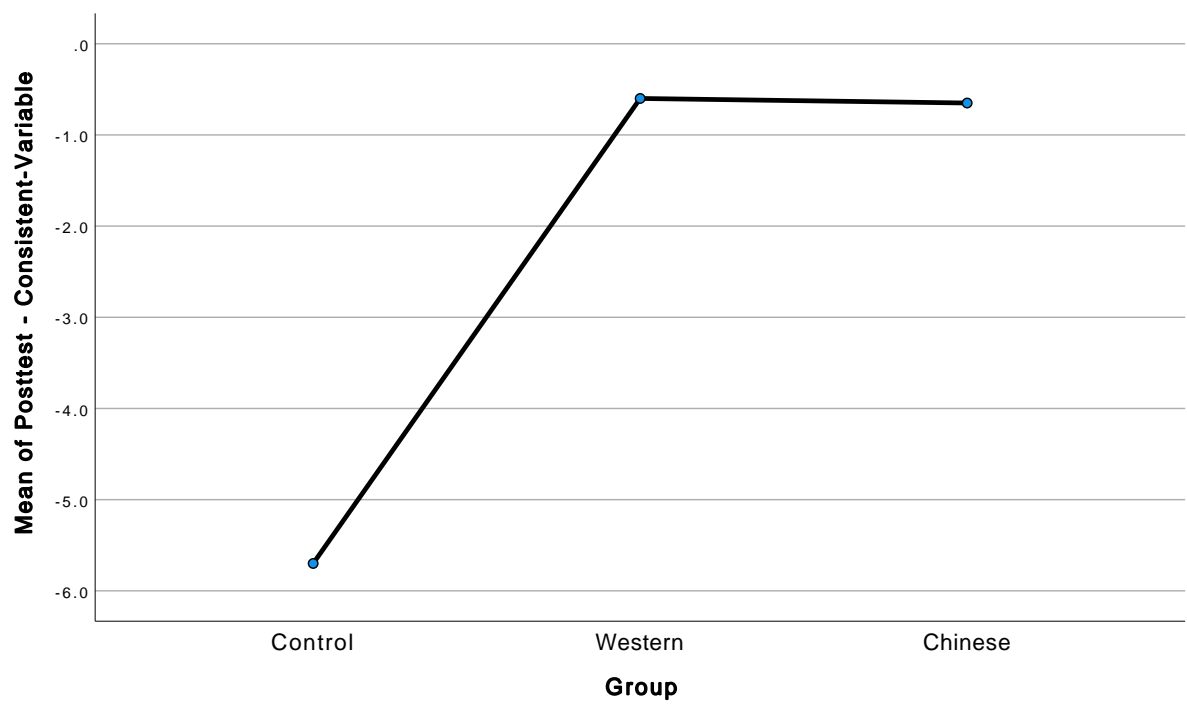
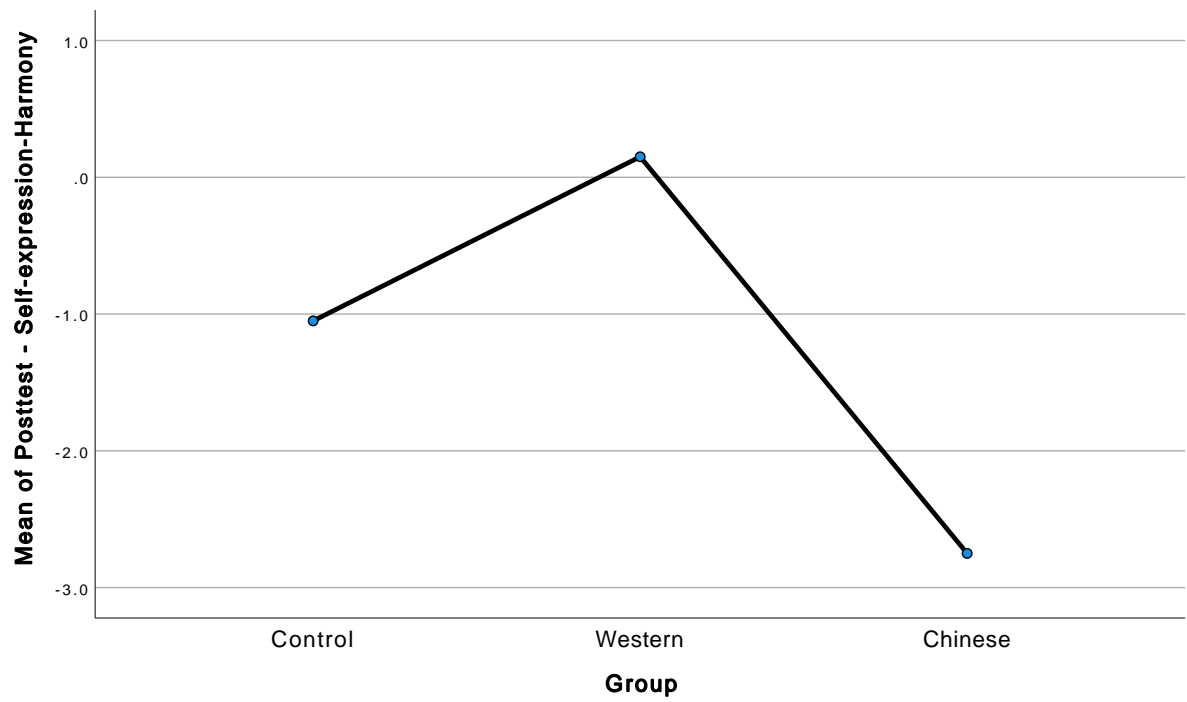
Means for groups in homogeneous subsets are displayed.

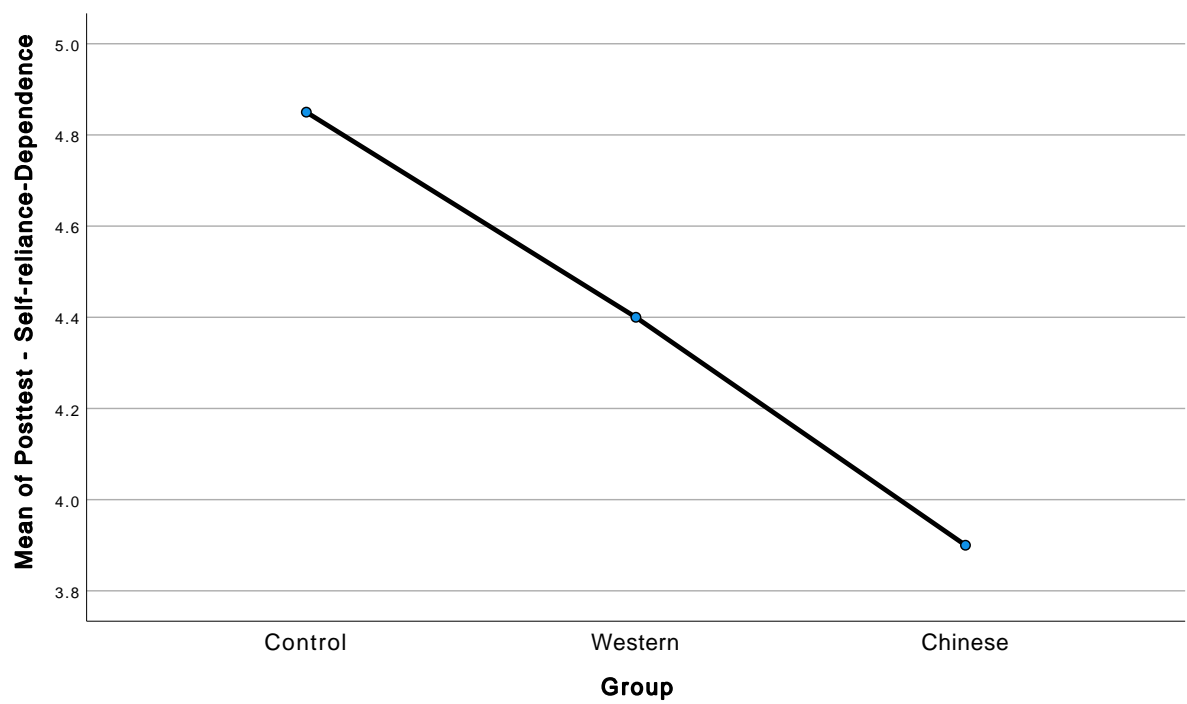
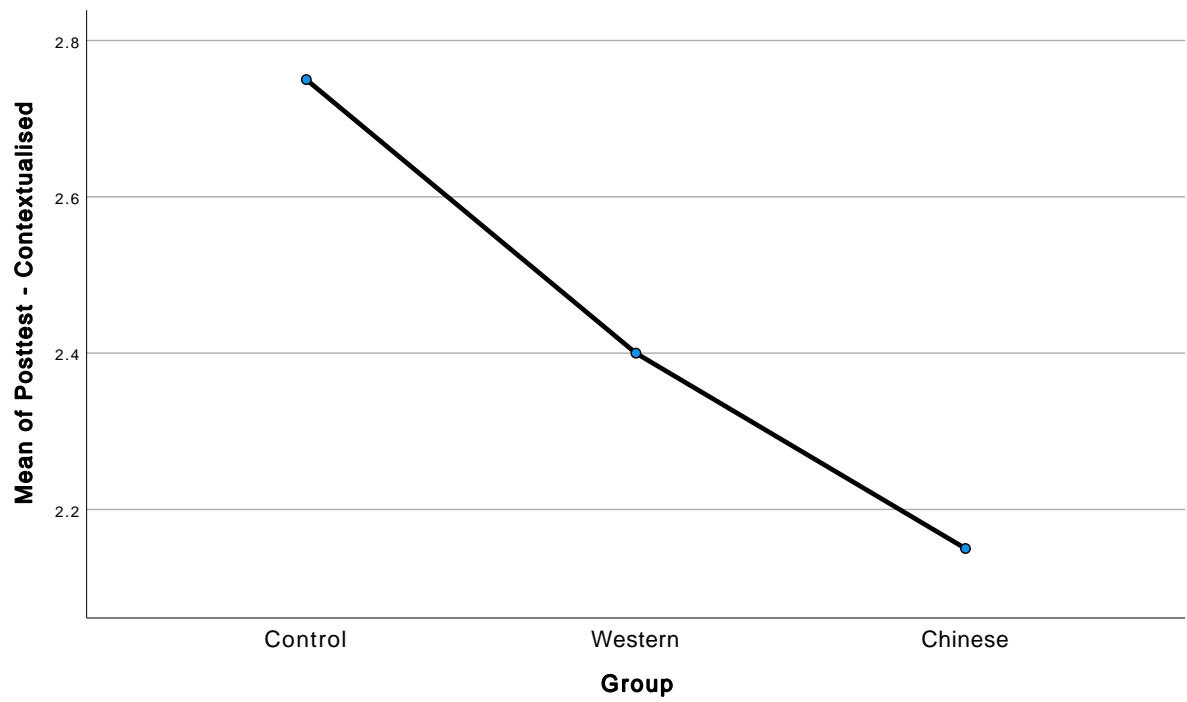
a. Uses Harmonic Mean Sample Size = 10.000.

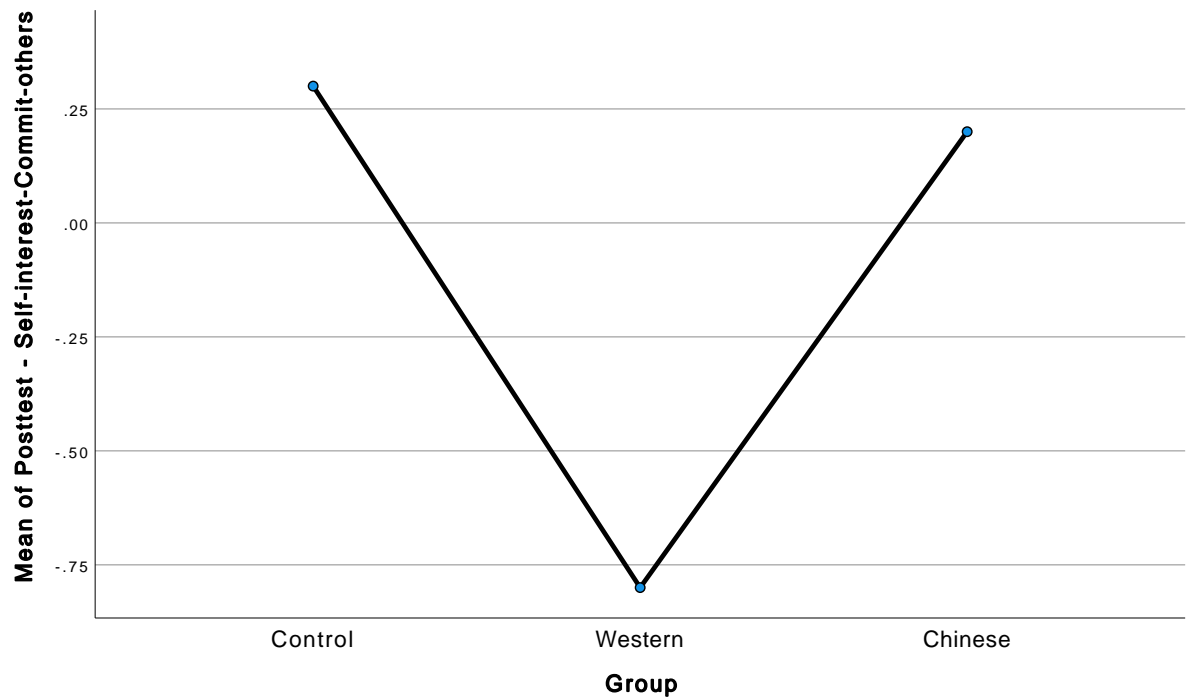
## Means Plots











## General Linear Model

### Within-Subjects Factors

Measure: MEASURE\_1

IND	Dependent Variable
1	PreIND
2	PostIND

### Between-Subjects Factors

		Value Label	N
Group	0	Control	10
	1	Western	10
	2	Chinese	10

## Descriptive Statistics

	Group	Mean	Std. Deviation	N
Pretest - Independent SC	Control	76.10	13.536	10
	Western	77.40	9.698	10
	Chinese	76.60	12.730	10
	Total	76.70	11.689	30
Posttest - Independent SC	Control	72.50	10.855	10
	Western	75.90	8.239	10
	Chinese	73.20	9.807	10
	Total	73.87	9.471	30

## Box's Test of Equality of Covariance Matrices<sup>a</sup>

Box's M	1.589
F	.236
df1	6
df2	18168.923
Sig.	.965

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

- a. Design: Intercept + Group  
Within Subjects Design: IND

### Multivariate Tests<sup>a</sup>

Effect		Value	F	Hypothesis df	Error df	Sig.
IND	Pillai's Trace	.182	6.014 <sup>b</sup>	1.000	27.000	.021
	Wilks' Lambda	.818	6.014 <sup>b</sup>	1.000	27.000	.021
	Hotelling's Trace	.223	6.014 <sup>b</sup>	1.000	27.000	.021
	Roy's Largest Root	.223	6.014 <sup>b</sup>	1.000	27.000	.021
IND * Group	Pillai's Trace	.024	.335 <sup>b</sup>	2.000	27.000	.718
	Wilks' Lambda	.976	.335 <sup>b</sup>	2.000	27.000	.718
	Hotelling's Trace	.025	.335 <sup>b</sup>	2.000	27.000	.718
	Roy's Largest Root	.025	.335 <sup>b</sup>	2.000	27.000	.718

### Multivariate Tests<sup>a</sup>

Effect		Partial Eta Squared	Noncent. Parameter	Observed Power <sup>c</sup>
IND	Pillai's Trace	.182	6.014	.657
	Wilks' Lambda	.182	6.014	.657
	Hotelling's Trace	.182	6.014	.657
	Roy's Largest Root	.182	6.014	.657
IND * Group	Pillai's Trace	.024	.671	.098
	Wilks' Lambda	.024	.671	.098
	Hotelling's Trace	.024	.671	.098
	Roy's Largest Root	.024	.671	.098

a. Design: Intercept + Group  
Within Subjects Design: IND

b. Exact statistic

c. Computed using alpha = .05

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon <sup>b</sup> Greenhouse-Geisser
IND	1.000	.000	0	.	1.000

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Epsilon <sup>b</sup>	
	Huynh-Feldt	Lower-bound
IND	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.

- Design: Intercept + Group  
Within Subjects Design: IND
- 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
IND	Sphericity Assumed	120.417	1	120.417	6.014
	Greenhouse-Geisser	120.417	1.000	120.417	6.014
	Huynh-Feldt	120.417	1.000	120.417	6.014
	Lower-bound	120.417	1.000	120.417	6.014
IND * Group	Sphericity Assumed	13.433	2	6.717	.335
	Greenhouse-Geisser	13.433	2.000	6.717	.335
	Huynh-Feldt	13.433	2.000	6.717	.335
	Lower-bound	13.433	2.000	6.717	.335
Error(IND)	Sphericity Assumed	540.650	27	20.024	
	Greenhouse-Geisser	540.650	27.000	20.024	
	Huynh-Feldt	540.650	27.000	20.024	
	Lower-bound	540.650	27.000	20.024	

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
IND	Sphericity Assumed	.021	.182	6.014	.657
	Greenhouse-Geisser	.021	.182	6.014	.657
	Huynh-Feldt	.021	.182	6.014	.657
	Lower-bound	.021	.182	6.014	.657
IND * Group	Sphericity Assumed	.718	.024	.671	.098
	Greenhouse-Geisser	.718	.024	.671	.098
	Huynh-Feldt	.718	.024	.671	.098
	Lower-bound	.718	.024	.671	.098
Error(IND)	Sphericity Assumed				
	Greenhouse-Geisser				
	Huynh-Feldt				
	Lower-bound				

- Computed using alpha = .05



### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	IND	Type III Sum of Squares	df	Mean Square	F	Sig.
IND	Linear	120.417	1	120.417	6.014	.021
IND * Group	Linear	13.433	2	6.717	.335	.718
Error(IND)	Linear	540.650	27	20.024		

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	IND	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
IND	Linear	.182	6.014	.657
IND * Group	Linear	.024	.671	.098
Error(IND)	Linear			

a. Computed using alpha = .05

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Levene Statistic	df1	df2
Pretest - Independent SC	Based on Mean	.816	2	27
	Based on Median	.809	2	27
	Based on Median and with adjusted df	.809	2	23.725
	Based on trimmed mean	.816	2	27
Posttest - Independent SC	Based on Mean	.342	2	27
	Based on Median	.193	2	27
	Based on Median and with adjusted df	.193	2	24.209
	Based on trimmed mean	.326	2	27

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Sig.
Pretest - Independent SC	Based on Mean	.453
	Based on Median	.456
	Based on Median and with adjusted df	.457
	Based on trimmed mean	.453
Posttest - Independent SC	Based on Mean	.714
	Based on Median	.826
	Based on Median and with adjusted df	.826
	Based on trimmed mean	.725

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

a. Design: Intercept + Group  
Within Subjects Design: IND

### 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	340054.817	1	340054.817	1543.093	<.001	.983
Group	59.633	2	29.817	.135	.874	.010
Error	5950.050	27	220.372			

### Tests of Between-Subjects Effects

Measure: MEASURE\_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power <sup>a</sup>
Intercept	1543.093	1.000
Group	.271	.069
Error		

a. Computed using alpha = .05

## Estimated Marginal Means

### 1. IND

## Estimates

Measure: MEASURE\_1

IND	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	76.700	2.209	72.167	81.233
2	73.867	1.770	70.235	77.498

## Pairwise Comparisons

Measure: MEASURE\_1

(I) IND	(J) IND	Mean Difference (I-J)	Std. Error	Sig. <sup>b</sup>	95% Confidence Interval for Difference <sup>b</sup>	
					Lower Bound	Upper Bound
1	2	2.833 <sup>*</sup>	1.155	.021	.463	5.204
2	1	-2.833 <sup>*</sup>	1.155	.021	-5.204	-.463

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

## Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.182	6.014 <sup>a</sup>	1.000	27.000	.021	.182
Wilks' lambda	.818	6.014 <sup>a</sup>	1.000	27.000	.021	.182
Hotelling's trace	.223	6.014 <sup>a</sup>	1.000	27.000	.021	.182
Roy's largest root	.223	6.014 <sup>a</sup>	1.000	27.000	.021	.182

## Multivariate Tests

	Noncent. Parameter	Observed Power <sup>b</sup>
Pillai's trace	6.014	.657
Wilks' lambda	6.014	.657
Hotelling's trace	6.014	.657
Roy's largest root	6.014	.657

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

a. Exact statistic

b. Computed using alpha = .05

## 2. Group

## Estimates

Measure: MEASURE\_1

Group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Control	74.300	3.319	67.489	81.111
Western	76.650	3.319	69.839	83.461
Chinese	74.900	3.319	68.089	81.711

## Pairwise Comparisons

Measure: MEASURE\_1

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
Control	Western	-2.350	4.694	.621	-11.982	7.282
	Chinese	-.600	4.694	.899	-10.232	9.032
Western	Control	2.350	4.694	.621	-7.282	11.982
	Chinese	1.750	4.694	.712	-7.882	11.382
Chinese	Control	.600	4.694	.899	-9.032	10.232
	Western	-1.750	4.694	.712	-11.382	7.882

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

## Univariate Tests

Measure: MEASURE\_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	29.817	2	14.908	.135	.874	.010
Error	2975.025	27	110.186			

## Univariate Tests

Measure: MEASURE\_1

	Noncent. Parameter	Observed Power <sup>a</sup>
Contrast	.271	.069
Error		

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

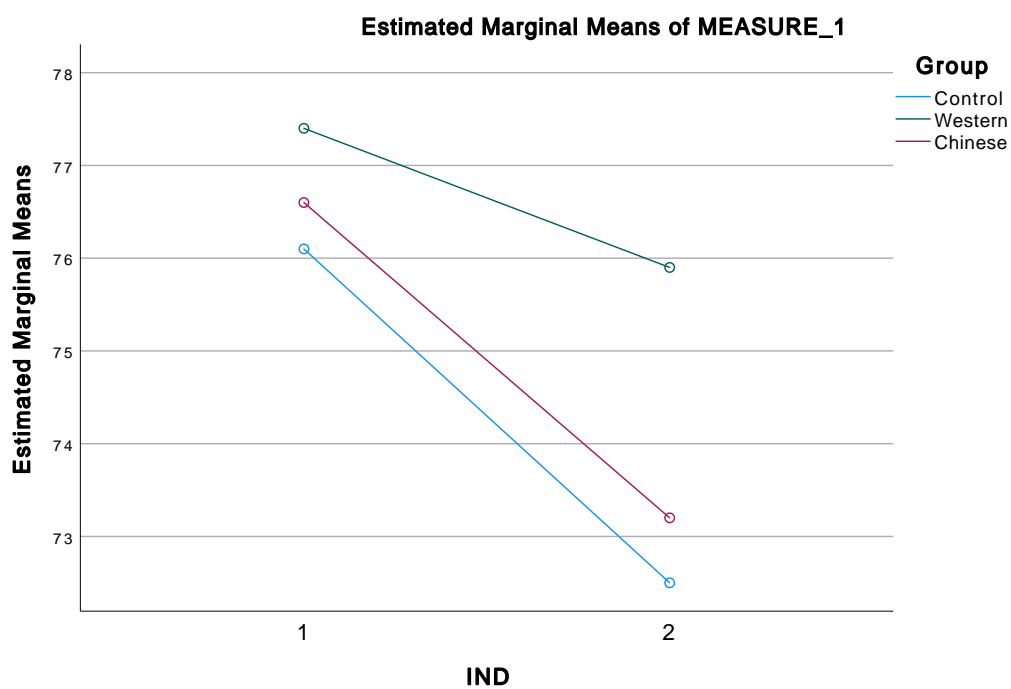
a. Computed using alpha = .05

### 3. Group \* IND

Measure: MEASURE\_1

Group	IND	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Control	1	76.100	3.827	68.248	83.952
	2	72.500	3.065	66.210	78.790
Western	1	77.400	3.827	69.548	85.252
	2	75.900	3.065	69.610	82.190
Chinese	1	76.600	3.827	68.748	84.452
	2	73.200	3.065	66.910	79.490

### Profile Plots



### General Linear Model

#### Within-Subjects Factors

Measure: MEASURE\_1

INTER	Dependent Variable
1	PreINTER
2	PostINTER

### Between-Subjects Factors

		Value Label	N
Group	0	Control	10
	1	Western	10
	2	Chinese	10

### Descriptive Statistics

	Group	Mean	Std. Deviation	N
Pretest - Interdependent SC	Control	78.10	9.983	10
	Western	72.70	11.973	10
	Chinese	73.10	13.996	10
	Total	74.63	11.935	30
Posttest - Interdependent SC	Control	73.80	10.654	10
	Western	69.60	13.874	10
	Chinese	67.00	11.566	10
	Total	70.13	12.025	30

### Box's Test of Equality of Covariance Matrices<sup>a</sup>

Box's M	3.156
F	.470
df1	6
df2	18168.923
Sig.	.831

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

a. Design: Intercept + Group  
Within Subjects Design: INTER

### Multivariate Tests<sup>a</sup>

Effect		Value	F	Hypothesis df	Error df	Sig.
INTER	Pillai's Trace	.309	12.097 <sup>b</sup>	1.000	27.000	.002
	Wilks' Lambda	.691	12.097 <sup>b</sup>	1.000	27.000	.002
	Hotelling's Trace	.448	12.097 <sup>b</sup>	1.000	27.000	.002
	Roy's Largest Root	.448	12.097 <sup>b</sup>	1.000	27.000	.002
INTER * Group	Pillai's Trace	.033	.454 <sup>b</sup>	2.000	27.000	.640
	Wilks' Lambda	.967	.454 <sup>b</sup>	2.000	27.000	.640
	Hotelling's Trace	.034	.454 <sup>b</sup>	2.000	27.000	.640
	Roy's Largest Root	.034	.454 <sup>b</sup>	2.000	27.000	.640

### Multivariate Tests<sup>a</sup>

Effect		Partial Eta Squared	Noncent. Parameter	Observed Power <sup>c</sup>
INTER	Pillai's Trace	.309	12.097	.918
	Wilks' Lambda	.309	12.097	.918
	Hotelling's Trace	.309	12.097	.918
	Roy's Largest Root	.309	12.097	.918
INTER * Group	Pillai's Trace	.033	.908	.116
	Wilks' Lambda	.033	.908	.116
	Hotelling's Trace	.033	.908	.116
	Roy's Largest Root	.033	.908	.116

a. Design: Intercept + Group  
Within Subjects Design: INTER

b. Exact statistic

c. Computed using alpha = .05

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon <sup>b</sup> Greenhouse-Geisser
INTER	1.000	.000	0	.	1.000

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

		Epsilon <sup>b</sup>
Within Subjects Effect	Huynh-Feldt	Lower-bound
INTER	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: INTER
- 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
INTER	Sphericity Assumed	303.750	1	303.750	12.097
	Greenhouse-Geisser	303.750	1.000	303.750	12.097
	Huynh-Feldt	303.750	1.000	303.750	12.097
	Lower-bound	303.750	1.000	303.750	12.097
INTER * Group	Sphericity Assumed	22.800	2	11.400	.454
	Greenhouse-Geisser	22.800	2.000	11.400	.454
	Huynh-Feldt	22.800	2.000	11.400	.454
	Lower-bound	22.800	2.000	11.400	.454
Error(INTER)	Sphericity Assumed	677.950	27	25.109	
	Greenhouse-Geisser	677.950	27.000	25.109	
	Huynh-Feldt	677.950	27.000	25.109	
	Lower-bound	677.950	27.000	25.109	

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
INTER	Sphericity Assumed	.002	.309	12.097	.918
	Greenhouse-Geisser	.002	.309	12.097	.918
	Huynh-Feldt	.002	.309	12.097	.918
	Lower-bound	.002	.309	12.097	.918
INTER * Group	Sphericity Assumed	.640	.033	.908	.116
	Greenhouse-Geisser	.640	.033	.908	.116
	Huynh-Feldt	.640	.033	.908	.116
	Lower-bound	.640	.033	.908	.116
Error(INTER)	Sphericity Assumed				
	Greenhouse-Geisser				
	Huynh-Feldt				
	Lower-bound				

- a. Computed using alpha = .05



### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	INTER	Type III Sum of Squares	df	Mean Square	F	Sig.
INTER	Linear	303.750	1	303.750	12.097	.002
INTER * Group	Linear	22.800	2	11.400	.454	.640
Error(INTER)	Linear	677.950	27	25.109		

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	INTER	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
INTER	Linear	.309	12.097	.918
INTER * Group	Linear	.033	.908	.116
Error(INTER)	Linear			

a. Computed using alpha = .05

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Levene Statistic	df1	df2
Pretest - Interdependent SC	Based on Mean	.586	2	27
	Based on Median	.499	2	27
	Based on Median and with adjusted df	.499	2	25.179
	Based on trimmed mean	.577	2	27
Posttest - Interdependent SC	Based on Mean	.641	2	27
	Based on Median	.595	2	27
	Based on Median and with adjusted df	.595	2	26.084
	Based on trimmed mean	.648	2	27

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Sig.
Pretest - Interdependent SC	Based on Mean	.563
	Based on Median	.613
	Based on Median and with adjusted df	.613
	Based on trimmed mean	.568
Posttest - Interdependent SC	Based on Mean	.534
	Based on Median	.558
	Based on Median and with adjusted df	.559
	Based on trimmed mean	.531

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

a. Design: Intercept + Group  
Within Subjects Design: INTER

### 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	314360.817	1	314360.817	1173.970	<.001	.978
Group	393.733	2	196.867	.735	.489	.052
Error	7229.950	27	267.776			

### Tests of Between-Subjects Effects

Measure: MEASURE\_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power <sup>a</sup>
Intercept	1173.970	1.000
Group	1.470	.161
Error		

a. Computed using alpha = .05

### Estimated Marginal Means

## 1. Group

Measure: MEASURE\_1

Group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Control	75.950	3.659	68.442	83.458
Western	71.150	3.659	63.642	78.658
Chinese	70.050	3.659	62.542	77.558

## 2. INTER

Measure: MEASURE\_1

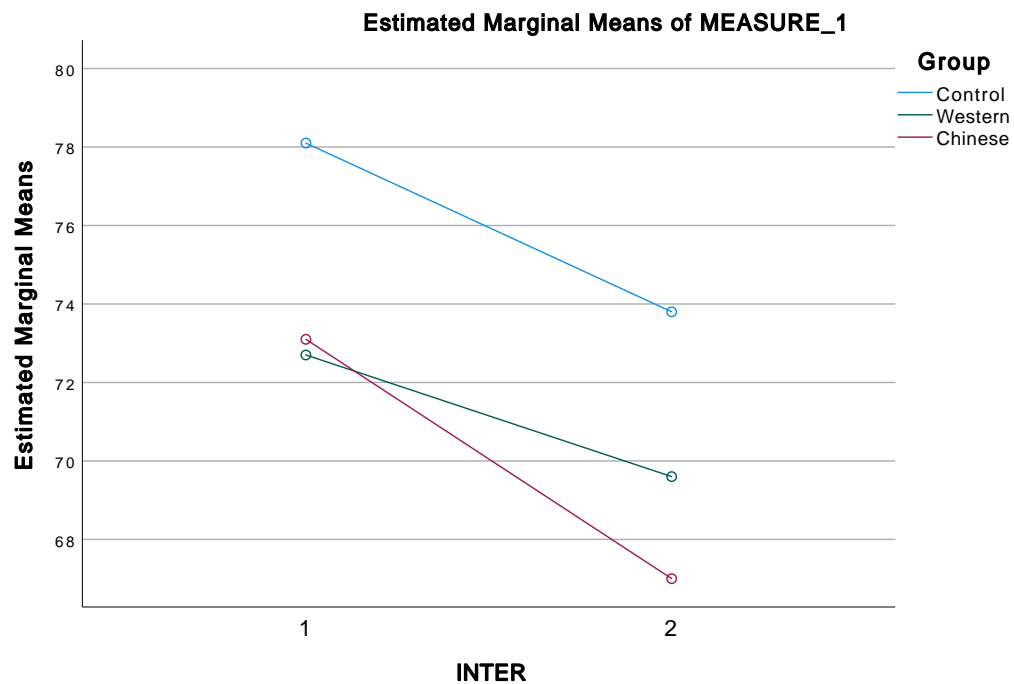
INTER	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	74.633	2.208	70.102	79.164
2	70.133	2.211	65.598	74.669

## 3. Group \* INTER

Measure: MEASURE\_1

Group	INTER	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Control	1	78.100	3.825	70.252	85.948
	2	73.800	3.829	65.944	81.656
Western	1	72.700	3.825	64.852	80.548
	2	69.600	3.829	61.744	77.456
Chinese	1	73.100	3.825	65.252	80.948
	2	67.000	3.829	59.144	74.856

## Profile Plots



## General Linear Model

### Within-Subjects Factors

Measure: MEASURE\_1

Diff	Dependent Variable
1	PreDiff
2	PostDiff

### Between-Subjects Factors

		Value Label	N
Group	0	Control	10
	1	Western	10
	2	Chinese	10

## Descriptive Statistics

	Group	Mean	Std. Deviation	N
Pretest - Difference-Similarity	Control	3.850	4.9049	10
	Western	.200	3.5135	10
	Chinese	1.800	2.8008	10
	Total	1.950	4.0051	30
Posttest - Difference-Similarity	Control	2.850	5.3075	10
	Western	-.100	5.0706	10
	Chinese	1.250	2.8407	10
	Total	1.333	4.5530	30

## Box's Test of Equality of Covariance Matrices<sup>a</sup>

Box's M	6.066
F	.902
df1	6
df2	18168.923
Sig.	.492

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

- a. Design: Intercept + Group  
Within Subjects Design: Diff

### Multivariate Tests<sup>a</sup>

Effect		Value	F	Hypothesis df	Error df	Sig.
Diff	Pillai's Trace	.042	1.170 <sup>b</sup>	1.000	27.000	.289
	Wilks' Lambda	.958	1.170 <sup>b</sup>	1.000	27.000	.289
	Hotelling's Trace	.043	1.170 <sup>b</sup>	1.000	27.000	.289
	Roy's Largest Root	.043	1.170 <sup>b</sup>	1.000	27.000	.289
Diff * Group	Pillai's Trace	.009	.129 <sup>b</sup>	2.000	27.000	.879
	Wilks' Lambda	.991	.129 <sup>b</sup>	2.000	27.000	.879
	Hotelling's Trace	.010	.129 <sup>b</sup>	2.000	27.000	.879
	Roy's Largest Root	.010	.129 <sup>b</sup>	2.000	27.000	.879

### Multivariate Tests<sup>a</sup>

Effect		Partial Eta Squared	Noncent. Parameter	Observed Power <sup>c</sup>
Diff	Pillai's Trace	.042	1.170	.181
	Wilks' Lambda	.042	1.170	.181
	Hotelling's Trace	.042	1.170	.181
	Roy's Largest Root	.042	1.170	.181
Diff * Group	Pillai's Trace	.009	.258	.068
	Wilks' Lambda	.009	.258	.068
	Hotelling's Trace	.009	.258	.068
	Roy's Largest Root	.009	.258	.068

a. Design: Intercept + Group  
Within Subjects Design: Diff

b. Exact statistic

c. Computed using alpha = .05

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon <sup>b</sup> Greenhouse-Geisser
Diff	1.000	.000	0	.	1.000

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

		Epsilon <sup>b</sup>
Within Subjects Effect	Huynh-Feldt	Lower-bound
Diff	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.

- Design: Intercept + Group  
Within Subjects Design: Diff
- 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
Diff	Sphericity Assumed	5.704	1	5.704	1.170
	Greenhouse-Geisser	5.704	1.000	5.704	1.170
	Huynh-Feldt	5.704	1.000	5.704	1.170
	Lower-bound	5.704	1.000	5.704	1.170
Diff * Group	Sphericity Assumed	1.258	2	.629	.129
	Greenhouse-Geisser	1.258	2.000	.629	.129
	Huynh-Feldt	1.258	2.000	.629	.129
	Lower-bound	1.258	2.000	.629	.129
Error(Diff)	Sphericity Assumed	131.663	27	4.876	
	Greenhouse-Geisser	131.663	27.000	4.876	
	Huynh-Feldt	131.663	27.000	4.876	
	Lower-bound	131.663	27.000	4.876	

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Diff	Sphericity Assumed	.289	.042	1.170	.181
	Greenhouse-Geisser	.289	.042	1.170	.181
	Huynh-Feldt	.289	.042	1.170	.181
	Lower-bound	.289	.042	1.170	.181
Diff * Group	Sphericity Assumed	.879	.009	.258	.068
	Greenhouse-Geisser	.879	.009	.258	.068
	Huynh-Feldt	.879	.009	.258	.068
	Lower-bound	.879	.009	.258	.068
Error(Diff)	Sphericity Assumed				
	Greenhouse-Geisser				
	Huynh-Feldt				
	Lower-bound				

- Computed using alpha = .05

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	Diff	Type III Sum of Squares	df	Mean Square	F	Sig.
Diff	Linear	5.704	1	5.704	1.170	.289
Diff * Group	Linear	1.258	2	.629	.129	.879
Error(Diff)	Linear	131.663	27	4.876		

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	Diff	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Diff	Linear	.042	1.170	.181
Diff * Group	Linear	.009	.258	.068
Error(Diff)	Linear			

a. Computed using alpha = .05

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Levene Statistic	df1	df2
Pretest - Difference-Similarity	Based on Mean	1.737	2	27
	Based on Median	1.301	2	27
	Based on Median and with adjusted df	1.301	2	25.217
	Based on trimmed mean	1.675	2	27
Posttest - Difference-Similarity	Based on Mean	2.188	2	27
	Based on Median	1.718	2	27
	Based on Median and with adjusted df	1.718	2	24.177
	Based on trimmed mean	2.192	2	27



### Levene's Test of Equality of Error Variances<sup>a</sup>

		Sig.
Pretest - Difference-Similarity	Based on Mean	.195
	Based on Median	.289
	Based on Median and with adjusted df	.290
	Based on trimmed mean	.206
Posttest - Difference-Similarity	Based on Mean	.132
	Based on Median	.198
	Based on Median and with adjusted df	.201
	Based on trimmed mean	.131

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

a. Design: Intercept + Group  
Within Subjects Design: Diff

### 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	161.704	1	161.704	5.298	.029	.164
Group	109.308	2	54.654	1.791	.186	.117
Error	824.112	27	30.523			

### Tests of Between-Subjects Effects

Measure: MEASURE\_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power <sup>a</sup>
Intercept	5.298	.602
Group	3.581	.341
Error		

a. Computed using alpha = .05

## Estimated Marginal Means

### 1. Group

## Estimates

Measure: MEASURE\_1

Group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Control	3.350	1.235	.815	5.885
Western	.050	1.235	-2.485	2.585
Chinese	1.525	1.235	-1.010	4.060

## Pairwise Comparisons

Measure: MEASURE\_1

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
Control	Western	3.300	1.747	.070	-.285	6.885
	Chinese	1.825	1.747	.305	-1.760	5.410
Western	Control	-3.300	1.747	.070	-6.885	.285
	Chinese	-1.475	1.747	.406	-5.060	2.110
Chinese	Control	-1.825	1.747	.305	-5.410	1.760
	Western	1.475	1.747	.406	-2.110	5.060

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

## Univariate Tests

Measure: MEASURE\_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	54.654	2	27.327	1.791	.186	.117
Error	412.056	27	15.261			

## Univariate Tests

Measure: MEASURE\_1

	Noncent. Parameter	Observed Power <sup>a</sup>
Contrast	3.581	.341
Error		

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

a. Computed using alpha = .05

## 2. Diff

## Estimates

Measure: MEASURE\_1

Diff	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	1.950	.701	.511	3.389
2	1.333	.830	-.369	3.036

## Pairwise Comparisons

Measure: MEASURE\_1

(I) Diff	(J) Diff	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
1	2	.617	.570	.289	-.553	1.787
2	1	-.617	.570	.289	-1.787	.553

Based on estimated marginal means

- a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

## Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.042	1.170 <sup>a</sup>	1.000	27.000	.289	.042
Wilks' lambda	.958	1.170 <sup>a</sup>	1.000	27.000	.289	.042
Hotelling's trace	.043	1.170 <sup>a</sup>	1.000	27.000	.289	.042
Roy's largest root	.043	1.170 <sup>a</sup>	1.000	27.000	.289	.042

## Multivariate Tests

	Noncent. Parameter	Observed Power <sup>b</sup>
Pillai's trace	1.170	.181
Wilks' lambda	1.170	.181
Hotelling's trace	1.170	.181
Roy's largest root	1.170	.181

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

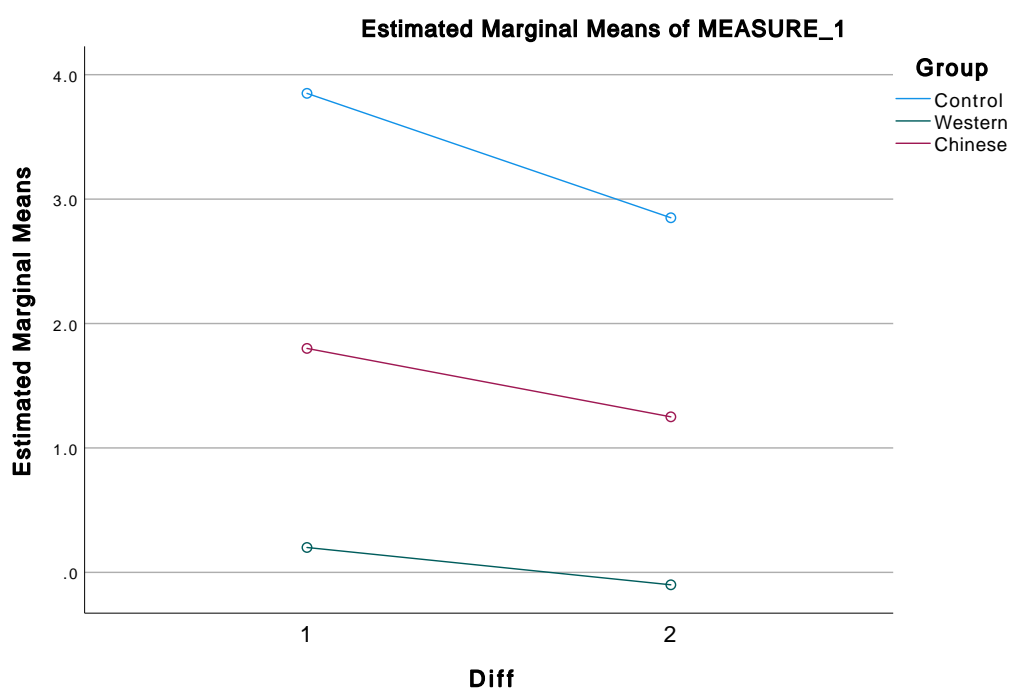
- a. Exact statistic  
b. Computed using alpha = .05

### 3. Group \* Diff

Measure: MEASURE\_1

Group	Diff	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Control	1	3.850	1.214	1.358	6.342
	2	2.850	1.437	-.099	5.799
Western	1	.200	1.214	-2.292	2.692
	2	-.100	1.437	-3.049	2.849
Chinese	1	1.800	1.214	-.692	4.292
	2	1.250	1.437	-1.699	4.199

### Profile Plots



### General Linear Model

#### Within-Subjects Factors

Measure: MEASURE\_1

Contain	Dependent Variable
1	PreContain
2	PostContain

### Between-Subjects Factors

		Value Label	N
Group	0	Control	10
	1	Western	10
	2	Chinese	10

### Descriptive Statistics

	Group	Mean	Std. Deviation	N
Pretest - Self-containment-Connectedness	Control	-6.600	6.4239	10
	Western	-9.900	3.8283	10
	Chinese	-6.400	5.8252	10
	Total	-7.633	5.5273	30
Posttest - Self-containment-Connectedness	Control	-5.850	6.5237	10
	Western	-8.150	3.4242	10
	Chinese	-7.700	4.0222	10
	Total	-7.233	4.7846	30

### Box's Test of Equality of Covariance Matrices<sup>a</sup>

Box's M	7.772
F	1.156
df1	6
df2	18168.923
Sig.	.327

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

a. Design: Intercept + Group  
Within Subjects Design: Contain

### Multivariate Tests<sup>a</sup>

Effect		Value	F	Hypothesis df	Error df
Contain	Pillai's Trace	.018	.495 <sup>b</sup>	1.000	27.000
	Wilks' Lambda	.982	.495 <sup>b</sup>	1.000	27.000
	Hotelling's Trace	.018	.495 <sup>b</sup>	1.000	27.000
	Roy's Largest Root	.018	.495 <sup>b</sup>	1.000	27.000
Contain * Group	Pillai's Trace	.156	2.493 <sup>b</sup>	2.000	27.000
	Wilks' Lambda	.844	2.493 <sup>b</sup>	2.000	27.000
	Hotelling's Trace	.185	2.493 <sup>b</sup>	2.000	27.000
	Roy's Largest Root	.185	2.493 <sup>b</sup>	2.000	27.000

### Multivariate Tests<sup>a</sup>

Effect		Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>c</sup>
Contain	Pillai's Trace	.488	.018	.495	.104
	Wilks' Lambda	.488	.018	.495	.104
	Hotelling's Trace	.488	.018	.495	.104
	Roy's Largest Root	.488	.018	.495	.104
Contain * Group	Pillai's Trace	.102	.156	4.985	.457
	Wilks' Lambda	.102	.156	4.985	.457
	Hotelling's Trace	.102	.156	4.985	.457
	Roy's Largest Root	.102	.156	4.985	.457

a. Design: Intercept + Group  
Within Subjects Design: Contain

b. Exact statistic

c. Computed using alpha = .05

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon <sup>b</sup> Greenhouse-Geisser
Contain	1.000	.000	0	.	1.000

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

		Epsilon <sup>b</sup>
Within Subjects Effect	Huynh-Feldt	Lower-bound
Contain	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.

- Design: Intercept + Group  
Within Subjects Design: Contain
- 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
Contain	Sphericity Assumed	2.400	1	2.400	.495
	Greenhouse-Geisser	2.400	1.000	2.400	.495
	Huynh-Feldt	2.400	1.000	2.400	.495
	Lower-bound	2.400	1.000	2.400	.495
Contain * Group	Sphericity Assumed	24.175	2	12.087	2.493
	Greenhouse-Geisser	24.175	2.000	12.087	2.493
	Huynh-Feldt	24.175	2.000	12.087	2.493
	Lower-bound	24.175	2.000	12.087	2.493
Error(Contain)	Sphericity Assumed	130.925	27	4.849	
	Greenhouse-Geisser	130.925	27.000	4.849	
	Huynh-Feldt	130.925	27.000	4.849	
	Lower-bound	130.925	27.000	4.849	

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Sig.	Partial Eta Squared	Noncent. Parameter
Contain	Sphericity Assumed	.488	.018	.495
	Greenhouse-Geisser	.488	.018	.495
	Huynh-Feldt	.488	.018	.495
	Lower-bound	.488	.018	.495
Contain * Group	Sphericity Assumed	.102	.156	4.985
	Greenhouse-Geisser	.102	.156	4.985
	Huynh-Feldt	.102	.156	4.985
	Lower-bound	.102	.156	4.985
Error(Contain)	Sphericity Assumed			
	Greenhouse-Geisser			
	Huynh-Feldt			
	Lower-bound			

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Observed Power <sup>a</sup>
Contain	Sphericity Assumed	.104
	Greenhouse-Geisser	.104
	Huynh-Feldt	.104
	Lower-bound	.104
Contain * Group	Sphericity Assumed	.457
	Greenhouse-Geisser	.457
	Huynh-Feldt	.457
	Lower-bound	.457
Error(Contain)	Sphericity Assumed	
	Greenhouse-Geisser	
	Huynh-Feldt	
	Lower-bound	

a. Computed using alpha = .05

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	Contain	Type III Sum of Squares	df	Mean Square	F	Sig.
Contain	Linear	2.400	1	2.400	.495	.488
Contain * Group	Linear	24.175	2	12.087	2.493	.102
Error(Contain)	Linear	130.925	27	4.849		

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	Contain	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Contain	Linear	.018	.495	.104
Contain * Group	Linear	.156	4.985	.457
Error(Contain)	Linear			

a. Computed using alpha = .05



### Levene's Test of Equality of Error Variances<sup>a</sup>

		Levene Statistic	df1	df2
Pretest - Self-containment-Connectedness	Based on Mean	2.135	2	27
	Based on Median	1.395	2	27
	Based on Median and with adjusted df	1.395	2	23.991
	Based on trimmed mean	2.107	2	27
Posttest - Self-containment-Connectedness	Based on Mean	1.662	2	27
	Based on Median	1.339	2	27
	Based on Median and with adjusted df	1.339	2	20.300
	Based on trimmed mean	1.530	2	27

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Sig.
Pretest - Self-containment-Connectedness	Based on Mean	.138
	Based on Median	.265
	Based on Median and with adjusted df	.267
	Based on trimmed mean	.141
Posttest - Self-containment-Connectedness	Based on Mean	.209
	Based on Median	.279
	Based on Median and with adjusted df	.284
	Based on trimmed mean	.235

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

- a. Design: Intercept + Group  
Within Subjects Design: Contain

### 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	3315.267	1	3315.267	68.230	<.001	.716
Group	82.808	2	41.404	.852	.438	.059
Error	1311.925	27	48.590			

## Tests of Between-Subjects Effects

Measure: MEASURE\_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power <sup>a</sup>
Intercept	68.230	1.000
Group	1.704	.181
Error		

a. Computed using alpha = .05

## Estimated Marginal Means

### 1. Group

#### Estimates

Measure: MEASURE\_1

Group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Control	-6.225	1.559	-9.423	-3.027
Western	-9.025	1.559	-12.223	-5.827
Chinese	-7.050	1.559	-10.248	-3.852

#### Pairwise Comparisons

Measure: MEASURE\_1

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
Control	Western	2.800	2.204	.215	-1.723	7.323
	Chinese	.825	2.204	.711	-3.698	5.348
Western	Control	-2.800	2.204	.215	-7.323	1.723
	Chinese	-1.975	2.204	.378	-6.498	2.548
Chinese	Control	-.825	2.204	.711	-5.348	3.698
	Western	1.975	2.204	.378	-2.548	6.498

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

### Univariate Tests

Measure: MEASURE\_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	41.404	2	20.702	.852	.438	.059
Error	655.963	27	24.295			

### Univariate Tests

Measure: MEASURE\_1

	Noncent. Parameter	Observed Power <sup>a</sup>
Contrast	1.704	.181
Error		

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

a. Computed using alpha = .05

## 2. Contain

### Estimates

Measure: MEASURE\_1

Contain	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	-7.633	.999	-9.684	-5.583
2	-7.233	.885	-9.049	-5.418

### Pairwise Comparisons

Measure: MEASURE\_1

(I) Contain	(J) Contain	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
1	2	-.400	.569	.488	-1.567	.767
2	1	.400	.569	.488	-.767	1.567

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

### Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.018	.495 <sup>a</sup>	1.000	27.000	.488	.018
Wilks' lambda	.982	.495 <sup>a</sup>	1.000	27.000	.488	.018
Hotelling's trace	.018	.495 <sup>a</sup>	1.000	27.000	.488	.018
Roy's largest root	.018	.495 <sup>a</sup>	1.000	27.000	.488	.018

### Multivariate Tests

	Noncent. Parameter	Observed Power <sup>b</sup>
Pillai's trace	.495	.104
Wilks' lambda	.495	.104
Hotelling's trace	.495	.104
Roy's largest root	.495	.104

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

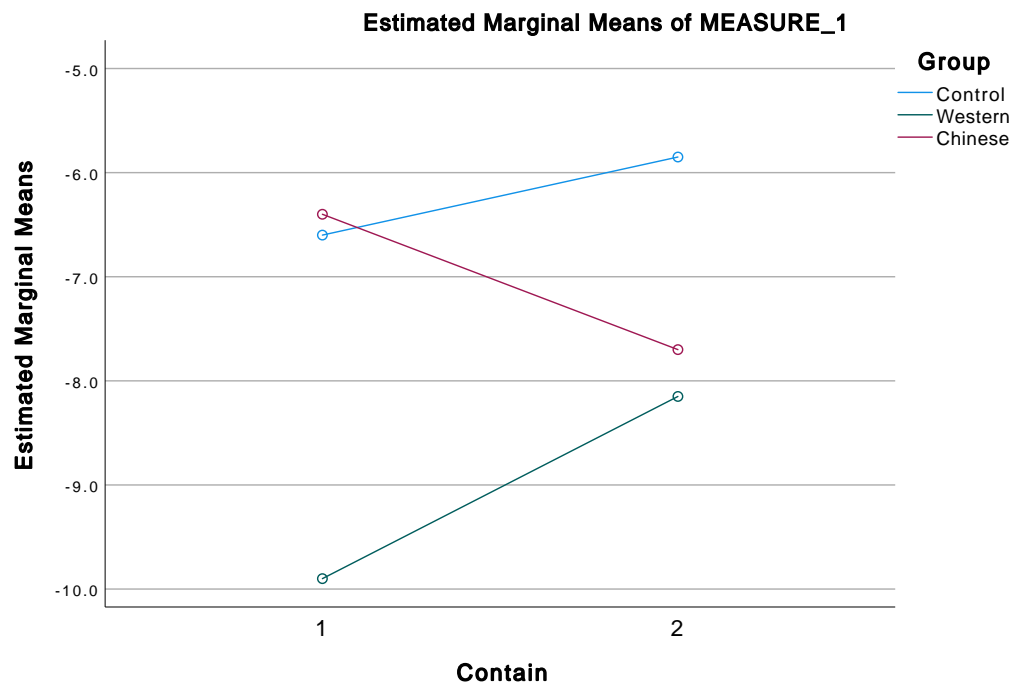
- a. Exact statistic
- b. Computed using alpha = .05

### 3. Group \* Contain

Measure: MEASURE\_1

Group	Contain	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Control	1	-6.600	1.731	-10.151	-3.049
	2	-5.850	1.533	-8.995	-2.705
Western	1	-9.900	1.731	-13.451	-6.349
	2	-8.150	1.533	-11.295	-5.005
Chinese	1	-6.400	1.731	-9.951	-2.849
	2	-7.700	1.533	-10.845	-4.555

### Profile Plots



## General Linear Model

### Within-Subjects Factors

Measure: MEASURE\_1

Direct	Dependent Variable
1	PreDirect
2	PostDirect

### Between-Subjects Factors

		Value Label	N
Group	0	Control	10
	1	Western	10
	2	Chinese	10

## Descriptive Statistics

	Group	Mean	Std. Deviation	N
Pretest - Self-direct-Receptive-influence	Control	1.250	4.2704	10
	Western	1.700	5.2132	10
	Chinese	2.450	2.6609	10
	Total	1.800	4.0675	30
Posttest - Self-direct-Receptive-influence	Control	2.050	4.8560	10
	Western	2.800	3.7653	10
	Chinese	3.200	2.0303	10
	Total	2.683	3.6376	30

## Box's Test of Equality of Covariance Matrices<sup>a</sup>

Box's M	10.548
F	1.569
df1	6
df2	18168.923
Sig.	.152

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

- a. Design: Intercept + Group  
Within Subjects Design: Direct

### Multivariate Tests<sup>a</sup>

Effect		Value	F	Hypothesis df	Error df	Sig.
Direct	Pillai's Trace	.138	4.310 <sup>b</sup>	1.000	27.000	.048
	Wilks' Lambda	.862	4.310 <sup>b</sup>	1.000	27.000	.048
	Hotelling's Trace	.160	4.310 <sup>b</sup>	1.000	27.000	.048
	Roy's Largest Root	.160	4.310 <sup>b</sup>	1.000	27.000	.048
Direct * Group	Pillai's Trace	.005	.066 <sup>b</sup>	2.000	27.000	.936
	Wilks' Lambda	.995	.066 <sup>b</sup>	2.000	27.000	.936
	Hotelling's Trace	.005	.066 <sup>b</sup>	2.000	27.000	.936
	Roy's Largest Root	.005	.066 <sup>b</sup>	2.000	27.000	.936

### Multivariate Tests<sup>a</sup>

Effect		Partial Eta Squared	Noncent. Parameter	Observed Power <sup>c</sup>
Direct	Pillai's Trace	.138	4.310	.517
	Wilks' Lambda	.138	4.310	.517
	Hotelling's Trace	.138	4.310	.517
	Roy's Largest Root	.138	4.310	.517
Direct * Group	Pillai's Trace	.005	.132	.059
	Wilks' Lambda	.005	.132	.059
	Hotelling's Trace	.005	.132	.059
	Roy's Largest Root	.005	.132	.059

a. Design: Intercept + Group  
Within Subjects Design: Direct

b. Exact statistic

c. Computed using alpha = .05

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon <sup>b</sup> Greenhouse-Geisser
Direct	1.000	.000	0	.	1.000

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

		Epsilon <sup>b</sup>
Within Subjects Effect	Huynh-Feldt	Lower-bound
Direct	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: Direct
- 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
Direct	Sphericity Assumed	11.704	1	11.704	4.310
	Greenhouse-Geisser	11.704	1.000	11.704	4.310
	Huynh-Feldt	11.704	1.000	11.704	4.310
	Lower-bound	11.704	1.000	11.704	4.310
Direct * Group	Sphericity Assumed	.358	2	.179	.066
	Greenhouse-Geisser	.358	2.000	.179	.066
	Huynh-Feldt	.358	2.000	.179	.066
	Lower-bound	.358	2.000	.179	.066
Error(Direct)	Sphericity Assumed	73.313	27	2.715	
	Greenhouse-Geisser	73.313	27.000	2.715	
	Huynh-Feldt	73.313	27.000	2.715	
	Lower-bound	73.313	27.000	2.715	

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Direct	Sphericity Assumed	.048	.138	4.310	.517
	Greenhouse-Geisser	.048	.138	4.310	.517
	Huynh-Feldt	.048	.138	4.310	.517
	Lower-bound	.048	.138	4.310	.517
Direct * Group	Sphericity Assumed	.936	.005	.132	.059
	Greenhouse-Geisser	.936	.005	.132	.059
	Huynh-Feldt	.936	.005	.132	.059
	Lower-bound	.936	.005	.132	.059
Error(Direct)	Sphericity Assumed				
	Greenhouse-Geisser				
	Huynh-Feldt				
	Lower-bound				

- a. Computed using alpha = .05



### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	Direct	Type III Sum of Squares	df	Mean Square	F	Sig.
Direct	Linear	11.704	1	11.704	4.310	.048
Direct * Group	Linear	.358	2	.179	.066	.936
Error(Direct)	Linear	73.313	27	2.715		

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	Direct	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Direct	Linear	.138	4.310	.517
Direct * Group	Linear	.005	.132	.059
Error(Direct)	Linear			

a. Computed using alpha = .05

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Levene Statistic	df1	df2
Pretest - Self-direct-Receptive-influence	Based on Mean	.587	2	27
	Based on Median	.403	2	27
	Based on Median and with adjusted df	.403	2	18.705
	Based on trimmed mean	.526	2	27
Posttest - Self-direct-Receptive-influence	Based on Mean	1.735	2	27
	Based on Median	1.611	2	27
	Based on Median and with adjusted df	1.611	2	17.369
	Based on trimmed mean	1.748	2	27

## Levene's Test of Equality of Error Variances<sup>a</sup>

		Sig.
Pretest - Self-direct-Receptive-influence	Based on Mean	.563
	Based on Median	.672
	Based on Median and with adjusted df	.674
	Based on trimmed mean	.597
Posttest - Self-direct-Receptive-influence	Based on Mean	.196
	Based on Median	.218
	Based on Median and with adjusted df	.228
	Based on trimmed mean	.193

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

a. Design: Intercept + Group  
Within Subjects Design: Direct

## 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	301.504	1	301.504	10.490	.003	.280
Group	13.808	2	6.904	.240	.788	.017
Error	776.062	27	28.743			

## Tests of Between-Subjects Effects

Measure: MEASURE\_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power <sup>a</sup>
Intercept	10.490	.877
Group	.480	.084
Error		

a. Computed using alpha = .05

## Estimated Marginal Means

### 1. Group

## Estimates

Measure: MEASURE\_1

Group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Control	1.650	1.199	-.810	4.110
Western	2.250	1.199	-.210	4.710
Chinese	2.825	1.199	.365	5.285

## Pairwise Comparisons

Measure: MEASURE\_1

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
Control	Western	-.600	1.695	.726	-4.079	2.879
	Chinese	-1.175	1.695	.494	-4.654	2.304
Western	Control	.600	1.695	.726	-2.879	4.079
	Chinese	-.575	1.695	.737	-4.054	2.904
Chinese	Control	1.175	1.695	.494	-2.304	4.654
	Western	.575	1.695	.737	-2.904	4.054

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

## Univariate Tests

Measure: MEASURE\_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	6.904	2	3.452	.240	.788	.017
Error	388.031	27	14.372			

## Univariate Tests

Measure: MEASURE\_1

	Noncent. Parameter	Observed Power <sup>a</sup>
Contrast	.480	.084
Error		

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

a. Computed using alpha = .05

## 2. Direct

## Estimates

Measure: MEASURE\_1

Direct	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	1.800	.764	.233	3.367
2	2.683	.682	1.284	4.083

## Pairwise Comparisons

Measure: MEASURE\_1

(I) Direct	(J) Direct	Mean Difference (I-J)	Std. Error	Sig. <sup>b</sup>	95% Confidence Interval for Difference <sup>b</sup>	
					Lower Bound	Upper Bound
1	2	-.883 <sup>*</sup>	.425	.048	-1.756	-.010
2	1	.883 <sup>*</sup>	.425	.048	.010	1.756

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

## Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.138	4.310 <sup>a</sup>	1.000	27.000	.048	.138
Wilks' lambda	.862	4.310 <sup>a</sup>	1.000	27.000	.048	.138
Hotelling's trace	.160	4.310 <sup>a</sup>	1.000	27.000	.048	.138
Roy's largest root	.160	4.310 <sup>a</sup>	1.000	27.000	.048	.138

## Multivariate Tests

	Noncent. Parameter	Observed Power <sup>b</sup>
Pillai's trace	4.310	.517
Wilks' lambda	4.310	.517
Hotelling's trace	4.310	.517
Roy's largest root	4.310	.517

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

a. Exact statistic

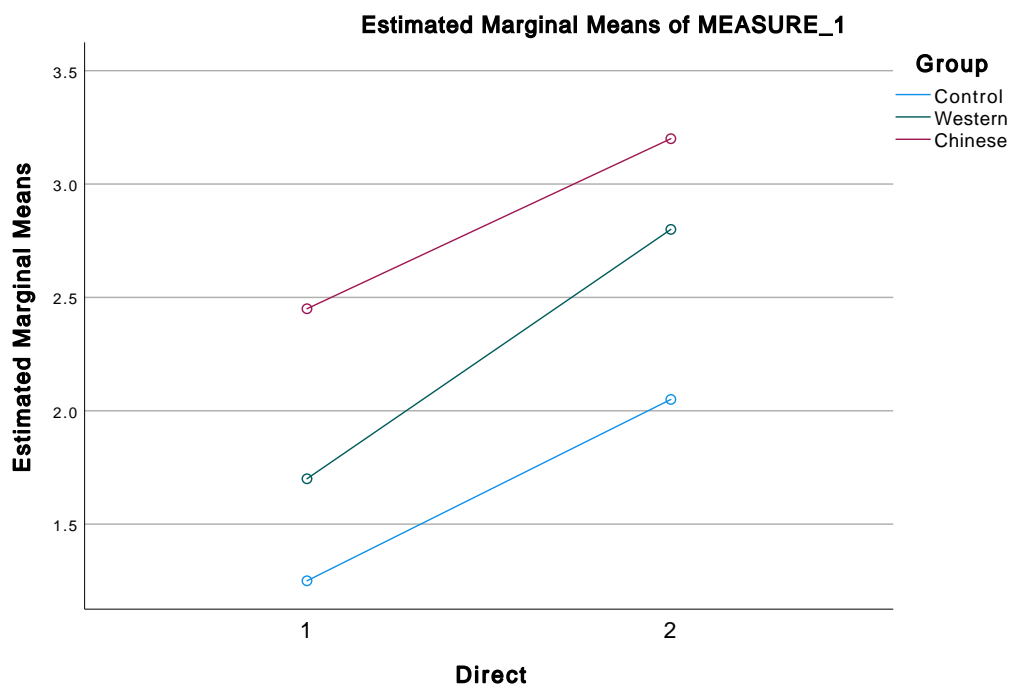
b. Computed using alpha = .05

### 3. Group \* Direct

Measure: MEASURE\_1

Group	Direct	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Control	1	1.250	1.323	-1.464	3.964
	2	2.050	1.182	-.374	4.474
Western	1	1.700	1.323	-1.014	4.414
	2	2.800	1.182	.376	5.224
Chinese	1	2.450	1.323	-.264	5.164
	2	3.200	1.182	.776	5.624

### Profile Plots



### General Linear Model

#### Within-Subjects Factors

Measure: MEASURE\_1

Express	Dependent Variable
1	PreExpress
2	PostExpress

### Between-Subjects Factors

		Value Label	N
Group	0	Control	10
	1	Western	10
	2	Chinese	10

### Descriptive Statistics

	Group	Mean	Std. Deviation	N
Pretest - Self-expression-Harmony	Control	-1.100	3.5024	10
	Western	.650	4.6431	10
	Chinese	-2.500	2.7889	10
	Total	-.983	3.8248	30
Posttest - Self-expression-Harmony	Control	-1.050	4.0445	10
	Western	.150	2.7492	10
	Chinese	-2.750	3.0664	10
	Total	-1.217	3.4358	30

### Box's Test of Equality of Covariance Matrices<sup>a</sup>

Box's M	7.988
F	1.188
df1	6
df2	18168.923
Sig.	.309

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

a. Design: Intercept + Group  
Within Subjects Design: Express

### Multivariate Tests<sup>a</sup>

Effect		Value	F	Hypothesis df	Error df
Express	Pillai's Trace	.007	.190 <sup>b</sup>	1.000	27.000
	Wilks' Lambda	.993	.190 <sup>b</sup>	1.000	27.000
	Hotelling's Trace	.007	.190 <sup>b</sup>	1.000	27.000
	Roy's Largest Root	.007	.190 <sup>b</sup>	1.000	27.000
Express * Group	Pillai's Trace	.006	.088 <sup>b</sup>	2.000	27.000
	Wilks' Lambda	.994	.088 <sup>b</sup>	2.000	27.000
	Hotelling's Trace	.007	.088 <sup>b</sup>	2.000	27.000
	Roy's Largest Root	.007	.088 <sup>b</sup>	2.000	27.000

### Multivariate Tests<sup>a</sup>

Effect		Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>c</sup>
Express	Pillai's Trace	.666	.007	.190	.071
	Wilks' Lambda	.666	.007	.190	.071
	Hotelling's Trace	.666	.007	.190	.071
	Roy's Largest Root	.666	.007	.190	.071
Express * Group	Pillai's Trace	.916	.006	.177	.062
	Wilks' Lambda	.916	.006	.177	.062
	Hotelling's Trace	.916	.006	.177	.062
	Roy's Largest Root	.916	.006	.177	.062

a. Design: Intercept + Group  
Within Subjects Design: Express

b. Exact statistic

c. Computed using alpha = .05

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon <sup>b</sup> Greenhouse-Geisser
Express	1.000	.000	0	.	1.000

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Epsilon <sup>b</sup>		
Within Subjects Effect	Huynh-Feldt	Lower-bound
Express	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.

- Design: Intercept + Group  
Within Subjects Design: Express
- 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
Express	Sphericity Assumed	.817	1	.817	.190
	Greenhouse-Geisser	.817	1.000	.817	.190
	Huynh-Feldt	.817	1.000	.817	.190
	Lower-bound	.817	1.000	.817	.190
Express * Group	Sphericity Assumed	.758	2	.379	.088
	Greenhouse-Geisser	.758	2.000	.379	.088
	Huynh-Feldt	.758	2.000	.379	.088
	Lower-bound	.758	2.000	.379	.088
Error(Express)	Sphericity Assumed	115.925	27	4.294	
	Greenhouse-Geisser	115.925	27.000	4.294	
	Huynh-Feldt	115.925	27.000	4.294	
	Lower-bound	115.925	27.000	4.294	

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Sig.	Partial Eta Squared	Noncent. Parameter
Express	Sphericity Assumed	.666	.007	.190
	Greenhouse-Geisser	.666	.007	.190
	Huynh-Feldt	.666	.007	.190
	Lower-bound	.666	.007	.190
Express * Group	Sphericity Assumed	.916	.006	.177
	Greenhouse-Geisser	.916	.006	.177
	Huynh-Feldt	.916	.006	.177
	Lower-bound	.916	.006	.177
Error(Express)	Sphericity Assumed			
	Greenhouse-Geisser			
	Huynh-Feldt			
	Lower-bound			



### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Observed Power <sup>a</sup>
Express	Sphericity Assumed	.071
	Greenhouse-Geisser	.071
	Huynh-Feldt	.071
	Lower-bound	.071
Express * Group	Sphericity Assumed	.062
	Greenhouse-Geisser	.062
	Huynh-Feldt	.062
	Lower-bound	.062
Error(Express)	Sphericity Assumed	
	Greenhouse-Geisser	
	Huynh-Feldt	
	Lower-bound	

a. Computed using alpha = .05

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	Express	Type III Sum of Squares	df	Mean Square	F	Sig.
Express	Linear	.817	1	.817	.190	.666
Express * Group	Linear	.758	2	.379	.088	.916
Error(Express)	Linear	115.925	27	4.294		

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	Express	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Express	Linear	.007	.190	.071
Express * Group	Linear	.006	.177	.062
Error(Express)	Linear			

a. Computed using alpha = .05

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Levene Statistic	df1	df2
Pretest - Self-expression-Harmony	Based on Mean	1.329	2	27
	Based on Median	1.233	2	27
	Based on Median and with adjusted df	1.233	2	24.936
	Based on trimmed mean	1.331	2	27
Posttest - Self-expression-Harmony	Based on Mean	1.188	2	27
	Based on Median	1.117	2	27
	Based on Median and with adjusted df	1.117	2	26.859
	Based on trimmed mean	1.196	2	27

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Sig.
Pretest - Self-expression-Harmony	Based on Mean	.282
	Based on Median	.307
	Based on Median and with adjusted df	.309
	Based on trimmed mean	.281
Posttest - Self-expression-Harmony	Based on Mean	.320
	Based on Median	.342
	Based on Median and with adjusted df	.342
	Based on trimmed mean	.318

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

- a. Design: Intercept + Group  
Within Subjects Design: Express

### 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	72.600	1	72.600	3.511	.072	.115
Group	91.525	2	45.762	2.213	.129	.141
Error	558.375	27	20.681			

## Tests of Between-Subjects Effects

Measure: MEASURE\_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power <sup>a</sup>
Intercept	3.511	.439
Group	4.426	.412
Error		

a. Computed using alpha = .05

## Estimated Marginal Means

### 1. Group

#### Estimates

Measure: MEASURE\_1

Group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Control	-1.075	1.017	-3.161	1.011
Western	.400	1.017	-1.686	2.486
Chinese	-2.625	1.017	-4.711	-.539

#### Pairwise Comparisons

Measure: MEASURE\_1

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig. <sup>b</sup>	95% Confidence Interval for Difference <sup>b</sup>	
					Lower Bound	Upper Bound
Control	Western	-1.475	1.438	.314	-4.426	1.476
	Chinese	1.550	1.438	.291	-1.401	4.501
Western	Control	1.475	1.438	.314	-1.476	4.426
	Chinese	3.025 <sup>*</sup>	1.438	.045	.074	5.976
Chinese	Control	-1.550	1.438	.291	-4.501	1.401
	Western	-3.025 <sup>*</sup>	1.438	.045	-5.976	-.074

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

### Univariate Tests

Measure: MEASURE\_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	45.762	2	22.881	2.213	.129	.141
Error	279.188	27	10.340			

### Univariate Tests

Measure: MEASURE\_1

	Noncent. Parameter	Observed Power <sup>a</sup>
Contrast	4.426	.412
Error		

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

a. Computed using alpha = .05

## 2. Express

### Estimates

Measure: MEASURE\_1

Express	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	-.983	.680	-2.378	.412
2	-1.217	.608	-2.465	.032

### Pairwise Comparisons

Measure: MEASURE\_1

(I) Express	(J) Express	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
1	2	.233	.535	.666	-.864	1.331
2	1	-.233	.535	.666	-1.331	.864

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

### Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.007	.190 <sup>a</sup>	1.000	27.000	.666	.007
Wilks' lambda	.993	.190 <sup>a</sup>	1.000	27.000	.666	.007
Hotelling's trace	.007	.190 <sup>a</sup>	1.000	27.000	.666	.007
Roy's largest root	.007	.190 <sup>a</sup>	1.000	27.000	.666	.007

### Multivariate Tests

	Noncent. Parameter	Observed Power <sup>b</sup>
Pillai's trace	.190	.071
Wilks' lambda	.190	.071
Hotelling's trace	.190	.071
Roy's largest root	.190	.071

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

a. Exact statistic

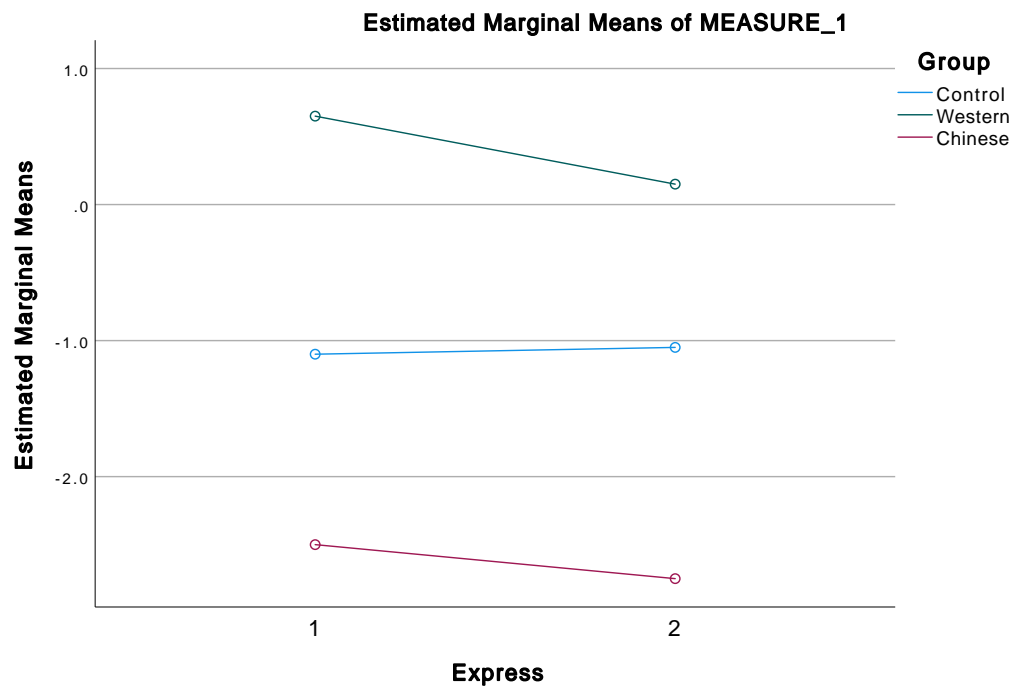
b. Computed using alpha = .05

### 3. Group \* Express

Measure: MEASURE\_1

Group	Express	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Control	1	-1.100	1.178	-3.516	1.316
	2	-1.050	1.054	-3.212	1.112
Western	1	.650	1.178	-1.766	3.066
	2	.150	1.054	-2.012	2.312
Chinese	1	-2.500	1.178	-4.916	-.084
	2	-2.750	1.054	-4.912	-.588

### Profile Plots



## General Linear Model

### Within-Subjects Factors

Measure: MEASURE\_1

Consist	Dependent Variable
1	PreConsist
2	PostConsist

### Between-Subjects Factors

		Value Label	N
Group	0	Control	10
	1	Western	10
	2	Chinese	10

## Descriptive Statistics

	Group	Mean	Std. Deviation	N
Pretest - Consistent-Variable	Control	-4.000	3.5198	10
	Western	.400	5.3686	10
	Chinese	-.550	3.3620	10
	Total	-1.383	4.4715	30
Posttest - Consistent-Variable	Control	-5.700	4.1580	10
	Western	-.600	5.2694	10
	Chinese	-.650	4.3719	10
	Total	-2.317	5.0829	30

## Box's Test of Equality of Covariance Matrices<sup>a</sup>

Box's M	3.962
F	.589
df1	6
df2	18168.923
Sig.	.739

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

- a. Design: Intercept + Group  
Within Subjects Design: Consist

### Multivariate Tests<sup>a</sup>

Effect		Value	F	Hypothesis df	Error df	Sig.
Consist	Pillai's Trace	.088	2.609 <sup>b</sup>	1.000	27.000	.118
	Wilks' Lambda	.912	2.609 <sup>b</sup>	1.000	27.000	.118
	Hotelling's Trace	.097	2.609 <sup>b</sup>	1.000	27.000	.118
	Roy's Largest Root	.097	2.609 <sup>b</sup>	1.000	27.000	.118
Consist * Group	Pillai's Trace	.045	.642 <sup>b</sup>	2.000	27.000	.534
	Wilks' Lambda	.955	.642 <sup>b</sup>	2.000	27.000	.534
	Hotelling's Trace	.048	.642 <sup>b</sup>	2.000	27.000	.534
	Roy's Largest Root	.048	.642 <sup>b</sup>	2.000	27.000	.534

### Multivariate Tests<sup>a</sup>

Effect		Partial Eta Squared	Noncent. Parameter	Observed Power <sup>c</sup>
Consist	Pillai's Trace	.088	2.609	.344
	Wilks' Lambda	.088	2.609	.344
	Hotelling's Trace	.088	2.609	.344
	Roy's Largest Root	.088	2.609	.344
Consist * Group	Pillai's Trace	.045	1.284	.146
	Wilks' Lambda	.045	1.284	.146
	Hotelling's Trace	.045	1.284	.146
	Roy's Largest Root	.045	1.284	.146

a. Design: Intercept + Group  
Within Subjects Design: Consist

b. Exact statistic

c. Computed using alpha = .05

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon <sup>b</sup> Greenhouse-Geisser
Consist	1.000	.000	0	.	1.000

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Epsilon <sup>b</sup>	
	Huynh-Feldt	Lower-bound
Consist	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: Consist
- 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
Consist	Sphericity Assumed	13.067	1	13.067	2.609
	Greenhouse-Geisser	13.067	1.000	13.067	2.609
	Huynh-Feldt	13.067	1.000	13.067	2.609
	Lower-bound	13.067	1.000	13.067	2.609
Consist * Group	Sphericity Assumed	6.433	2	3.217	.642
	Greenhouse-Geisser	6.433	2.000	3.217	.642
	Huynh-Feldt	6.433	2.000	3.217	.642
	Lower-bound	6.433	2.000	3.217	.642
Error(Consist)	Sphericity Assumed	135.250	27	5.009	
	Greenhouse-Geisser	135.250	27.000	5.009	
	Huynh-Feldt	135.250	27.000	5.009	
	Lower-bound	135.250	27.000	5.009	

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Sig.	Partial Eta Squared	Noncent. Parameter
Consist	Sphericity Assumed	.118	.088	2.609
	Greenhouse-Geisser	.118	.088	2.609
	Huynh-Feldt	.118	.088	2.609
	Lower-bound	.118	.088	2.609
Consist * Group	Sphericity Assumed	.534	.045	1.284
	Greenhouse-Geisser	.534	.045	1.284
	Huynh-Feldt	.534	.045	1.284
	Lower-bound	.534	.045	1.284
Error(Consist)	Sphericity Assumed			
	Greenhouse-Geisser			
	Huynh-Feldt			
	Lower-bound			

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Observed Power <sup>a</sup>
Consist	Sphericity Assumed	.344
	Greenhouse-Geisser	.344
	Huynh-Feldt	.344
	Lower-bound	.344
Consist * Group	Sphericity Assumed	.146
	Greenhouse-Geisser	.146
	Huynh-Feldt	.146
	Lower-bound	.146
Error(Consist)	Sphericity Assumed	
	Greenhouse-Geisser	
	Huynh-Feldt	
	Lower-bound	

a. Computed using alpha = .05

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	Consist	Type III Sum of Squares	df	Mean Square	F	Sig.
Consist	Linear	13.067	1	13.067	2.609	.118
Consist * Group	Linear	6.433	2	3.217	.642	.534
Error(Consist)	Linear	135.250	27	5.009		

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	Consist	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Consist	Linear	.088	2.609	.344
Consist * Group	Linear	.045	1.284	.146
Error(Consist)	Linear			

a. Computed using alpha = .05

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Levene Statistic	df1	df2
Pretest - Consistent- Variable	Based on Mean	.796	2	27
	Based on Median	.352	2	27
	Based on Median and with adjusted df	.352	2	19.265
	Based on trimmed mean	.653	2	27
Posttest - Consistent- Variable	Based on Mean	.058	2	27
	Based on Median	.117	2	27
	Based on Median and with adjusted df	.117	2	26.541
	Based on trimmed mean	.063	2	27

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Sig.
Pretest - Consistent- Variable	Based on Mean	.462
	Based on Median	.707
	Based on Median and with adjusted df	.708
	Based on trimmed mean	.528
Posttest - Consistent- Variable	Based on Mean	.944
	Based on Median	.890
	Based on Median and with adjusted df	.890
	Based on trimmed mean	.940

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

- a. Design: Intercept + Group  
Within Subjects Design: Consist

### 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	205.350	1	205.350	6.060	.021	.183
Group	272.500	2	136.250	4.021	.030	.229
Error	914.900	27	33.885			

## Tests of Between-Subjects Effects

Measure: MEASURE\_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power <sup>a</sup>
Intercept	6.060	.660
Group	8.042	.668
Error		

a. Computed using alpha = .05

## Estimated Marginal Means

### 1. Group

#### Estimates

Measure: MEASURE\_1

Group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Control	-4.850	1.302	-7.521	-2.179
Western	-.100	1.302	-2.771	2.571
Chinese	-.600	1.302	-3.271	2.071

#### Pairwise Comparisons

Measure: MEASURE\_1

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig. <sup>b</sup>	95% Confidence Interval for Difference <sup>b</sup>	
					Lower Bound	Upper Bound
Control	Western	-4.750 *	1.841	.016	-8.527	-.973
	Chinese	-4.250 *	1.841	.029	-8.027	-.473
Western	Control	4.750 *	1.841	.016	.973	8.527
	Chinese	.500	1.841	.788	-3.277	4.277
Chinese	Control	4.250 *	1.841	.029	.473	8.027
	Western	-.500	1.841	.788	-4.277	3.277

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

### Univariate Tests

Measure: MEASURE\_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	136.250	2	68.125	4.021	.030	.229
Error	457.450	27	16.943			

### Univariate Tests

Measure: MEASURE\_1

	Noncent. Parameter	Observed Power <sup>a</sup>
Contrast	8.042	.668
Error		

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

a. Computed using alpha = .05

## 2. Consist

### Estimates

Measure: MEASURE\_1

Consist	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	-1.383	.764	-2.951	.184
2	-2.317	.844	-4.049	-.584

### Pairwise Comparisons

Measure: MEASURE\_1

(I) Consist	(J) Consist	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
1	2	.933	.578	.118	-.252	2.119
2	1	-.933	.578	.118	-2.119	.252

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

### Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.088	2.609 <sup>a</sup>	1.000	27.000	.118	.088
Wilks' lambda	.912	2.609 <sup>a</sup>	1.000	27.000	.118	.088
Hotelling's trace	.097	2.609 <sup>a</sup>	1.000	27.000	.118	.088
Roy's largest root	.097	2.609 <sup>a</sup>	1.000	27.000	.118	.088

### Multivariate Tests

	Noncent. Parameter	Observed Power <sup>b</sup>
Pillai's trace	2.609	.344
Wilks' lambda	2.609	.344
Hotelling's trace	2.609	.344
Roy's largest root	2.609	.344

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

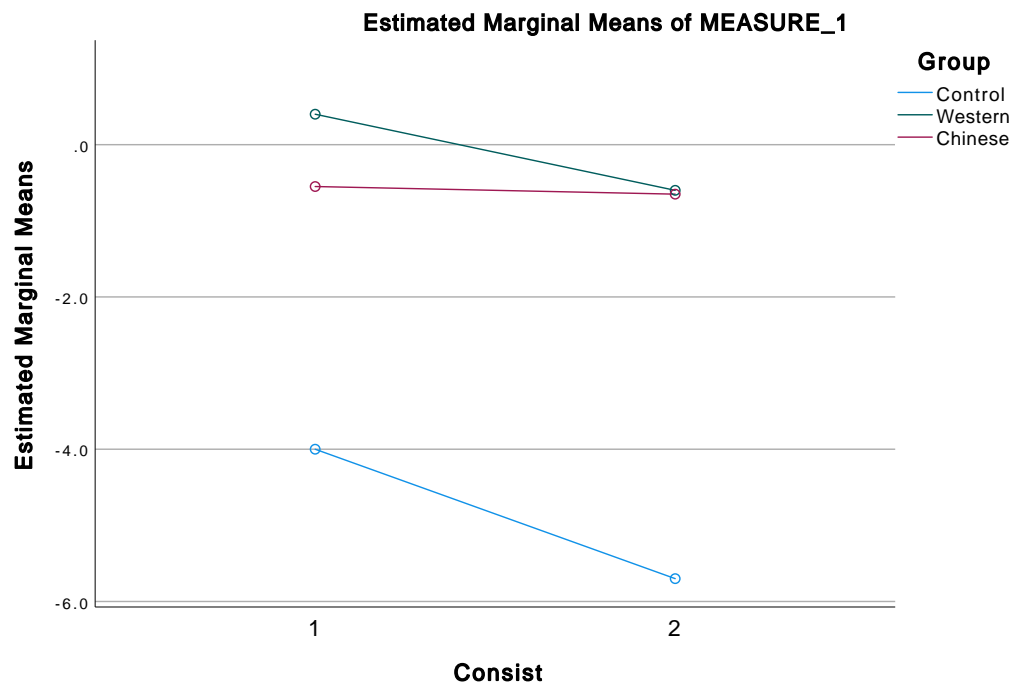
- a. Exact statistic
- b. Computed using alpha = .05

### 3. Group \* Consist

Measure: MEASURE\_1

Group	Consist	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Control	1	-4.000	1.323	-6.715	-1.285
	2	-5.700	1.463	-8.701	-2.699
Western	1	.400	1.323	-2.315	3.115
	2	-.600	1.463	-3.601	2.401
Chinese	1	-.550	1.323	-3.265	2.165
	2	-.650	1.463	-3.651	2.351

### Profile Plots



## General Linear Model

### Within-Subjects Factors

Measure: MEASURE\_1

Context	Dependent Variable
1	PreContext
2	PostContext

### Between-Subjects Factors

		Value Label	N
Group	0	Control	10
	1	Western	10
	2	Chinese	10

## Descriptive Statistics

	Group	Mean	Std. Deviation	N
Pretest - Contextualised	Control	3.450	4.6634	10
	Western	.350	3.9303	10
	Chinese	1.650	4.7084	10
	Total	1.817	4.4827	30
Posttest - Contextualised	Control	2.750	4.3922	10
	Western	2.400	5.2483	10
	Chinese	2.150	4.9500	10
	Total	2.433	4.7119	30

## Box's Test of Equality of Covariance Matrices<sup>a</sup>

Box's M	1.244
F	.185
df1	6
df2	18168.923
Sig.	.981

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

- a. Design: Intercept + Group  
Within Subjects Design: Context



### Multivariate Tests<sup>a</sup>

Effect		Value	F	Hypothesis df	Error df
Context	Pillai's Trace	.034	.938 <sup>b</sup>	1.000	27.000
	Wilks' Lambda	.966	.938 <sup>b</sup>	1.000	27.000
	Hotelling's Trace	.035	.938 <sup>b</sup>	1.000	27.000
	Roy's Largest Root	.035	.938 <sup>b</sup>	1.000	27.000
Context * Group	Pillai's Trace	.104	1.563 <sup>b</sup>	2.000	27.000
	Wilks' Lambda	.896	1.563 <sup>b</sup>	2.000	27.000
	Hotelling's Trace	.116	1.563 <sup>b</sup>	2.000	27.000
	Roy's Largest Root	.116	1.563 <sup>b</sup>	2.000	27.000

### Multivariate Tests<sup>a</sup>

Effect		Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>c</sup>
Context	Pillai's Trace	.341	.034	.938	.154
	Wilks' Lambda	.341	.034	.938	.154
	Hotelling's Trace	.341	.034	.938	.154
	Roy's Largest Root	.341	.034	.938	.154
Context * Group	Pillai's Trace	.228	.104	3.126	.302
	Wilks' Lambda	.228	.104	3.126	.302
	Hotelling's Trace	.228	.104	3.126	.302
	Roy's Largest Root	.228	.104	3.126	.302

a. Design: Intercept + Group  
Within Subjects Design: Context

b. Exact statistic

c. Computed using alpha = .05

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon <sup>b</sup> Greenhouse-Geisser
Context	1.000	.000	0	.	1.000

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Huynh-Feldt	Lower-bound
Context	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.

- Design: Intercept + Group  
Within Subjects Design: Context
- 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
Context	Sphericity Assumed	5.704	1	5.704	.938
	Greenhouse-Geisser	5.704	1.000	5.704	.938
	Huynh-Feldt	5.704	1.000	5.704	.938
	Lower-bound	5.704	1.000	5.704	.938
Context * Group	Sphericity Assumed	19.008	2	9.504	1.563
	Greenhouse-Geisser	19.008	2.000	9.504	1.563
	Huynh-Feldt	19.008	2.000	9.504	1.563
	Lower-bound	19.008	2.000	9.504	1.563
Error(Context)	Sphericity Assumed	164.162	27	6.080	
	Greenhouse-Geisser	164.162	27.000	6.080	
	Huynh-Feldt	164.162	27.000	6.080	
	Lower-bound	164.162	27.000	6.080	

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Sig.	Partial Eta Squared	Noncent. Parameter
Context	Sphericity Assumed	.341	.034	.938
	Greenhouse-Geisser	.341	.034	.938
	Huynh-Feldt	.341	.034	.938
	Lower-bound	.341	.034	.938
Context * Group	Sphericity Assumed	.228	.104	3.126
	Greenhouse-Geisser	.228	.104	3.126
	Huynh-Feldt	.228	.104	3.126
	Lower-bound	.228	.104	3.126
Error(Context)	Sphericity Assumed			
	Greenhouse-Geisser			
	Huynh-Feldt			
	Lower-bound			

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Observed Power <sup>a</sup>
Context	Sphericity Assumed	.154
	Greenhouse-Geisser	.154
	Huynh-Feldt	.154
	Lower-bound	.154
Context * Group	Sphericity Assumed	.302
	Greenhouse-Geisser	.302
	Huynh-Feldt	.302
	Lower-bound	.302
Error(Context)	Sphericity Assumed	
	Greenhouse-Geisser	
	Huynh-Feldt	
	Lower-bound	

a. Computed using alpha = .05

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	Context	Type III Sum of Squares	df	Mean Square	F	Sig.
Context	Linear	5.704	1	5.704	.938	.341
Context * Group	Linear	19.008	2	9.504	1.563	.228
Error(Context)	Linear	164.162	27	6.080		

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	Context	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Context	Linear	.034	.938	.154
Context * Group	Linear	.104	3.126	.302
Error(Context)	Linear			

a. Computed using alpha = .05

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Levene Statistic	df1	df2
Pretest - Contextualised	Based on Mean	.330	2	27
	Based on Median	.139	2	27
	Based on Median and with adjusted df	.139	2	23.673
	Based on trimmed mean	.311	2	27
Posttest - Contextualised	Based on Mean	.149	2	27
	Based on Median	.269	2	27
	Based on Median and with adjusted df	.269	2	25.740
	Based on trimmed mean	.169	2	27

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Sig.
Pretest - Contextualised	Based on Mean	.722
	Based on Median	.871
	Based on Median and with adjusted df	.871
	Based on trimmed mean	.735
Posttest - Contextualised	Based on Mean	.862
	Based on Median	.766
	Based on Median and with adjusted df	.766
	Based on trimmed mean	.845

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

- a. Design: Intercept + Group  
Within Subjects Design: Context

### 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	270.937	1	270.937	7.227	.012	.211
Group	31.275	2	15.638	.417	.663	.030
Error	1012.162	27	37.487			

## Tests of Between-Subjects Effects

Measure: MEASURE\_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power <sup>a</sup>
Intercept	7.227	.736
Group	.834	.111
Error		

a. Computed using alpha = .05

## Estimated Marginal Means

### 1. Group

#### Estimates

Measure: MEASURE\_1

Group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Control	3.100	1.369	.291	5.909
Western	1.375	1.369	-1.434	4.184
Chinese	1.900	1.369	-.909	4.709

#### Pairwise Comparisons

Measure: MEASURE\_1

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
Control	Western	1.725	1.936	.381	-2.248	5.698
	Chinese	1.200	1.936	.541	-2.773	5.173
Western	Control	-1.725	1.936	.381	-5.698	2.248
	Chinese	-.525	1.936	.788	-4.498	3.448
Chinese	Control	-1.200	1.936	.541	-5.173	2.773
	Western	.525	1.936	.788	-3.448	4.498

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

### Univariate Tests

Measure: MEASURE\_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	15.638	2	7.819	.417	.663	.030
Error	506.081	27	18.744			

### Univariate Tests

Measure: MEASURE\_1

	Noncent. Parameter	Observed Power <sup>a</sup>
Contrast	.834	.111
Error		

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

a. Computed using alpha = .05

## 2. Context

### Estimates

Measure: MEASURE\_1

Context	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	1.817	.812	.150	3.483
2	2.433	.890	.607	4.260

### Pairwise Comparisons

Measure: MEASURE\_1

(I) Context	(J) Context	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
1	2	-.617	.637	.341	-1.923	.690
2	1	.617	.637	.341	-.690	1.923

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

### Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.034	.938 <sup>a</sup>	1.000	27.000	.341	.034
Wilks' lambda	.966	.938 <sup>a</sup>	1.000	27.000	.341	.034
Hotelling's trace	.035	.938 <sup>a</sup>	1.000	27.000	.341	.034
Roy's largest root	.035	.938 <sup>a</sup>	1.000	27.000	.341	.034

### Multivariate Tests

	Noncent. Parameter	Observed Power <sup>b</sup>
Pillai's trace	.938	.154
Wilks' lambda	.938	.154
Hotelling's trace	.938	.154
Roy's largest root	.938	.154

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

a. Exact statistic

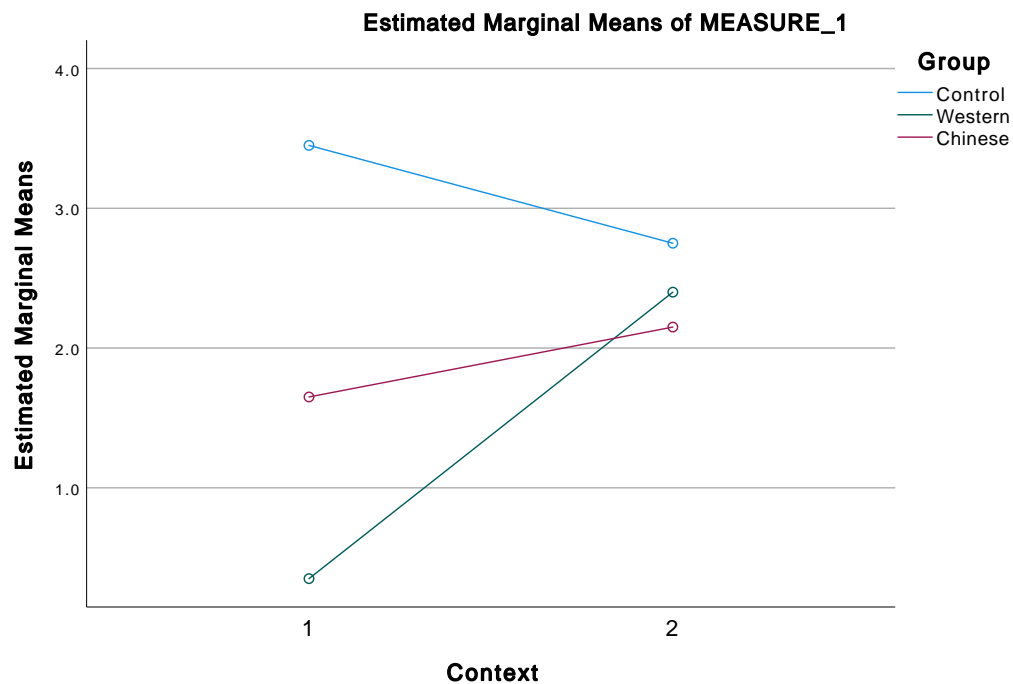
b. Computed using alpha = .05

### 3. Group \* Context

Measure: MEASURE\_1

Group	Context	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Control	1	3.450	1.407	.564	6.336
	2	2.750	1.542	-.414	5.914
Western	1	.350	1.407	-2.536	3.236
	2	2.400	1.542	-.764	5.564
Chinese	1	1.650	1.407	-1.236	4.536
	2	2.150	1.542	-1.014	5.314

### Profile Plots



## General Linear Model

### Within-Subjects Factors

Measure: MEASURE\_1

Rely	Dependent Variable
1	PreRely
2	PostRely

### Between-Subjects Factors

		Value Label	N
Group	0	Control	10
	1	Western	10
	2	Chinese	10



## Descriptive Statistics

	Group	Mean	Std. Deviation	N
Pretest - Self-reliance-Dependence	Control	4.300	4.4920	10
	Western	3.550	4.1059	10
	Chinese	2.750	3.9739	10
	Total	3.533	4.0999	30
Posttest - Self-reliance-Dependence	Control	4.850	5.3388	10
	Western	4.400	3.9144	10
	Chinese	3.900	2.8944	10
	Total	4.383	4.0443	30

## Box's Test of Equality of Covariance Matrices<sup>a</sup>

Box's M	5.006
F	.745
df1	6
df2	18168.923
Sig.	.614

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

- a. Design: Intercept + Group  
Within Subjects Design: Rely

### Multivariate Tests<sup>a</sup>

Effect		Value	F	Hypothesis df	Error df	Sig.
Rely	Pillai's Trace	.100	2.989 <sup>b</sup>	1.000	27.000	.095
	Wilks' Lambda	.900	2.989 <sup>b</sup>	1.000	27.000	.095
	Hotelling's Trace	.111	2.989 <sup>b</sup>	1.000	27.000	.095
	Roy's Largest Root	.111	2.989 <sup>b</sup>	1.000	27.000	.095
Rely * Group	Pillai's Trace	.009	.124 <sup>b</sup>	2.000	27.000	.884
	Wilks' Lambda	.991	.124 <sup>b</sup>	2.000	27.000	.884
	Hotelling's Trace	.009	.124 <sup>b</sup>	2.000	27.000	.884
	Roy's Largest Root	.009	.124 <sup>b</sup>	2.000	27.000	.884

### Multivariate Tests<sup>a</sup>

Effect		Partial Eta Squared	Noncent. Parameter	Observed Power <sup>c</sup>
Rely	Pillai's Trace	.100	2.989	.385
	Wilks' Lambda	.100	2.989	.385
	Hotelling's Trace	.100	2.989	.385
	Roy's Largest Root	.100	2.989	.385
Rely * Group	Pillai's Trace	.009	.248	.067
	Wilks' Lambda	.009	.248	.067
	Hotelling's Trace	.009	.248	.067
	Roy's Largest Root	.009	.248	.067

a. Design: Intercept + Group  
Within Subjects Design: Rely

b. Exact statistic

c. Computed using alpha = .05

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon <sup>b</sup> Greenhouse-Geisser
Rely	1.000	.000	0	.	1.000

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Epsilon <sup>b</sup>	
	Huynh-Feldt	Lower-bound
Rely	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.

- Design: Intercept + Group  
Within Subjects Design: Rely
- 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
Rely	Sphericity Assumed	10.837	1	10.837	2.989
	Greenhouse-Geisser	10.837	1.000	10.837	2.989
	Huynh-Feldt	10.837	1.000	10.837	2.989
	Lower-bound	10.837	1.000	10.837	2.989
Rely * Group	Sphericity Assumed	.900	2	.450	.124
	Greenhouse-Geisser	.900	2.000	.450	.124
	Huynh-Feldt	.900	2.000	.450	.124
	Lower-bound	.900	2.000	.450	.124
Error(Rely)	Sphericity Assumed	97.888	27	3.625	
	Greenhouse-Geisser	97.888	27.000	3.625	
	Huynh-Feldt	97.888	27.000	3.625	
	Lower-bound	97.888	27.000	3.625	

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Rely	Sphericity Assumed	.095	.100	2.989	.385
	Greenhouse-Geisser	.095	.100	2.989	.385
	Huynh-Feldt	.095	.100	2.989	.385
	Lower-bound	.095	.100	2.989	.385
Rely * Group	Sphericity Assumed	.884	.009	.248	.067
	Greenhouse-Geisser	.884	.009	.248	.067
	Huynh-Feldt	.884	.009	.248	.067
	Lower-bound	.884	.009	.248	.067
Error(Rely)	Sphericity Assumed				
	Greenhouse-Geisser				
	Huynh-Feldt				
	Lower-bound				

- Computed using alpha = .05

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	Rely	Type III Sum of Squares	df	Mean Square	F	Sig.
Rely	Linear	10.837	1	10.837	2.989	.095
Rely * Group	Linear	.900	2	.450	.124	.884
Error(Rely)	Linear	97.888	27	3.625		

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	Rely	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Rely	Linear	.100	2.989	.385
Rely * Group	Linear	.009	.248	.067
Error(Rely)	Linear			

a. Computed using alpha = .05

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Levene Statistic	df1	df2
Pretest - Self-reliance-Dependence	Based on Mean	.007	2	27
	Based on Median	.010	2	27
	Based on Median and with adjusted df	.010	2	22.747
	Based on trimmed mean	.007	2	27
Posttest - Self-reliance-Dependence	Based on Mean	1.634	2	27
	Based on Median	.708	2	27
	Based on Median and with adjusted df	.708	2	16.769
	Based on trimmed mean	1.478	2	27

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Sig.
Pretest - Self-reliance-Dependence	Based on Mean	.993
	Based on Median	.990
	Based on Median and with adjusted df	.990
	Based on trimmed mean	.993
Posttest - Self-reliance-Dependence	Based on Mean	.214
	Based on Median	.501
	Based on Median and with adjusted df	.507
	Based on trimmed mean	.246

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

a. Design: Intercept + Group  
Within Subjects Design: Rely

### 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	940.104	1	940.104	29.954	<.001	.526
Group	15.633	2	7.817	.249	.781	.018
Error	847.387	27	31.385			

### Tests of Between-Subjects Effects

Measure: MEASURE\_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power <sup>a</sup>
Intercept	29.954	1.000
Group	.498	.085
Error		

a. Computed using alpha = .05

## Estimated Marginal Means

### 1. Group

## Estimates

Measure: MEASURE\_1

Group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Control	4.575	1.253	2.005	7.145
Western	3.975	1.253	1.405	6.545
Chinese	3.325	1.253	.755	5.895

## Pairwise Comparisons

Measure: MEASURE\_1

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
Control	Western	.600	1.772	.737	-3.035	4.235
	Chinese	1.250	1.772	.486	-2.385	4.885
Western	Control	-.600	1.772	.737	-4.235	3.035
	Chinese	.650	1.772	.717	-2.985	4.285
Chinese	Control	-1.250	1.772	.486	-4.885	2.385
	Western	-.650	1.772	.717	-4.285	2.985

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

## Univariate Tests

Measure: MEASURE\_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	7.817	2	3.908	.249	.781	.018
Error	423.694	27	15.692			

## Univariate Tests

Measure: MEASURE\_1

	Noncent. Parameter	Observed Power <sup>a</sup>
Contrast	.498	.085
Error		

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

a. Computed using alpha = .05

## 2. Rely

## Estimates

Measure: MEASURE\_1

Rely	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	3.533	.766	1.961	5.105
2	4.383	.762	2.821	5.946

## Pairwise Comparisons

Measure: MEASURE\_1

(I) Rely	(J) Rely	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
1	2	-.850	.492	.095	-1.859	.159
2	1	.850	.492	.095	-.159	1.859

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

## Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.100	2.989 <sup>a</sup>	1.000	27.000	.095	.100
Wilks' lambda	.900	2.989 <sup>a</sup>	1.000	27.000	.095	.100
Hotelling's trace	.111	2.989 <sup>a</sup>	1.000	27.000	.095	.100
Roy's largest root	.111	2.989 <sup>a</sup>	1.000	27.000	.095	.100

## Multivariate Tests

	Noncent. Parameter	Observed Power <sup>b</sup>
Pillai's trace	2.989	.385
Wilks' lambda	2.989	.385
Hotelling's trace	2.989	.385
Roy's largest root	2.989	.385

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

a. Exact statistic

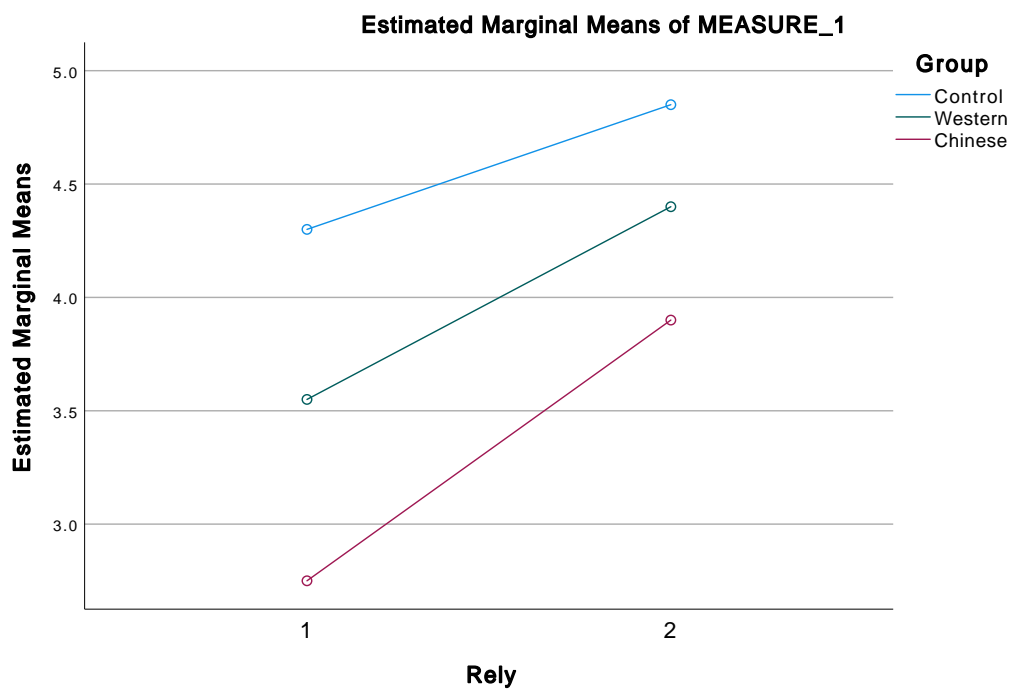
b. Computed using alpha = .05

### 3. Group \* Rely

Measure: MEASURE\_1

Group	Rely	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Control	1	4.300	1.327	1.577	7.023
	2	4.850	1.319	2.143	7.557
Western	1	3.550	1.327	.827	6.273
	2	4.400	1.319	1.693	7.107
Chinese	1	2.750	1.327	.027	5.473
	2	3.900	1.319	1.193	6.607

### Profile Plots



### General Linear Model

#### Within-Subjects Factors

Measure: MEASURE\_1

Interest	Dependent Variable
1	PreInt
2	PostInt



## Between-Subjects Factors

		Value Label	N
Group	0	Control	10
	1	Western	10
	2	Chinese	10

## Descriptive Statistics

	Group	Mean	Std. Deviation	N
Pretest - Self-interest-Commit-others	Control	.750	3.7509	10
	Western	-1.000	3.8944	10
	Chinese	-.550	2.7024	10
	Total	-.267	3.4510	30
Posttest - Self-interest-Commit-others	Control	.300	4.5959	10
	Western	-.800	3.2846	10
	Chinese	.200	2.9458	10
	Total	-.100	3.5849	30

## Box's Test of Equality of Covariance Matrices<sup>a</sup>

Box's M	4.607
F	.685
df1	6
df2	18168.923
Sig.	.661

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

a. Design: Intercept + Group  
Within Subjects Design: Interest

### Multivariate Tests<sup>a</sup>

Effect		Value	F	Hypothesis df	Error df
Interest	Pillai's Trace	.007	.192 <sup>b</sup>	1.000	27.000
	Wilks' Lambda	.993	.192 <sup>b</sup>	1.000	27.000
	Hotelling's Trace	.007	.192 <sup>b</sup>	1.000	27.000
	Roy's Largest Root	.007	.192 <sup>b</sup>	1.000	27.000
Interest * Group	Pillai's Trace	.058	.830 <sup>b</sup>	2.000	27.000
	Wilks' Lambda	.942	.830 <sup>b</sup>	2.000	27.000
	Hotelling's Trace	.061	.830 <sup>b</sup>	2.000	27.000
	Roy's Largest Root	.061	.830 <sup>b</sup>	2.000	27.000

### Multivariate Tests<sup>a</sup>

Effect		Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>c</sup>
Interest	Pillai's Trace	.665	.007	.192	.071
	Wilks' Lambda	.665	.007	.192	.071
	Hotelling's Trace	.665	.007	.192	.071
	Roy's Largest Root	.665	.007	.192	.071
Interest * Group	Pillai's Trace	.447	.058	1.659	.177
	Wilks' Lambda	.447	.058	1.659	.177
	Hotelling's Trace	.447	.058	1.659	.177
	Roy's Largest Root	.447	.058	1.659	.177

a. Design: Intercept + Group  
Within Subjects Design: Interest

b. Exact statistic

c. Computed using alpha = .05

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon <sup>b</sup> Greenhouse-Geisser
Interest	1.000	.000	0	.	1.000

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Epsilon <sup>b</sup>	
	Huynh-Feldt	Lower-bound
Interest	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.

- Design: Intercept + Group  
Within Subjects Design: Interest
- 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
Interest	Sphericity Assumed	.417	1	.417	.192
	Greenhouse-Geisser	.417	1.000	.417	.192
	Huynh-Feldt	.417	1.000	.417	.192
	Lower-bound	.417	1.000	.417	.192
Interest * Group	Sphericity Assumed	3.608	2	1.804	.830
	Greenhouse-Geisser	3.608	2.000	1.804	.830
	Huynh-Feldt	3.608	2.000	1.804	.830
	Lower-bound	3.608	2.000	1.804	.830
Error(Interest)	Sphericity Assumed	58.725	27	2.175	
	Greenhouse-Geisser	58.725	27.000	2.175	
	Huynh-Feldt	58.725	27.000	2.175	
	Lower-bound	58.725	27.000	2.175	

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Sig.	Partial Eta Squared	Noncent. Parameter
Interest	Sphericity Assumed	.665	.007	.192
	Greenhouse-Geisser	.665	.007	.192
	Huynh-Feldt	.665	.007	.192
	Lower-bound	.665	.007	.192
Interest * Group	Sphericity Assumed	.447	.058	1.659
	Greenhouse-Geisser	.447	.058	1.659
	Huynh-Feldt	.447	.058	1.659
	Lower-bound	.447	.058	1.659
Error(Interest)	Sphericity Assumed			
	Greenhouse-Geisser			
	Huynh-Feldt			
	Lower-bound			

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Observed Power <sup>a</sup>
Interest	Sphericity Assumed	.071
	Greenhouse-Geisser	.071
	Huynh-Feldt	.071
	Lower-bound	.071
Interest * Group	Sphericity Assumed	.177
	Greenhouse-Geisser	.177
	Huynh-Feldt	.177
	Lower-bound	.177
Error(Interest)	Sphericity Assumed	
	Greenhouse-Geisser	
	Huynh-Feldt	
	Lower-bound	

a. Computed using alpha = .05

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	Interest	Type III Sum of Squares	df	Mean Square	F	Sig.
Interest	Linear	.417	1	.417	.192	.665
Interest * Group	Linear	3.608	2	1.804	.830	.447
Error(Interest)	Linear	58.725	27	2.175		

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	Interest	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Interest	Linear	.007	.192	.071
Interest * Group	Linear	.058	1.659	.177
Error(Interest)	Linear			

a. Computed using alpha = .05

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Levene Statistic	df1	df2
Pretest - Self-interest-Commit-others	Based on Mean	.884	2	27
	Based on Median	.878	2	27
	Based on Median and with adjusted df	.878	2	19.950
	Based on trimmed mean	.913	2	27
Posttest - Self-interest-Commit-others	Based on Mean	.957	2	27
	Based on Median	.617	2	27
	Based on Median and with adjusted df	.617	2	20.542
	Based on trimmed mean	.875	2	27

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Sig.
Pretest - Self-interest-Commit-others	Based on Mean	.425
	Based on Median	.427
	Based on Median and with adjusted df	.431
	Based on trimmed mean	.413
Posttest - Self-interest-Commit-others	Based on Mean	.397
	Based on Median	.547
	Based on Median and with adjusted df	.549
	Based on trimmed mean	.428

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

- a. Design: Intercept + Group  
Within Subjects Design: Interest

### 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	2.017	1	2.017	.086	.772	.003
Group	20.308	2	10.154	.431	.654	.031
Error	635.425	27	23.534			

## Tests of Between-Subjects Effects

Measure: MEASURE\_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power <sup>a</sup>
Intercept	.086	.059
Group	.863	.113
Error		

a. Computed using alpha = .05

## Estimated Marginal Means

### 1. Group

#### Estimates

Measure: MEASURE\_1

Group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Control	.525	1.085	-1.701	2.751
Western	-.900	1.085	-3.126	1.326
Chinese	-.175	1.085	-2.401	2.051

#### Pairwise Comparisons

Measure: MEASURE\_1

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
Control	Western	1.425	1.534	.361	-1.723	4.573
	Chinese	.700	1.534	.652	-2.448	3.848
Western	Control	-1.425	1.534	.361	-4.573	1.723
	Chinese	-.725	1.534	.640	-3.873	2.423
Chinese	Control	-.700	1.534	.652	-3.848	2.448
	Western	.725	1.534	.640	-2.423	3.873

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

### Univariate Tests

Measure: MEASURE\_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	10.154	2	5.077	.431	.654	.031
Error	317.712	27	11.767			

### Univariate Tests

Measure: MEASURE\_1

	Noncent. Parameter	Observed Power <sup>a</sup>
Contrast	.863	.113
Error		

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

a. Computed using alpha = .05

## 2. Interest

### Estimates

Measure: MEASURE\_1

Interest	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	-.267	.637	-1.574	1.041
2	-.100	.672	-1.478	1.278

### Pairwise Comparisons

Measure: MEASURE\_1

(I) Interest	(J) Interest	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
1	2	-.167	.381	.665	-.948	.615
2	1	.167	.381	.665	-.615	.948

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

### Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.007	.192 <sup>a</sup>	1.000	27.000	.665	.007
Wilks' lambda	.993	.192 <sup>a</sup>	1.000	27.000	.665	.007
Hotelling's trace	.007	.192 <sup>a</sup>	1.000	27.000	.665	.007
Roy's largest root	.007	.192 <sup>a</sup>	1.000	27.000	.665	.007

### Multivariate Tests

	Noncent. Parameter	Observed Power <sup>b</sup>
Pillai's trace	.192	.071
Wilks' lambda	.192	.071
Hotelling's trace	.192	.071
Roy's largest root	.192	.071

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

- a. Exact statistic
- b. Computed using alpha = .05

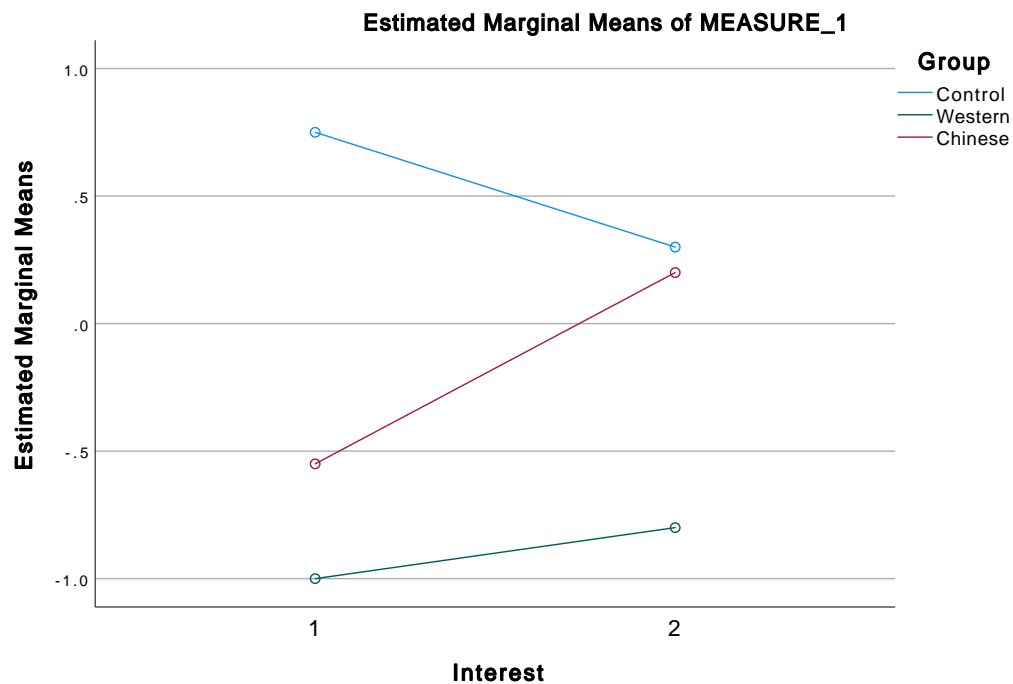
### 3. Group \* Interest

Measure: MEASURE\_1

Group	Interest	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Control	1	.750	1.104	-1.514	3.014
	2	.300	1.163	-2.087	2.687
Western	1	-1.000	1.104	-3.264	1.264
	2	-.800	1.163	-3.187	1.587
Chinese	1	-.550	1.104	-2.814	1.714
	2	.200	1.163	-2.187	2.587

### Profile Plots





## General Linear Model

### Within-Subjects Factors

Measure: MEASURE\_1

Time	Dependent Variable
1	iPreIND
2	iPostIND

### Between-Subjects Factors

		Value Label	N
Group	0	Control	10
	1	Western	10
	2	Chinese	10

### Descriptive Statistics

	Group	Mean	Std. Deviation	N
iPreIND	Control	70.9600	13.03957	10
	Western	72.3967	9.59001	10
	Chinese	71.6100	12.04094	10
	Total	71.6556	11.25442	30
iPostIND	Control	67.6233	10.45828	10
	Western	71.0500	8.20127	10
	Chinese	68.5267	9.30584	10
	Total	69.0667	9.15800	30

### Box's Test of Equality of Covariance Matrices<sup>a</sup>

Box's M	1.438
F	.214
df1	6
df2	18168.923
Sig.	.973

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

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

### Multivariate Tests<sup>a</sup>

Effect		Value	F	Hypothesis df	Error df	Sig.
Time	Pillai's Trace	.168	5.462 <sup>b</sup>	1.000	27.000	.027
	Wilks' Lambda	.832	5.462 <sup>b</sup>	1.000	27.000	.027
	Hotelling's Trace	.202	5.462 <sup>b</sup>	1.000	27.000	.027
	Roy's Largest Root	.202	5.462 <sup>b</sup>	1.000	27.000	.027
Time * Group	Pillai's Trace	.023	.319 <sup>b</sup>	2.000	27.000	.730
	Wilks' Lambda	.977	.319 <sup>b</sup>	2.000	27.000	.730
	Hotelling's Trace	.024	.319 <sup>b</sup>	2.000	27.000	.730
	Roy's Largest Root	.024	.319 <sup>b</sup>	2.000	27.000	.730

### Multivariate Tests<sup>a</sup>

Effect		Partial Eta Squared	Noncent. Parameter	Observed Power <sup>c</sup>
Time	Pillai's Trace	.168	5.462	.615
	Wilks' Lambda	.168	5.462	.615
	Hotelling's Trace	.168	5.462	.615
	Roy's Largest Root	.168	5.462	.615
Time * Group	Pillai's Trace	.023	.638	.096
	Wilks' Lambda	.023	.638	.096
	Hotelling's Trace	.023	.638	.096
	Roy's Largest Root	.023	.638	.096

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

b. Exact statistic

c. Computed using alpha = .05

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon <sup>b</sup> Greenhouse-Geisser
Time	1.000	.000	0	.	1.000

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

		Epsilon <sup>b</sup>
Within Subjects Effect	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.

- Design: Intercept + Group  
Within Subjects Design: Time
- 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	100.535	1	100.535	5.462
	Greenhouse-Geisser	100.535	1.000	100.535	5.462
	Huynh-Feldt	100.535	1.000	100.535	5.462
	Lower-bound	100.535	1.000	100.535	5.462
Time * Group	Sphericity Assumed	11.734	2	5.867	.319
	Greenhouse-Geisser	11.734	2.000	5.867	.319
	Huynh-Feldt	11.734	2.000	5.867	.319
	Lower-bound	11.734	2.000	5.867	.319
Error(Time)	Sphericity Assumed	496.929	27	18.405	
	Greenhouse-Geisser	496.929	27.000	18.405	
	Huynh-Feldt	496.929	27.000	18.405	
	Lower-bound	496.929	27.000	18.405	

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Time	Sphericity Assumed	.027	.168	5.462	.615
	Greenhouse-Geisser	.027	.168	5.462	.615
	Huynh-Feldt	.027	.168	5.462	.615
	Lower-bound	.027	.168	5.462	.615
Time * Group	Sphericity Assumed	.730	.023	.638	.096
	Greenhouse-Geisser	.730	.023	.638	.096
	Huynh-Feldt	.730	.023	.638	.096
	Lower-bound	.730	.023	.638	.096
Error(Time)	Sphericity Assumed				
	Greenhouse-Geisser				
	Huynh-Feldt				
	Lower-bound				

- 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	100.535	1	100.535	5.462	.027
Time * Group	Linear	11.734	2	5.867	.319	.730
Error(Time)	Linear	496.929	27	18.405		

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	Time	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Time	Linear	.168	5.462	.615
Time * Group	Linear	.023	.638	.096
Error(Time)	Linear			

a. Computed using alpha = .05

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Levene Statistic	df1	df2	Sig.
iPreIND	Based on Mean	.783	2	27	.467
	Based on Median	.773	2	27	.471
	Based on Median and with adjusted df	.773	2	24.262	.472
	Based on trimmed mean	.785	2	27	.466
iPostIND	Based on Mean	.276	2	27	.761
	Based on Median	.171	2	27	.844
	Based on Median and with adjusted df	.171	2	25.047	.844
	Based on trimmed mean	.263	2	27	.770

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

a. Design: Intercept + Group  
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	297041.157	1	297041.157	1448.973	<.001	.982
Group	61.702	2	30.851	.150	.861	.011
Error	5535.032	27	205.001			

### Tests of Between-Subjects Effects

Measure: MEASURE\_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power <sup>a</sup>
Intercept	1448.973	1.000
Group	.301	.071
Error		

a. Computed using alpha = .05

## Estimated Marginal Means

### 1. Group

#### Estimates

Measure: MEASURE\_1

Group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Control	69.292	3.202	62.723	75.861
Western	71.723	3.202	65.154	78.292
Chinese	70.068	3.202	63.499	76.637

## Pairwise Comparisons

Measure: MEASURE\_1

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
Control	Western	-2.432	4.528	.596	-11.722	6.858
	Chinese	-.777	4.528	.865	-10.067	8.513
Western	Control	2.432	4.528	.596	-6.858	11.722
	Chinese	1.655	4.528	.718	-7.635	10.945
Chinese	Control	.777	4.528	.865	-8.513	10.067
	Western	-1.655	4.528	.718	-10.945	7.635

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

## Univariate Tests

Measure: MEASURE\_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	30.851	2	15.425	.150	.861	.011
Error	2767.516	27	102.501			

## Univariate Tests

Measure: MEASURE\_1

	Noncent. Parameter	Observed Power <sup>a</sup>
Contrast	.301	.071
Error		

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

a. Computed using alpha = .05

## 2. Time

### Estimates

Measure: MEASURE\_1

Time	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	71.656	2.127	67.292	76.019
2	69.067	1.710	65.558	72.576

### Pairwise Comparisons

Measure: MEASURE\_1

(I) Time	(J) Time	Mean Difference (I-J)	Std. Error	Sig. <sup>b</sup>	95% Confidence Interval for Difference <sup>b</sup>	
					Lower Bound	Upper Bound
1	2	2.589 <sup>*</sup>	1.108	.027	.316	4.862
2	1	-2.589 <sup>*</sup>	1.108	.027	-4.862	-.316

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

### Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.168	5.462 <sup>a</sup>	1.000	27.000	.027	.168
Wilks' lambda	.832	5.462 <sup>a</sup>	1.000	27.000	.027	.168
Hotelling's trace	.202	5.462 <sup>a</sup>	1.000	27.000	.027	.168
Roy's largest root	.202	5.462 <sup>a</sup>	1.000	27.000	.027	.168

### Multivariate Tests

	Noncent. Parameter	Observed Power <sup>b</sup>
Pillai's trace	5.462	.615
Wilks' lambda	5.462	.615
Hotelling's trace	5.462	.615
Roy's largest root	5.462	.615

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

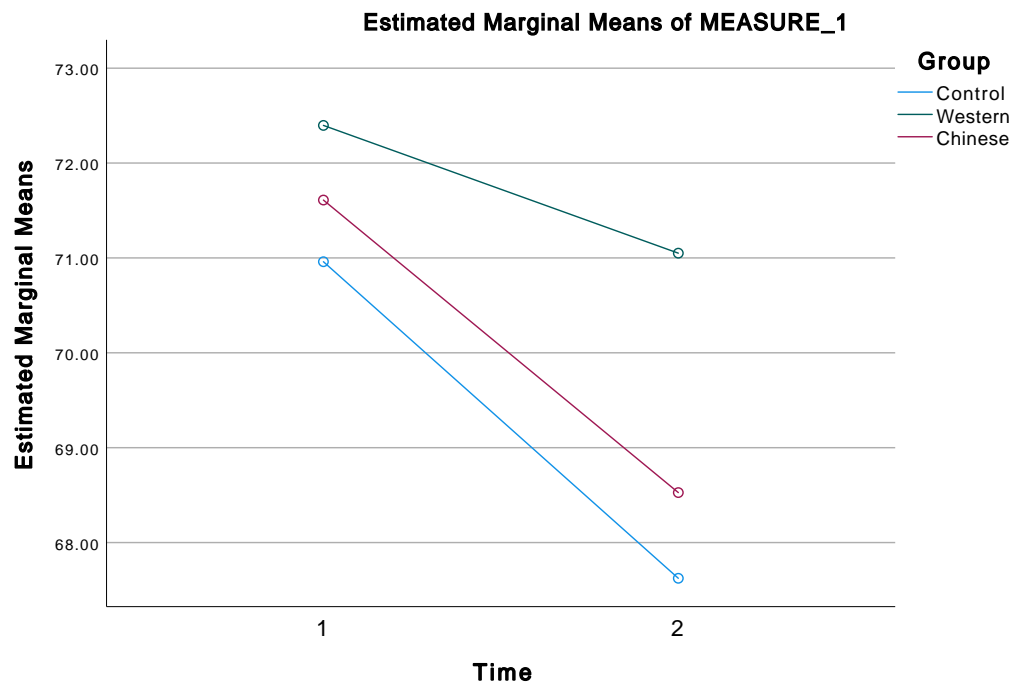
### 3. Group \* Time

Measure: MEASURE\_1

Group	Time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Control	1	70.960	3.683	63.403	78.517
	2	67.623	2.962	61.545	73.701
Western	1	72.397	3.683	64.839	79.954
	2	71.050	2.962	64.972	77.128
Chinese	1	71.610	3.683	64.053	79.167
	2	68.527	2.962	62.449	74.605



## Profile Plots



## General Linear Model

### Within-Subjects Factors

Measure: MEASURE\_1

Time	Dependent Variable
1	iPreINTER
2	iPostINTER

### Between-Subjects Factors

Group	Value Label		N
	0	1	
		Control	10
	1	Western	10
	2	Chinese	10

## Descriptive Statistics

	Group	Mean	Std. Deviation	N
iPreINTER	Control	72.9600	9.59402	10
	Western	67.6967	11.74656	10
	Chinese	68.1100	13.28766	10
	Total	69.5889	11.49305	30
iPostINTER	Control	68.9233	10.26360	10
	Western	64.7500	13.54860	10
	Chinese	62.3267	11.03141	10
	Total	65.3333	11.62350	30

## Box's Test of Equality of Covariance Matrices<sup>a</sup>

Box's M	3.133
F	.466
df1	6
df2	18168.923
Sig.	.834

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

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

### Multivariate Tests<sup>a</sup>

Effect		Value	F	Hypothesis df	Error df	Sig.
Time	Pillai's Trace	.303	11.734 <sup>b</sup>	1.000	27.000	.002
	Wilks' Lambda	.697	11.734 <sup>b</sup>	1.000	27.000	.002
	Hotelling's Trace	.435	11.734 <sup>b</sup>	1.000	27.000	.002
	Roy's Largest Root	.435	11.734 <sup>b</sup>	1.000	27.000	.002
Time * Group	Pillai's Trace	.032	.442 <sup>b</sup>	2.000	27.000	.647
	Wilks' Lambda	.968	.442 <sup>b</sup>	2.000	27.000	.647
	Hotelling's Trace	.033	.442 <sup>b</sup>	2.000	27.000	.647
	Roy's Largest Root	.033	.442 <sup>b</sup>	2.000	27.000	.647

### Multivariate Tests<sup>a</sup>

Effect		Partial Eta Squared	Noncent. Parameter	Observed Power <sup>c</sup>
Time	Pillai's Trace	.303	11.734	.910
	Wilks' Lambda	.303	11.734	.910
	Hotelling's Trace	.303	11.734	.910
	Roy's Largest Root	.303	11.734	.910
Time * Group	Pillai's Trace	.032	.884	.114
	Wilks' Lambda	.032	.884	.114
	Hotelling's Trace	.032	.884	.114
	Roy's Largest Root	.032	.884	.114

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

b. Exact statistic

c. Computed using alpha = .05

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon <sup>b</sup> Greenhouse-Geisser
Time	1.000	.000	0	.	1.000

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Epsilon <sup>b</sup>	
	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.

- Design: Intercept + Group  
Within Subjects Design: Time
- 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	271.646	1	271.646	11.734
	Greenhouse-Geisser	271.646	1.000	271.646	11.734
	Huynh-Feldt	271.646	1.000	271.646	11.734
	Lower-bound	271.646	1.000	271.646	11.734
Time * Group	Sphericity Assumed	20.476	2	10.238	.442
	Greenhouse-Geisser	20.476	2.000	10.238	.442
	Huynh-Feldt	20.476	2.000	10.238	.442
	Lower-bound	20.476	2.000	10.238	.442
Error(Time)	Sphericity Assumed	625.075	27	23.151	
	Greenhouse-Geisser	625.075	27.000	23.151	
	Huynh-Feldt	625.075	27.000	23.151	
	Lower-bound	625.075	27.000	23.151	

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Time	Sphericity Assumed	.002	.303	11.734	.910
	Greenhouse-Geisser	.002	.303	11.734	.910
	Huynh-Feldt	.002	.303	11.734	.910
	Lower-bound	.002	.303	11.734	.910
Time * Group	Sphericity Assumed	.647	.032	.884	.114
	Greenhouse-Geisser	.647	.032	.884	.114
	Huynh-Feldt	.647	.032	.884	.114
	Lower-bound	.647	.032	.884	.114
Error(Time)	Sphericity Assumed				
	Greenhouse-Geisser				
	Huynh-Feldt				
	Lower-bound				

- 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	271.646	1	271.646	11.734	.002
Time * Group	Linear	20.476	2	10.238	.442	.647
Error(Time)	Linear	625.075	27	23.151		

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	Time	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Time	Linear	.303	11.734	.910
Time * Group	Linear	.032	.884	.114
Error(Time)	Linear			

a. Computed using alpha = .05

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Levene Statistic	df1	df2	Sig.
iPreINTER	Based on Mean	.552	2	27	.582
	Based on Median	.465	2	27	.633
	Based on Median and with adjusted df	.465	2	25.336	.634
	Based on trimmed mean	.559	2	27	.578
iPostINTER	Based on Mean	.679	2	27	.515
	Based on Median	.623	2	27	.544
	Based on Median and with adjusted df	.623	2	25.910	.544
	Based on trimmed mean	.684	2	27	.513

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

a. Design: Intercept + Group  
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	273060.091	1	273060.091	1095.550	<.001	.976
Group	373.528	2	186.764	.749	.482	.053
Error	6729.605	27	249.245			

### Tests of Between-Subjects Effects

Measure: MEASURE\_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power <sup>a</sup>
Intercept	1095.550	1.000
Group	1.499	.164
Error		

a. Computed using alpha = .05

## Estimated Marginal Means

### 1. Group

#### Estimates

Measure: MEASURE\_1

Group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Control	70.942	3.530	63.698	78.185
Western	66.223	3.530	58.980	73.467
Chinese	65.218	3.530	57.975	72.462

## Pairwise Comparisons

Measure: MEASURE\_1

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
Control	Western	4.718	4.992	.353	-5.525	14.962
	Chinese	5.723	4.992	.262	-4.520	15.967
Western	Control	-4.718	4.992	.353	-14.962	5.525
	Chinese	1.005	4.992	.842	-9.239	11.249
Chinese	Control	-5.723	4.992	.262	-15.967	4.520
	Western	-1.005	4.992	.842	-11.249	9.239

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

## Univariate Tests

Measure: MEASURE\_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	186.764	2	93.382	.749	.482	.053
Error	3364.803	27	124.622			

## Univariate Tests

Measure: MEASURE\_1

	Noncent. Parameter	Observed Power <sup>a</sup>
Contrast	1.499	.164
Error		

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

a. Computed using alpha = .05

## 2. Time

### Estimates

Measure: MEASURE\_1

Time	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	69.589	2.125	65.228	73.950
2	65.333	2.136	60.951	69.716

### Pairwise Comparisons

Measure: MEASURE\_1

(I) Time	(J) Time	Mean Difference (I-J)	Std. Error	Sig. <sup>b</sup>	95% Confidence Interval for Difference <sup>b</sup>	
					Lower Bound	Upper Bound
1	2	4.256 <sup>*</sup>	1.242	.002	1.706	6.805
2	1	-4.256 <sup>*</sup>	1.242	.002	-6.805	-1.706

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

### Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.303	11.734 <sup>a</sup>	1.000	27.000	.002	.303
Wilks' lambda	.697	11.734 <sup>a</sup>	1.000	27.000	.002	.303
Hotelling's trace	.435	11.734 <sup>a</sup>	1.000	27.000	.002	.303
Roy's largest root	.435	11.734 <sup>a</sup>	1.000	27.000	.002	.303

### Multivariate Tests

	Noncent. Parameter	Observed Power <sup>b</sup>
Pillai's trace	11.734	.910
Wilks' lambda	11.734	.910
Hotelling's trace	11.734	.910
Roy's largest root	11.734	.910

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

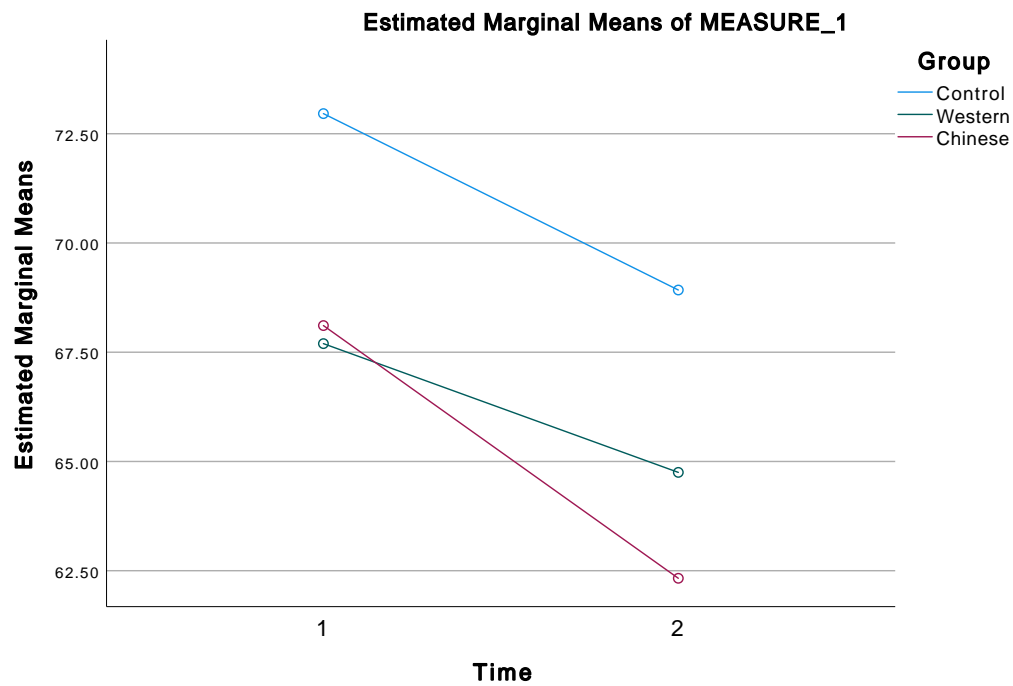
### 3. Group \* Time

Measure: MEASURE\_1

Group	Time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Control	1	72.960	3.681	65.406	80.514
	2	68.923	3.700	61.333	76.514
Western	1	67.697	3.681	60.143	75.250
	2	64.750	3.700	57.159	72.341
Chinese	1	68.110	3.681	60.556	75.664
	2	62.327	3.700	54.736	69.917



## Profile Plots



## General Linear Model

### Within-Subjects Factors

Measure: MEASURE\_1

Time	Dependent Variable
1	iPreDiff
2	iPostDiff

### Between-Subjects Factors

Group	Value Label	N
0	Control	10
1	Western	10
2	Chinese	10

## Descriptive Statistics

	Group	Mean	Std. Deviation	N
iPreDiff	Control	.4229	5.08261	10
	Western	-2.9719	3.40461	10
	Chinese	-1.4594	3.03144	10
	Total	-1.3361	4.05724	30
iPostDiff	Control	-.3500	5.28019	10
	Western	-3.3646	5.10443	10
	Chinese	-1.8375	2.76835	10
	Total	-1.8507	4.54797	30

## Box's Test of Equality of Covariance Matrices<sup>a</sup>

Box's M	6.706
F	.998
df1	6
df2	18168.923
Sig.	.425

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

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

### Multivariate Tests<sup>a</sup>

Effect		Value	F	Hypothesis df	Error df	Sig.
Time	Pillai's Trace	.027	.745 <sup>b</sup>	1.000	27.000	.396
	Wilks' Lambda	.973	.745 <sup>b</sup>	1.000	27.000	.396
	Hotelling's Trace	.028	.745 <sup>b</sup>	1.000	27.000	.396
	Roy's Largest Root	.028	.745 <sup>b</sup>	1.000	27.000	.396
Time * Group	Pillai's Trace	.003	.047 <sup>b</sup>	2.000	27.000	.954
	Wilks' Lambda	.997	.047 <sup>b</sup>	2.000	27.000	.954
	Hotelling's Trace	.003	.047 <sup>b</sup>	2.000	27.000	.954
	Roy's Largest Root	.003	.047 <sup>b</sup>	2.000	27.000	.954

### Multivariate Tests<sup>a</sup>

Effect		Partial Eta Squared	Noncent. Parameter	Observed Power <sup>c</sup>
Time	Pillai's Trace	.027	.745	.132
	Wilks' Lambda	.027	.745	.132
	Hotelling's Trace	.027	.745	.132
	Roy's Largest Root	.027	.745	.132
Time * Group	Pillai's Trace	.003	.094	.056
	Wilks' Lambda	.003	.094	.056
	Hotelling's Trace	.003	.094	.056
	Roy's Largest Root	.003	.094	.056

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

b. Exact statistic

c. Computed using alpha = .05

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon <sup>b</sup> Greenhouse-Geisser
Time	1.000	.000	0	.	1.000

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Epsilon <sup>b</sup>	
	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.

- Design: Intercept + Group  
Within Subjects Design: Time
- 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	3.972	1	3.972	.745
	Greenhouse-Geisser	3.972	1.000	3.972	.745
	Huynh-Feldt	3.972	1.000	3.972	.745
	Lower-bound	3.972	1.000	3.972	.745
Time * Group	Sphericity Assumed	.501	2	.251	.047
	Greenhouse-Geisser	.501	2.000	.251	.047
	Huynh-Feldt	.501	2.000	.251	.047
	Lower-bound	.501	2.000	.251	.047
Error(Time)	Sphericity Assumed	144.022	27	5.334	
	Greenhouse-Geisser	144.022	27.000	5.334	
	Huynh-Feldt	144.022	27.000	5.334	
	Lower-bound	144.022	27.000	5.334	

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Time	Sphericity Assumed	.396	.027	.745	.132
	Greenhouse-Geisser	.396	.027	.745	.132
	Huynh-Feldt	.396	.027	.745	.132
	Lower-bound	.396	.027	.745	.132
Time * Group	Sphericity Assumed	.954	.003	.094	.056
	Greenhouse-Geisser	.954	.003	.094	.056
	Huynh-Feldt	.954	.003	.094	.056
	Lower-bound	.954	.003	.094	.056
Error(Time)	Sphericity Assumed				
	Greenhouse-Geisser				
	Huynh-Feldt				
	Lower-bound				

- 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	3.972	1	3.972	.745	.396
Time * Group	Linear	.501	2	.251	.047	.954
Error(Time)	Linear	144.022	27	5.334		

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	Time	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Time	Linear	.027	.745	.132
Time * Group	Linear	.003	.094	.056
Error(Time)	Linear			

a. Computed using alpha = .05

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Levene Statistic	df1	df2	Sig.
iPreDiff	Based on Mean	1.782	2	27	.188
	Based on Median	.911	2	27	.414
	Based on Median and with adjusted df	.911	2	22.059	.417
	Based on trimmed mean	1.730	2	27	.196
iPostDiff	Based on Mean	2.437	2	27	.106
	Based on Median	1.818	2	27	.182
	Based on Median and with adjusted df	1.818	2	23.918	.184
	Based on trimmed mean	2.423	2	27	.108

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

a. Design: Intercept + Group  
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	152.336	1	152.336	4.956	.035	.155
Group	102.791	2	51.396	1.672	.207	.110
Error	829.898	27	30.737			

### Tests of Between-Subjects Effects

Measure: MEASURE\_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power <sup>a</sup>
Intercept	4.956	.574
Group	3.344	.321
Error		

a. Computed using alpha = .05

## Estimated Marginal Means

### 1. Group

#### Estimates

Measure: MEASURE\_1

Group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Control	.036	1.240	-2.507	2.580
Western	-3.168	1.240	-5.712	-.625
Chinese	-1.648	1.240	-4.192	.895

## Pairwise Comparisons

Measure: MEASURE\_1

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
Control	Western	3.205	1.753	.079	-.393	6.802
	Chinese	1.685	1.753	.345	-1.912	5.282
Western	Control	-3.205	1.753	.079	-6.802	.393
	Chinese	-1.520	1.753	.394	-5.117	2.077
Chinese	Control	-1.685	1.753	.345	-5.282	1.912
	Western	1.520	1.753	.394	-2.077	5.117

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

## Univariate Tests

Measure: MEASURE\_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	51.396	2	25.698	1.672	.207	.110
Error	414.949	27	15.368			

## Univariate Tests

Measure: MEASURE\_1

	Noncent. Parameter	Observed Power <sup>a</sup>
Contrast	3.344	.321
Error		

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

a. Computed using alpha = .05

## 2. Time

### Estimates

Measure: MEASURE\_1

Time	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	-1.336	.720	-2.813	.141
2	-1.851	.827	-3.548	-.153

### Pairwise Comparisons

Measure: MEASURE\_1

(I) Time	(J) Time	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
1	2	.515	.596	.396	-.709	1.738
2	1	-.515	.596	.396	-1.738	.709

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

### Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.027	.745 <sup>a</sup>	1.000	27.000	.396	.027
Wilks' lambda	.973	.745 <sup>a</sup>	1.000	27.000	.396	.027
Hotelling's trace	.028	.745 <sup>a</sup>	1.000	27.000	.396	.027
Roy's largest root	.028	.745 <sup>a</sup>	1.000	27.000	.396	.027

### Multivariate Tests

	Noncent. Parameter	Observed Power <sup>b</sup>
Pillai's trace	.745	.132
Wilks' lambda	.745	.132
Hotelling's trace	.745	.132
Roy's largest root	.745	.132

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

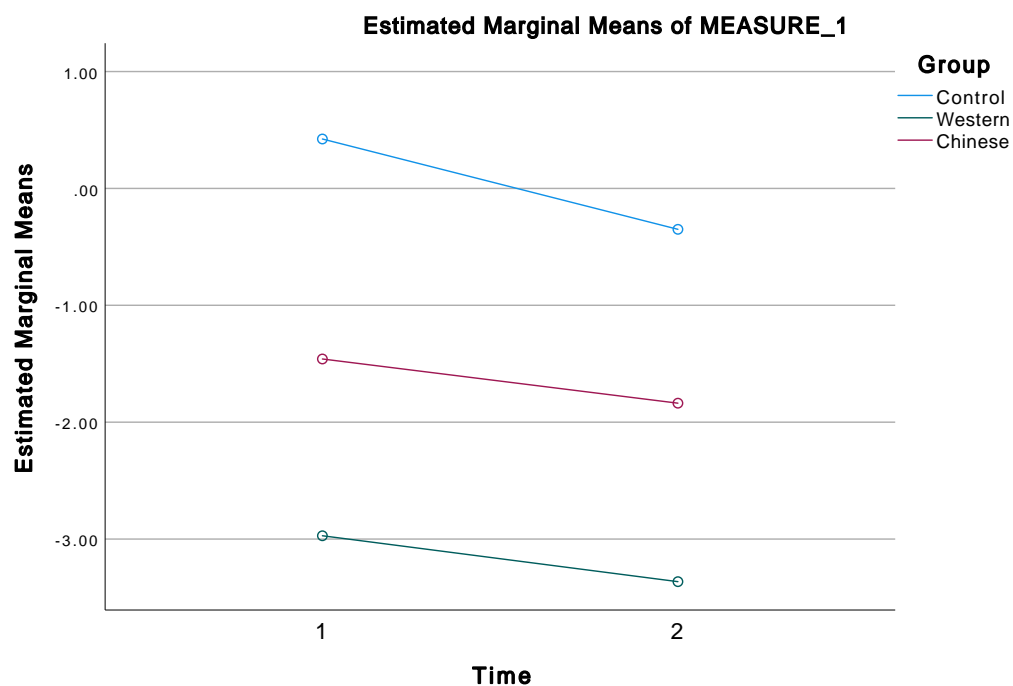
### 3. Group \* Time

Measure: MEASURE\_1

Group	Time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Control	1	.423	1.247	-2.135	2.981
	2	-.350	1.433	-3.290	2.590
Western	1	-2.972	1.247	-5.530	-.414
	2	-3.365	1.433	-6.305	-.424
Chinese	1	-1.459	1.247	-4.017	1.098
	2	-1.837	1.433	-4.778	1.103



## Profile Plots



## General Linear Model

### Within-Subjects Factors

Measure: MEASURE\_1

Time	Dependent Variable
1	iPreContain
2	iPostContain

### Between-Subjects Factors

Group	Value	Label	N
Group	0	Control	10
	1	Western	10
	2	Chinese	10

### Descriptive Statistics

	Group	Mean	Std. Deviation	N
iPreContain	Control	-10.0271	6.63296	10
	Western	-13.0719	4.10125	10
	Chinese	-9.6594	6.21174	10
	Total	-10.9194	5.76789	30
iPostContain	Control	-9.0500	6.65119	10
	Western	-11.4146	3.53575	10
	Chinese	-10.7875	4.06850	10
	Total	-10.4174	4.87656	30

### Box's Test of Equality of Covariance Matrices<sup>a</sup>

Box's M	7.591
F	1.129
df1	6
df2	18168.923
Sig.	.342

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

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

### Multivariate Tests<sup>a</sup>

Effect		Value	F	Hypothesis df	Error df	Sig.
Time	Pillai's Trace	.025	.697 <sup>b</sup>	1.000	27.000	.411
	Wilks' Lambda	.975	.697 <sup>b</sup>	1.000	27.000	.411
	Hotelling's Trace	.026	.697 <sup>b</sup>	1.000	27.000	.411
	Roy's Largest Root	.026	.697 <sup>b</sup>	1.000	27.000	.411
Time * Group	Pillai's Trace	.126	1.943 <sup>b</sup>	2.000	27.000	.163
	Wilks' Lambda	.874	1.943 <sup>b</sup>	2.000	27.000	.163
	Hotelling's Trace	.144	1.943 <sup>b</sup>	2.000	27.000	.163
	Roy's Largest Root	.144	1.943 <sup>b</sup>	2.000	27.000	.163

### Multivariate Tests<sup>a</sup>

Effect		Partial Eta Squared	Noncent. Parameter	Observed Power <sup>c</sup>
Time	Pillai's Trace	.025	.697	.127
	Wilks' Lambda	.025	.697	.127
	Hotelling's Trace	.025	.697	.127
	Roy's Largest Root	.025	.697	.127
Time * Group	Pillai's Trace	.126	3.885	.367
	Wilks' Lambda	.126	3.885	.367
	Hotelling's Trace	.126	3.885	.367
	Roy's Largest Root	.126	3.885	.367

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

b. Exact statistic

c. Computed using alpha = .05

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon <sup>b</sup> Greenhouse-Geisser
Time	1.000	.000	0	.	1.000

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Epsilon <sup>b</sup>	
	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.

- Design: Intercept + Group  
Within Subjects Design: Time
- 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	3.781	1	3.781	.697
	Greenhouse-Geisser	3.781	1.000	3.781	.697
	Huynh-Feldt	3.781	1.000	3.781	.697
	Lower-bound	3.781	1.000	3.781	.697
Time * Group	Sphericity Assumed	21.089	2	10.544	1.943
	Greenhouse-Geisser	21.089	2.000	10.544	1.943
	Huynh-Feldt	21.089	2.000	10.544	1.943
	Lower-bound	21.089	2.000	10.544	1.943
Error(Time)	Sphericity Assumed	146.558	27	5.428	
	Greenhouse-Geisser	146.558	27.000	5.428	
	Huynh-Feldt	146.558	27.000	5.428	
	Lower-bound	146.558	27.000	5.428	

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Time	Sphericity Assumed	.411	.025	.697	.127
	Greenhouse-Geisser	.411	.025	.697	.127
	Huynh-Feldt	.411	.025	.697	.127
	Lower-bound	.411	.025	.697	.127
Time * Group	Sphericity Assumed	.163	.126	3.885	.367
	Greenhouse-Geisser	.163	.126	3.885	.367
	Huynh-Feldt	.163	.126	3.885	.367
	Lower-bound	.163	.126	3.885	.367
Error(Time)	Sphericity Assumed				
	Greenhouse-Geisser				
	Huynh-Feldt				
	Lower-bound				

- 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	3.781	1	3.781	.697	.411
Time * Group	Linear	21.089	2	10.544	1.943	.163
Error(Time)	Linear	146.558	27	5.428		

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	Time	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Time	Linear	.025	.697	.127
Time * Group	Linear	.126	3.885	.367
Error(Time)	Linear			

a. Computed using alpha = .05

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Levene Statistic	df1	df2	Sig.
iPreContain	Based on Mean	2.657	2	27	.088
	Based on Median	1.521	2	27	.237
	Based on Median and with adjusted df	1.521	2	22.639	.240
	Based on trimmed mean	2.612	2	27	.092
iPostContain	Based on Mean	1.698	2	27	.202
	Based on Median	1.567	2	27	.227
	Based on Median and with adjusted df	1.567	2	20.587	.233
	Based on trimmed mean	1.631	2	27	.214

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

a. Design: Intercept + Group  
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	6828.889	1	6828.889	130.980	<.001	.829
Group	79.093	2	39.547	.759	.478	.053
Error	1407.694	27	52.137			

### Tests of Between-Subjects Effects

Measure: MEASURE\_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power <sup>a</sup>
Intercept	130.980	1.000
Group	1.517	.165
Error		

a. Computed using alpha = .05

## Estimated Marginal Means

### 1. Group

#### Estimates

Measure: MEASURE\_1

Group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Control	-9.539	1.615	-12.851	-6.226
Western	-12.243	1.615	-15.556	-8.930
Chinese	-10.223	1.615	-13.536	-6.911

## Pairwise Comparisons

Measure: MEASURE\_1

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
Control	Western	2.705	2.283	.247	-1.980	7.390
	Chinese	.685	2.283	.767	-4.000	5.370
Western	Control	-2.705	2.283	.247	-7.390	1.980
	Chinese	-2.020	2.283	.384	-6.705	2.665
Chinese	Control	-.685	2.283	.767	-5.370	4.000
	Western	2.020	2.283	.384	-2.665	6.705

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

## Univariate Tests

Measure: MEASURE\_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	39.547	2	19.773	.759	.478	.053
Error	703.847	27	26.068			

## Univariate Tests

Measure: MEASURE\_1

	Noncent. Parameter	Observed Power <sup>a</sup>
Contrast	1.517	.165
Error		

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

a. Computed using alpha = .05

## 2. Time

### Estimates

Measure: MEASURE\_1

Time	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	-10.919	1.051	-13.076	-8.763
2	-10.417	.902	-12.269	-8.566

### Pairwise Comparisons

Measure: MEASURE\_1

(I) Time	(J) Time	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
1	2	-.502	.602	.411	-1.736	.732
2	1	.502	.602	.411	-.732	1.736

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

### Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.025	.697 <sup>a</sup>	1.000	27.000	.411	.025
Wilks' lambda	.975	.697 <sup>a</sup>	1.000	27.000	.411	.025
Hotelling's trace	.026	.697 <sup>a</sup>	1.000	27.000	.411	.025
Roy's largest root	.026	.697 <sup>a</sup>	1.000	27.000	.411	.025

### Multivariate Tests

	Noncent. Parameter	Observed Power <sup>b</sup>
Pillai's trace	.697	.127
Wilks' lambda	.697	.127
Hotelling's trace	.697	.127
Roy's largest root	.697	.127

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

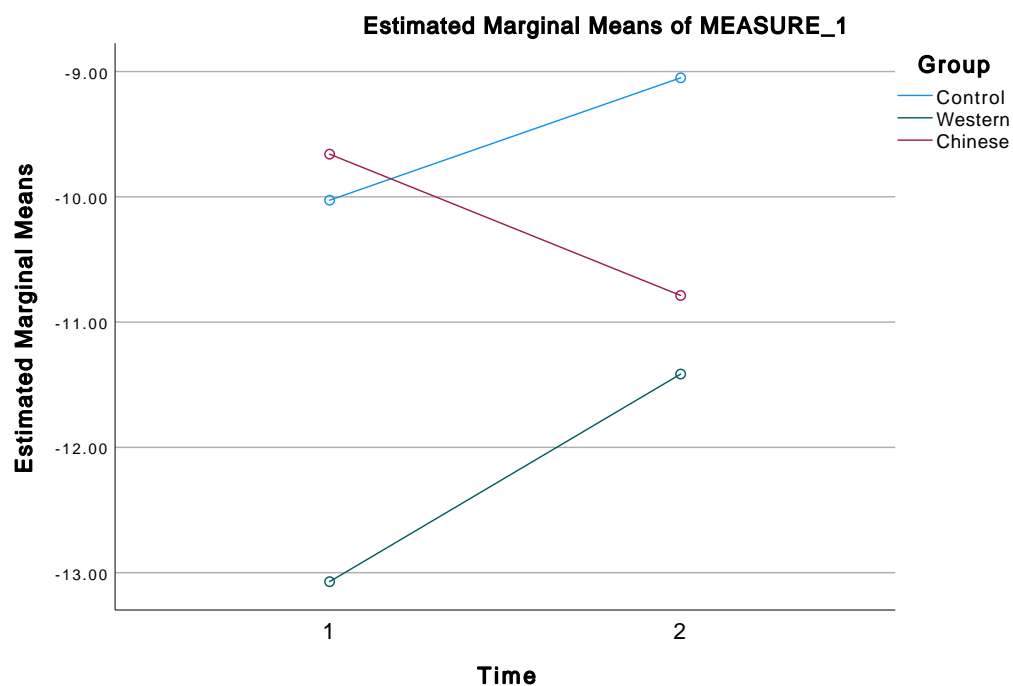
### 3. Group \* Time

Measure: MEASURE\_1

Group	Time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Control	1	-10.027	1.820	-13.762	-6.292
	2	-9.050	1.563	-12.257	-5.843
Western	1	-13.072	1.820	-16.807	-9.337
	2	-11.415	1.563	-14.622	-8.207
Chinese	1	-9.659	1.820	-13.394	-5.924
	2	-10.787	1.563	-13.995	-7.580



## Profile Plots



## General Linear Model

### Within-Subjects Factors

Measure: MEASURE\_1

Time	Dependent Variable
1	iPreDirect
2	iPostDirect

### Between-Subjects Factors

Group	Value	Label	N
Group	0	Control	10
	1	Western	10
	2	Chinese	10

## Descriptive Statistics

	Group	Mean	Std. Deviation	N
iPreDirect	Control	-2.1771	4.25969	10
	Western	-1.4719	5.25979	10
	Chinese	-.8094	3.01012	10
	Total	-1.4861	4.16553	30
iPostDirect	Control	-1.1500	4.87229	10
	Western	-.4646	3.79451	10
	Chinese	.1125	2.02750	10
	Total	-.5007	3.65883	30

## Box's Test of Equality of Covariance Matrices<sup>a</sup>

Box's M	10.431
F	1.552
df1	6
df2	18168.923
Sig.	.157

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

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

### Multivariate Tests<sup>a</sup>

Effect		Value	F	Hypothesis df	Error df	Sig.
Time	Pillai's Trace	.145	4.571 <sup>b</sup>	1.000	27.000	.042
	Wilks' Lambda	.855	4.571 <sup>b</sup>	1.000	27.000	.042
	Hotelling's Trace	.169	4.571 <sup>b</sup>	1.000	27.000	.042
	Roy's Largest Root	.169	4.571 <sup>b</sup>	1.000	27.000	.042
Time * Group	Pillai's Trace	.000	.005 <sup>b</sup>	2.000	27.000	.995
	Wilks' Lambda	1.000	.005 <sup>b</sup>	2.000	27.000	.995
	Hotelling's Trace	.000	.005 <sup>b</sup>	2.000	27.000	.995
	Roy's Largest Root	.000	.005 <sup>b</sup>	2.000	27.000	.995

### Multivariate Tests<sup>a</sup>

Effect		Partial Eta Squared	Noncent. Parameter	Observed Power <sup>c</sup>
Time	Pillai's Trace	.145	4.571	.540
	Wilks' Lambda	.145	4.571	.540
	Hotelling's Trace	.145	4.571	.540
	Roy's Largest Root	.145	4.571	.540
Time * Group	Pillai's Trace	.000	.010	.051
	Wilks' Lambda	.000	.010	.051
	Hotelling's Trace	.000	.010	.051
	Roy's Largest Root	.000	.010	.051

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

b. Exact statistic

c. Computed using alpha = .05

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon <sup>b</sup> Greenhouse-Geisser
Time	1.000	.000	0	.	1.000

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Epsilon <sup>b</sup>	
	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.

- Design: Intercept + Group  
Within Subjects Design: Time
- 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	14.566	1	14.566	4.571
	Greenhouse-Geisser	14.566	1.000	14.566	4.571
	Huynh-Feldt	14.566	1.000	14.566	4.571
	Lower-bound	14.566	1.000	14.566	4.571
Time * Group	Sphericity Assumed	.031	2	.016	.005
	Greenhouse-Geisser	.031	2.000	.016	.005
	Huynh-Feldt	.031	2.000	.016	.005
	Lower-bound	.031	2.000	.016	.005
Error(Time)	Sphericity Assumed	86.044	27	3.187	
	Greenhouse-Geisser	86.044	27.000	3.187	
	Huynh-Feldt	86.044	27.000	3.187	
	Lower-bound	86.044	27.000	3.187	

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Time	Sphericity Assumed	.042	.145	4.571	.540
	Greenhouse-Geisser	.042	.145	4.571	.540
	Huynh-Feldt	.042	.145	4.571	.540
	Lower-bound	.042	.145	4.571	.540
Time * Group	Sphericity Assumed	.995	.000	.010	.051
	Greenhouse-Geisser	.995	.000	.010	.051
	Huynh-Feldt	.995	.000	.010	.051
	Lower-bound	.995	.000	.010	.051
Error(Time)	Sphericity Assumed				
	Greenhouse-Geisser				
	Huynh-Feldt				
	Lower-bound				

- 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	14.566	1	14.566	4.571	.042
Time * Group	Linear	.031	2	.016	.005	.995
Error(Time)	Linear	86.044	27	3.187		

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	Time	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Time	Linear	.145	4.571	.540
Time * Group	Linear	.000	.010	.051
Error(Time)	Linear			

a. Computed using alpha = .05

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Levene Statistic	df1	df2	Sig.
iPreDirect	Based on Mean	.409	2	27	.668
	Based on Median	.301	2	27	.742
	Based on Median and with adjusted df	.301	2	20.639	.743
	Based on trimmed mean	.307	2	27	.738
iPostDirect	Based on Mean	1.743	2	27	.194
	Based on Median	1.617	2	27	.217
	Based on Median and with adjusted df	1.617	2	17.079	.227
	Based on trimmed mean	1.756	2	27	.192

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

a. Design: Intercept + Group  
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	59.211	1	59.211	2.029	.166	.070
Group	17.314	2	8.657	.297	.746	.021
Error	788.031	27	29.186			

### Tests of Between-Subjects Effects

Measure: MEASURE\_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power <sup>a</sup>
Intercept	2.029	.279
Group	.593	.092
Error		

a. Computed using alpha = .05

## Estimated Marginal Means

### 1. Group

#### Estimates

Measure: MEASURE\_1

Group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Control	-1.664	1.208	-4.142	.815
Western	-.968	1.208	-3.447	1.510
Chinese	-.348	1.208	-2.827	2.130

## Pairwise Comparisons

Measure: MEASURE\_1

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
Control	Western	-.695	1.708	.687	-4.201	2.810
	Chinese	-1.315	1.708	.448	-4.820	2.190
Western	Control	.695	1.708	.687	-2.810	4.201
	Chinese	-.620	1.708	.720	-4.125	2.886
Chinese	Control	1.315	1.708	.448	-2.190	4.820
	Western	.620	1.708	.720	-2.886	4.125

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

## Univariate Tests

Measure: MEASURE\_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	8.657	2	4.329	.297	.746	.021
Error	394.016	27	14.593			

## Univariate Tests

Measure: MEASURE\_1

	Noncent. Parameter	Observed Power <sup>a</sup>
Contrast	.593	.092
Error		

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

a. Computed using alpha = .05

## 2. Time

### Estimates

Measure: MEASURE\_1

Time	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	-1.486	.781	-3.088	.116
2	-.501	.685	-1.906	.905

### Pairwise Comparisons

Measure: MEASURE\_1

(I) Time	(J) Time	Mean Difference (I-J)	Std. Error	Sig. <sup>b</sup>	95% Confidence Interval for Difference <sup>b</sup>	
					Lower Bound	Upper Bound
1	2	-.985 <sup>*</sup>	.461	.042	-1.931	-.040
2	1	.985 <sup>*</sup>	.461	.042	.040	1.931

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

### Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.145	4.571 <sup>a</sup>	1.000	27.000	.042	.145
Wilks' lambda	.855	4.571 <sup>a</sup>	1.000	27.000	.042	.145
Hotelling's trace	.169	4.571 <sup>a</sup>	1.000	27.000	.042	.145
Roy's largest root	.169	4.571 <sup>a</sup>	1.000	27.000	.042	.145

### Multivariate Tests

	Noncent. Parameter	Observed Power <sup>b</sup>
Pillai's trace	4.571	.540
Wilks' lambda	4.571	.540
Hotelling's trace	4.571	.540
Roy's largest root	4.571	.540

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

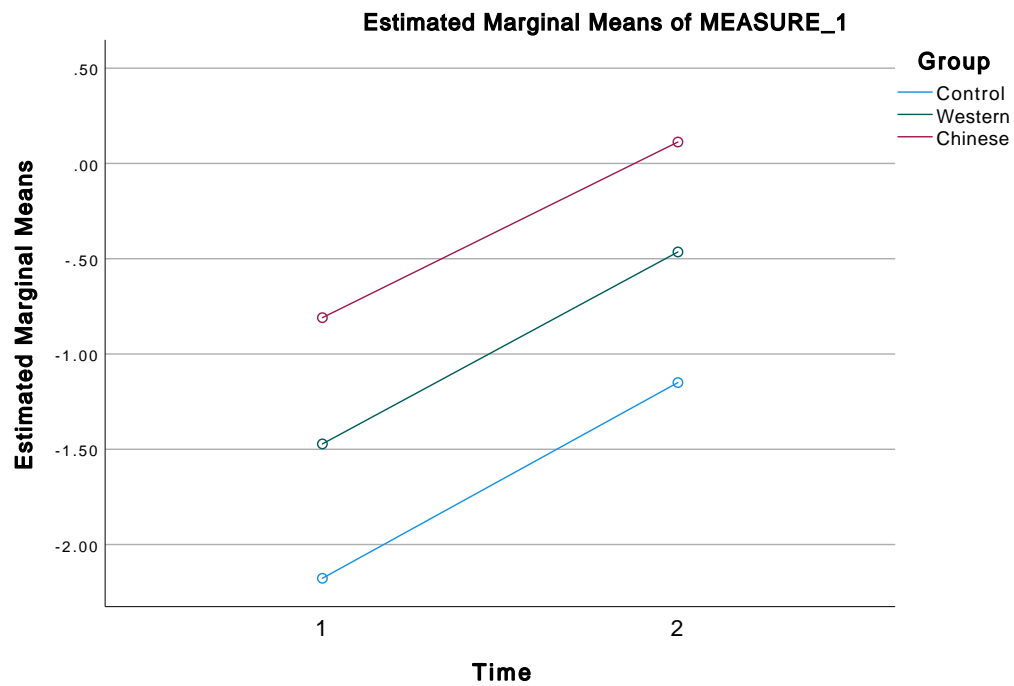
### 3. Group \* Time

Measure: MEASURE\_1

Group	Time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Control	1	-2.177	1.352	-4.952	.598
	2	-1.150	1.187	-3.585	1.285
Western	1	-1.472	1.352	-4.247	1.303
	2	-.465	1.187	-2.900	1.970
Chinese	1	-.809	1.352	-3.584	1.966
	2	.113	1.187	-2.322	2.547



## Profile Plots



## General Linear Model

### Within-Subjects Factors

Measure: MEASURE\_1

Time	Dependent Variable
1	iPreExpress
2	iPostExpress

### Between-Subjects Factors

Group	Value Label	N
0	Control	10
1	Western	10
2	Chinese	10

### Descriptive Statistics

	Group	Mean	Std. Deviation	N
iPreExpress	Control	-4.5271	3.35421	10
	Western	-2.5219	4.63034	10
	Chinese	-5.7594	2.94566	10
	Total	-4.2694	3.83141	30
iPostExpress	Control	-4.2500	4.10190	10
	Western	-3.1146	2.78195	10
	Chinese	-5.8375	3.15449	10
	Total	-4.4007	3.46436	30

### Box's Test of Equality of Covariance Matrices<sup>a</sup>

Box's M	8.667
F	1.289
df1	6
df2	18168.923
Sig.	.258

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

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

### Multivariate Tests<sup>a</sup>

Effect		Value	F	Hypothesis df	Error df	Sig.
Time	Pillai's Trace	.003	.069 <sup>b</sup>	1.000	27.000	.795
	Wilks' Lambda	.997	.069 <sup>b</sup>	1.000	27.000	.795
	Hotelling's Trace	.003	.069 <sup>b</sup>	1.000	27.000	.795
	Roy's Largest Root	.003	.069 <sup>b</sup>	1.000	27.000	.795
Time * Group	Pillai's Trace	.019	.255 <sup>b</sup>	2.000	27.000	.777
	Wilks' Lambda	.981	.255 <sup>b</sup>	2.000	27.000	.777
	Hotelling's Trace	.019	.255 <sup>b</sup>	2.000	27.000	.777
	Roy's Largest Root	.019	.255 <sup>b</sup>	2.000	27.000	.777

### Multivariate Tests<sup>a</sup>

Effect		Partial Eta Squared	Noncent. Parameter	Observed Power <sup>c</sup>
Time	Pillai's Trace	.003	.069	.057
	Wilks' Lambda	.003	.069	.057
	Hotelling's Trace	.003	.069	.057
	Roy's Largest Root	.003	.069	.057
Time * Group	Pillai's Trace	.019	.510	.086
	Wilks' Lambda	.019	.510	.086
	Hotelling's Trace	.019	.510	.086
	Roy's Largest Root	.019	.510	.086

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

b. Exact statistic

c. Computed using alpha = .05

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon <sup>b</sup> Greenhouse-Geisser
Time	1.000	.000	0	.	1.000

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

		Epsilon <sup>b</sup>
Within Subjects Effect	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 + Group  
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	.258	1	.258	.069
	Greenhouse-Geisser	.258	1.000	.258	.069
	Huynh-Feldt	.258	1.000	.258	.069
	Lower-bound	.258	1.000	.258	.069
Time * Group	Sphericity Assumed	1.913	2	.956	.255
	Greenhouse-Geisser	1.913	2.000	.956	.255
	Huynh-Feldt	1.913	2.000	.956	.255
	Lower-bound	1.913	2.000	.956	.255
Error(Time)	Sphericity Assumed	101.293	27	3.752	
	Greenhouse-Geisser	101.293	27.000	3.752	
	Huynh-Feldt	101.293	27.000	3.752	
	Lower-bound	101.293	27.000	3.752	

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Time	Sphericity Assumed	.795	.003	.069	.057
	Greenhouse-Geisser	.795	.003	.069	.057
	Huynh-Feldt	.795	.003	.069	.057
	Lower-bound	.795	.003	.069	.057
Time * Group	Sphericity Assumed	.777	.019	.510	.086
	Greenhouse-Geisser	.777	.019	.510	.086
	Huynh-Feldt	.777	.019	.510	.086
	Lower-bound	.777	.019	.510	.086
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	.258	1	.258	.069	.795
Time * Group	Linear	1.913	2	.956	.255	.777
Error(Time)	Linear	101.293	27	3.752		

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	Time	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Time	Linear	.003	.069	.057
Time * Group	Linear	.019	.510	.086
Error(Time)	Linear			

a. Computed using alpha = .05

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Levene Statistic	df1	df2	Sig.
iPreExpress	Based on Mean	1.248	2	27	.303
	Based on Median	1.205	2	27	.315
	Based on Median and with adjusted df	1.205	2	25.933	.316
	Based on trimmed mean	1.254	2	27	.301
iPostExpress	Based on Mean	1.211	2	27	.314
	Based on Median	1.165	2	27	.327
	Based on Median and with adjusted df	1.165	2	26.911	.327
	Based on trimmed mean	1.217	2	27	.312

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

a. Design: Intercept + Group  
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	1127.570	1	1127.570	52.341	<.001	.660
Group	88.902	2	44.451	2.063	.147	.133
Error	581.657	27	21.543			

### Tests of Between-Subjects Effects

Measure: MEASURE\_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power <sup>a</sup>
Intercept	52.341	1.000
Group	4.127	.387
Error		

a. Computed using alpha = .05

## Estimated Marginal Means

### 1. Group

#### Estimates

Measure: MEASURE\_1

Group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Control	-4.389	1.038	-6.518	-2.259
Western	-2.818	1.038	-4.948	-.689
Chinese	-5.798	1.038	-7.928	-3.669

## Pairwise Comparisons

Measure: MEASURE\_1

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
Control	Western	-1.570	1.468	.294	-4.582	1.441
	Chinese	1.410	1.468	.345	-1.602	4.421
Western	Control	1.570	1.468	.294	-1.441	4.582
	Chinese	2.980	1.468	.052	-.031	5.992
Chinese	Control	-1.410	1.468	.345	-4.421	1.602
	Western	-2.980	1.468	.052	-5.992	.031

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

## Univariate Tests

Measure: MEASURE\_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	44.451	2	22.226	2.063	.147	.133
Error	290.829	27	10.771			

## Univariate Tests

Measure: MEASURE\_1

	Noncent. Parameter	Observed Power <sup>a</sup>
Contrast	4.127	.387
Error		

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

a. Computed using alpha = .05

## 2. Time

### Estimates

Measure: MEASURE\_1

Time	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	-4.269	.678	-5.661	-2.878
2	-4.401	.619	-5.671	-3.130

### Pairwise Comparisons

Measure: MEASURE\_1

(I) Time	(J) Time	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
1	2	.131	.500	.795	-.895	1.157
2	1	-.131	.500	.795	-1.157	.895

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

### Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.003	.069 <sup>a</sup>	1.000	27.000	.795	.003
Wilks' lambda	.997	.069 <sup>a</sup>	1.000	27.000	.795	.003
Hotelling's trace	.003	.069 <sup>a</sup>	1.000	27.000	.795	.003
Roy's largest root	.003	.069 <sup>a</sup>	1.000	27.000	.795	.003

### Multivariate Tests

	Noncent. Parameter	Observed Power <sup>b</sup>
Pillai's trace	.069	.057
Wilks' lambda	.069	.057
Hotelling's trace	.069	.057
Roy's largest root	.069	.057

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

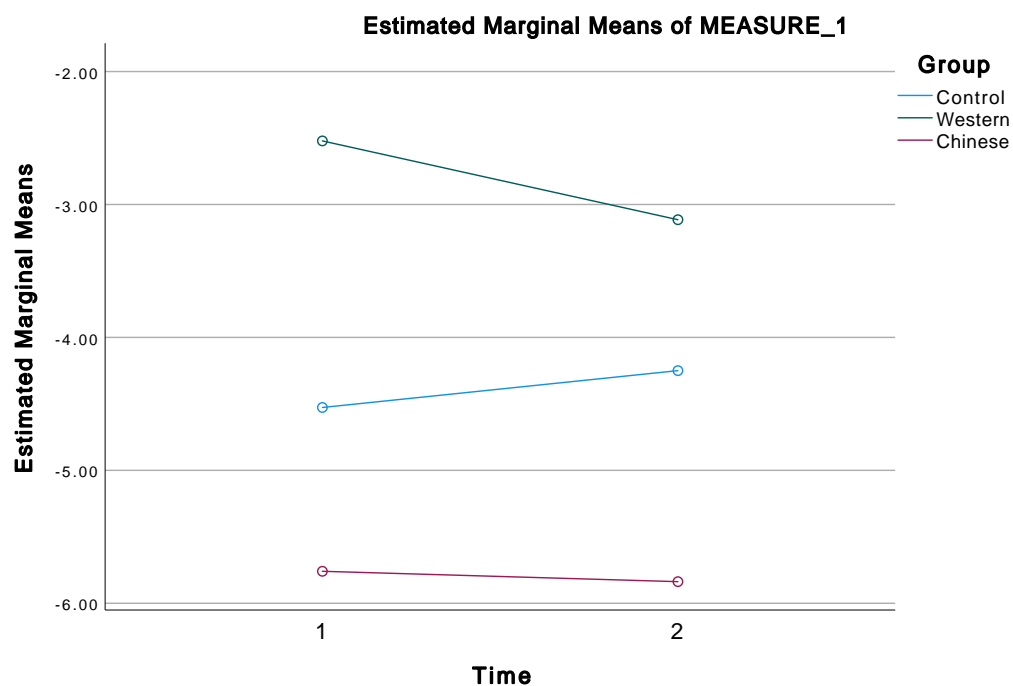
### 3. Group \* Time

Measure: MEASURE\_1

Group	Time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Control	1	-4.527	1.174	-6.936	-2.118
	2	-4.250	1.073	-6.451	-2.049
Western	1	-2.522	1.174	-4.931	-.112
	2	-3.115	1.073	-5.315	-.914
Chinese	1	-5.759	1.174	-8.169	-3.350
	2	-5.837	1.073	-8.038	-3.637



## Profile Plots



## General Linear Model

### Within-Subjects Factors

Measure: MEASURE\_1

Time	Dependent Variable
1	iPreConsist
2	iPostConsist

### Between-Subjects Factors

		Value Label	N
Group	0	Control	10
	1	Western	10
	2	Chinese	10

### Descriptive Statistics

	Group	Mean	Std. Deviation	N
iPreConsist	Control	-7.4271	3.29232	10
	Western	-2.7719	5.41129	10
	Chinese	-3.8094	3.36797	10
	Total	-4.6694	4.48227	30
iPostConsist	Control	-2.5000	4.36942	10
	Western	2.6646	5.21409	10
	Chinese	2.4375	4.39804	10
	Total	.8674	5.12242	30

### Box's Test of Equality of Covariance Matrices<sup>a</sup>

Box's M	3.669
F	.546
df1	6
df2	18168.923
Sig.	.774

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

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

### Multivariate Tests<sup>a</sup>

Effect		Value	F	Hypothesis df	Error df	Sig.
Time	Pillai's Trace	.769	89.782 <sup>b</sup>	1.000	27.000	<.001
	Wilks' Lambda	.231	89.782 <sup>b</sup>	1.000	27.000	<.001
	Hotelling's Trace	3.325	89.782 <sup>b</sup>	1.000	27.000	<.001
	Roy's Largest Root	3.325	89.782 <sup>b</sup>	1.000	27.000	<.001
Time * Group	Pillai's Trace	.031	.432 <sup>b</sup>	2.000	27.000	.653
	Wilks' Lambda	.969	.432 <sup>b</sup>	2.000	27.000	.653
	Hotelling's Trace	.032	.432 <sup>b</sup>	2.000	27.000	.653
	Roy's Largest Root	.032	.432 <sup>b</sup>	2.000	27.000	.653

### Multivariate Tests<sup>a</sup>

Effect		Partial Eta Squared	Noncent. Parameter	Observed Power <sup>c</sup>
Time	Pillai's Trace	.769	89.782	1.000
	Wilks' Lambda	.769	89.782	1.000
	Hotelling's Trace	.769	89.782	1.000
	Roy's Largest Root	.769	89.782	1.000
Time * Group	Pillai's Trace	.031	.865	.113
	Wilks' Lambda	.031	.865	.113
	Hotelling's Trace	.031	.865	.113
	Roy's Largest Root	.031	.865	.113

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

b. Exact statistic

c. Computed using alpha = .05

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon <sup>b</sup> Greenhouse-Geisser
Time	1.000	.000	0	.	1.000

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Epsilon <sup>b</sup>	
	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.

- Design: Intercept + Group  
Within Subjects Design: Time
- 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	459.843	1	459.843	89.782
	Greenhouse-Geisser	459.843	1.000	459.843	89.782
	Huynh-Feldt	459.843	1.000	459.843	89.782
	Lower-bound	459.843	1.000	459.843	89.782
Time * Group	Sphericity Assumed	4.430	2	2.215	.432
	Greenhouse-Geisser	4.430	2.000	2.215	.432
	Huynh-Feldt	4.430	2.000	2.215	.432
	Lower-bound	4.430	2.000	2.215	.432
Error(Time)	Sphericity Assumed	138.288	27	5.122	
	Greenhouse-Geisser	138.288	27.000	5.122	
	Huynh-Feldt	138.288	27.000	5.122	
	Lower-bound	138.288	27.000	5.122	

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Time	Sphericity Assumed	<.001	.769	89.782	1.000
	Greenhouse-Geisser	<.001	.769	89.782	1.000
	Huynh-Feldt	<.001	.769	89.782	1.000
	Lower-bound	<.001	.769	89.782	1.000
Time * Group	Sphericity Assumed	.653	.031	.865	.113
	Greenhouse-Geisser	.653	.031	.865	.113
	Huynh-Feldt	.653	.031	.865	.113
	Lower-bound	.653	.031	.865	.113
Error(Time)	Sphericity Assumed				
	Greenhouse-Geisser				
	Huynh-Feldt				
	Lower-bound				

- 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	459.843	1	459.843	89.782	<.001
Time * Group	Linear	4.430	2	2.215	.432	.653
Error(Time)	Linear	138.288	27	5.122		

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	Time	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Time	Linear	.769	89.782	1.000
Time * Group	Linear	.031	.865	.113
Error(Time)	Linear			

a. Computed using alpha = .05

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Levene Statistic	df1	df2	Sig.
iPreConsist	Based on Mean	1.039	2	27	.367
	Based on Median	.601	2	27	.555
	Based on Median and with adjusted df	.601	2	18.961	.558
	Based on trimmed mean	.956	2	27	.397
iPostConsist	Based on Mean	.026	2	27	.975
	Based on Median	.054	2	27	.947
	Based on Median and with adjusted df	.054	2	26.549	.947
	Based on trimmed mean	.043	2	27	.958

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

a. Design: Intercept + Group  
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	216.838	1	216.838	6.395	.018	.191
Group	285.365	2	142.683	4.208	.026	.238
Error	915.485	27	33.907			

### Tests of Between-Subjects Effects

Measure: MEASURE\_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power <sup>a</sup>
Intercept	6.395	.684
Group	8.416	.689
Error		

a. Computed using alpha = .05

## Estimated Marginal Means

### 1. Group

#### Estimates

Measure: MEASURE\_1

Group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Control	-4.964	1.302	-7.635	-2.292
Western	-.054	1.302	-2.725	2.618
Chinese	-.686	1.302	-3.358	1.986

## Pairwise Comparisons

Measure: MEASURE\_1

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig. <sup>b</sup>	95% Confidence Interval for Difference <sup>b</sup>	
					Lower Bound	Upper Bound
Control	Western	-4.910 <sup>*</sup>	1.841	.013	-8.688	-1.132
	Chinese	-4.278 <sup>*</sup>	1.841	.028	-8.056	-.499
Western	Control	4.910 <sup>*</sup>	1.841	.013	1.132	8.688
	Chinese	.632	1.841	.734	-3.146	4.410
Chinese	Control	4.278 <sup>*</sup>	1.841	.028	.499	8.056
	Western	-.632	1.841	.734	-4.410	3.146

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

## Univariate Tests

Measure: MEASURE\_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	142.683	2	71.341	4.208	.026	.238
Error	457.743	27	16.953			

## Univariate Tests

Measure: MEASURE\_1

	Noncent. Parameter	Observed Power <sup>a</sup>
Contrast	8.416	.689
Error		

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

a. Computed using alpha = .05

## 2. Time

### Estimates

Measure: MEASURE\_1

Time	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	-4.669	.756	-6.221	-3.118
2	.867	.854	-.885	2.619

### Pairwise Comparisons

Measure: MEASURE\_1

(I) Time	(J) Time	Mean Difference (I-J)	Std. Error	Sig. <sup>b</sup>	95% Confidence Interval for Difference <sup>b</sup>	
					Lower Bound	Upper Bound
1	2	-5.537 <sup>*</sup>	.584	<.001	-6.736	-4.338
2	1	5.537 <sup>*</sup>	.584	<.001	4.338	6.736

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

### Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.769	89.782 <sup>a</sup>	1.000	27.000	<.001	.769
Wilks' lambda	.231	89.782 <sup>a</sup>	1.000	27.000	<.001	.769
Hotelling's trace	3.325	89.782 <sup>a</sup>	1.000	27.000	<.001	.769
Roy's largest root	3.325	89.782 <sup>a</sup>	1.000	27.000	<.001	.769

### Multivariate Tests

	Noncent. Parameter	Observed Power <sup>b</sup>
Pillai's trace	89.782	1.000
Wilks' lambda	89.782	1.000
Hotelling's trace	89.782	1.000
Roy's largest root	89.782	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

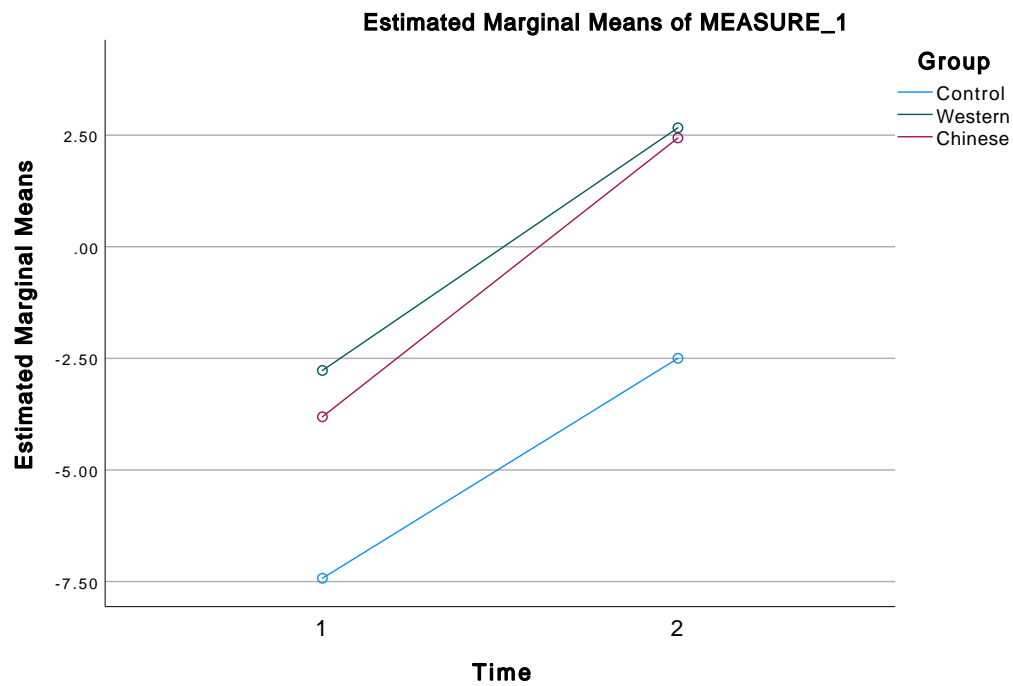
### 3. Group \* Time

Measure: MEASURE\_1

Group	Time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Control	1	-7.427	1.310	-10.115	-4.740
	2	-2.500	1.479	-5.535	.535
Western	1	-2.772	1.310	-5.459	-.084
	2	2.665	1.479	-.370	5.699
Chinese	1	-3.809	1.310	-6.497	-1.122
	2	2.437	1.479	-.597	5.472



## Profile Plots



## General Linear Model

### Within-Subjects Factors

Measure: MEASURE\_1

Time	Dependent Variable
1	iPreContext
2	iPostContext

### Between-Subjects Factors

Group	Value Label	N
0	Control	10
1	Western	10
2	Chinese	10

### Descriptive Statistics

	Group	Mean	Std. Deviation	N
iPreContext	Control	.0229	4.71488	10
	Western	-2.8219	3.98103	10
	Chinese	-1.6094	4.94448	10
	Total	-1.4694	4.56183	30
iPostContext	Control	-.4500	4.55114	10
	Western	-.8646	5.40123	10
	Chinese	-.9375	4.92726	10
	Total	-.7507	4.80251	30

### Box's Test of Equality of Covariance Matrices<sup>a</sup>

Box's M	1.450
F	.216
df1	6
df2	18168.923
Sig.	.972

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

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

### Multivariate Tests<sup>a</sup>

Effect		Value	F	Hypothesis df	Error df	Sig.
Time	Pillai's Trace	.042	1.178 <sup>b</sup>	1.000	27.000	.287
	Wilks' Lambda	.958	1.178 <sup>b</sup>	1.000	27.000	.287
	Hotelling's Trace	.044	1.178 <sup>b</sup>	1.000	27.000	.287
	Roy's Largest Root	.044	1.178 <sup>b</sup>	1.000	27.000	.287
Time * Group	Pillai's Trace	.077	1.124 <sup>b</sup>	2.000	27.000	.340
	Wilks' Lambda	.923	1.124 <sup>b</sup>	2.000	27.000	.340
	Hotelling's Trace	.083	1.124 <sup>b</sup>	2.000	27.000	.340
	Roy's Largest Root	.083	1.124 <sup>b</sup>	2.000	27.000	.340

### Multivariate Tests<sup>a</sup>

Effect		Partial Eta Squared	Noncent. Parameter	Observed Power <sup>c</sup>
Time	Pillai's Trace	.042	1.178	.182
	Wilks' Lambda	.042	1.178	.182
	Hotelling's Trace	.042	1.178	.182
	Roy's Largest Root	.042	1.178	.182
Time * Group	Pillai's Trace	.077	2.247	.227
	Wilks' Lambda	.077	2.247	.227
	Hotelling's Trace	.077	2.247	.227
	Roy's Largest Root	.077	2.247	.227

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

b. Exact statistic

c. Computed using alpha = .05

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon <sup>b</sup> Greenhouse-Geisser
Time	1.000	.000	0	.	1.000

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Epsilon <sup>b</sup>	
	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 + Group  
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	7.749	1	7.749	1.178
	Greenhouse-Geisser	7.749	1.000	7.749	1.178
	Huynh-Feldt	7.749	1.000	7.749	1.178
	Lower-bound	7.749	1.000	7.749	1.178
Time * Group	Sphericity Assumed	14.781	2	7.391	1.124
	Greenhouse-Geisser	14.781	2.000	7.391	1.124
	Huynh-Feldt	14.781	2.000	7.391	1.124
	Lower-bound	14.781	2.000	7.391	1.124
Error(Time)	Sphericity Assumed	177.611	27	6.578	
	Greenhouse-Geisser	177.611	27.000	6.578	
	Huynh-Feldt	177.611	27.000	6.578	
	Lower-bound	177.611	27.000	6.578	

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Time	Sphericity Assumed	.287	.042	1.178	.182
	Greenhouse-Geisser	.287	.042	1.178	.182
	Huynh-Feldt	.287	.042	1.178	.182
	Lower-bound	.287	.042	1.178	.182
Time * Group	Sphericity Assumed	.340	.077	2.247	.227
	Greenhouse-Geisser	.340	.077	2.247	.227
	Huynh-Feldt	.340	.077	2.247	.227
	Lower-bound	.340	.077	2.247	.227
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	7.749	1	7.749	1.178	.287
Time * Group	Linear	14.781	2	7.391	1.124	.340
Error(Time)	Linear	177.611	27	6.578		

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	Time	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Time	Linear	.042	1.178	.182
Time * Group	Linear	.077	2.247	.227
Error(Time)	Linear			

a. Computed using alpha = .05

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Levene Statistic	df1	df2	Sig.
iPreContext	Based on Mean	.380	2	27	.688
	Based on Median	.102	2	27	.903
	Based on Median and with adjusted df	.102	2	22.886	.903
	Based on trimmed mean	.367	2	27	.696
iPostContext	Based on Mean	.110	2	27	.896
	Based on Median	.224	2	27	.801
	Based on Median and with adjusted df	.224	2	24.508	.801
	Based on trimmed mean	.122	2	27	.885

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

a. Design: Intercept + Group  
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	73.935	1	73.935	1.896	.180	.066
Group	27.359	2	13.680	.351	.707	.025
Error	1052.605	27	38.985			

### Tests of Between-Subjects Effects

Measure: MEASURE\_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power <sup>a</sup>
Intercept	1.896	.264
Group	.702	.100
Error		

a. Computed using alpha = .05

## Estimated Marginal Means

### 1. Group

#### Estimates

Measure: MEASURE\_1

Group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Control	-.214	1.396	-3.078	2.651
Western	-1.843	1.396	-4.708	1.021
Chinese	-1.273	1.396	-4.138	1.591

## Pairwise Comparisons

Measure: MEASURE\_1

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
Control	Western	1.630	1.974	.416	-2.422	5.681
	Chinese	1.060	1.974	.596	-2.991	5.111
Western	Control	-1.630	1.974	.416	-5.681	2.422
	Chinese	-.570	1.974	.775	-4.621	3.481
Chinese	Control	-1.060	1.974	.596	-5.111	2.991
	Western	.570	1.974	.775	-3.481	4.621

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

## Univariate Tests

Measure: MEASURE\_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	13.680	2	6.840	.351	.707	.025
Error	526.303	27	19.493			

## Univariate Tests

Measure: MEASURE\_1

	Noncent. Parameter	Observed Power <sup>a</sup>
Contrast	.702	.100
Error		

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

a. Computed using alpha = .05

## 2. Time

### Estimates

Measure: MEASURE\_1

Time	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	-1.469	.834	-3.180	.241
2	-.751	.908	-2.613	1.112

### Pairwise Comparisons

Measure: MEASURE\_1

(I) Time	(J) Time	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
1	2	-.719	.662	.287	-2.078	.640
2	1	.719	.662	.287	-.640	2.078

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

### Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.042	1.178 <sup>a</sup>	1.000	27.000	.287	.042
Wilks' lambda	.958	1.178 <sup>a</sup>	1.000	27.000	.287	.042
Hotelling's trace	.044	1.178 <sup>a</sup>	1.000	27.000	.287	.042
Roy's largest root	.044	1.178 <sup>a</sup>	1.000	27.000	.287	.042

### Multivariate Tests

	Noncent. Parameter	Observed Power <sup>b</sup>
Pillai's trace	1.178	.182
Wilks' lambda	1.178	.182
Hotelling's trace	1.178	.182
Roy's largest root	1.178	.182

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

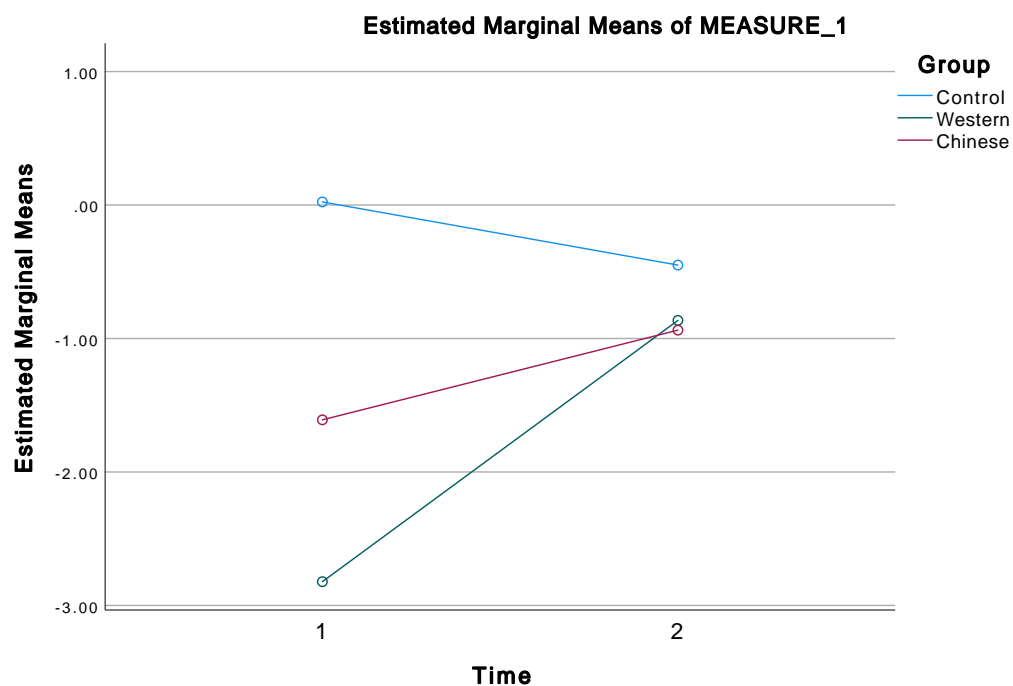
### 3. Group \* Time

Measure: MEASURE\_1

Group	Time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Control	1	.023	1.444	-2.939	2.985
	2	-.450	1.572	-3.676	2.776
Western	1	-2.822	1.444	-5.784	.140
	2	-.865	1.572	-4.091	2.362
Chinese	1	-1.609	1.444	-4.572	1.353
	2	-.937	1.572	-4.164	2.289



## Profile Plots



## General Linear Model

### Within-Subjects Factors

Measure: MEASURE\_1

Time	Dependent Variable
1	iPreRely
2	iPostRely

### Between-Subjects Factors

		Value Label	N
Group	0	Control	10
	1	Western	10
	2	Chinese	10

### Descriptive Statistics

	Group	Mean	Std. Deviation	N
iPreRely	Control	.8729	4.58584	10
	Western	.3781	4.09373	10
	Chinese	-.5094	3.86196	10
	Total	.2472	4.08589	30
iPostRely	Control	1.6500	5.27296	10
	Western	1.1354	4.05570	10
	Chinese	.8125	2.87371	10
	Total	1.1993	4.05211	30

### Box's Test of Equality of Covariance Matrices<sup>a</sup>

Box's M	4.267
F	.635
df1	6
df2	18168.923
Sig.	.702

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

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

### Multivariate Tests<sup>a</sup>

Effect		Value	F	Hypothesis df	Error df	Sig.
Time	Pillai's Trace	.119	3.654 <sup>b</sup>	1.000	27.000	.067
	Wilks' Lambda	.881	3.654 <sup>b</sup>	1.000	27.000	.067
	Hotelling's Trace	.135	3.654 <sup>b</sup>	1.000	27.000	.067
	Roy's Largest Root	.135	3.654 <sup>b</sup>	1.000	27.000	.067
Time * Group	Pillai's Trace	.010	.138 <sup>b</sup>	2.000	27.000	.872
	Wilks' Lambda	.990	.138 <sup>b</sup>	2.000	27.000	.872
	Hotelling's Trace	.010	.138 <sup>b</sup>	2.000	27.000	.872
	Roy's Largest Root	.010	.138 <sup>b</sup>	2.000	27.000	.872

### Multivariate Tests<sup>a</sup>

Effect		Partial Eta Squared	Noncent. Parameter	Observed Power <sup>c</sup>
Time	Pillai's Trace	.119	3.654	.454
	Wilks' Lambda	.119	3.654	.454
	Hotelling's Trace	.119	3.654	.454
	Roy's Largest Root	.119	3.654	.454
Time * Group	Pillai's Trace	.010	.276	.069
	Wilks' Lambda	.010	.276	.069
	Hotelling's Trace	.010	.276	.069
	Roy's Largest Root	.010	.276	.069

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

b. Exact statistic

c. Computed using alpha = .05

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon <sup>b</sup> Greenhouse-Geisser
Time	1.000	.000	0	.	1.000

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

		Epsilon <sup>b</sup>
Within Subjects Effect	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.

- Design: Intercept + Group  
Within Subjects Design: Time
- 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	13.597	1	13.597	3.654
	Greenhouse-Geisser	13.597	1.000	13.597	3.654
	Huynh-Feldt	13.597	1.000	13.597	3.654
	Lower-bound	13.597	1.000	13.597	3.654
Time * Group	Sphericity Assumed	1.027	2	.513	.138
	Greenhouse-Geisser	1.027	2.000	.513	.138
	Huynh-Feldt	1.027	2.000	.513	.138
	Lower-bound	1.027	2.000	.513	.138
Error(Time)	Sphericity Assumed	100.460	27	3.721	
	Greenhouse-Geisser	100.460	27.000	3.721	
	Huynh-Feldt	100.460	27.000	3.721	
	Lower-bound	100.460	27.000	3.721	

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Time	Sphericity Assumed	.067	.119	3.654	.454
	Greenhouse-Geisser	.067	.119	3.654	.454
	Huynh-Feldt	.067	.119	3.654	.454
	Lower-bound	.067	.119	3.654	.454
Time * Group	Sphericity Assumed	.872	.010	.276	.069
	Greenhouse-Geisser	.872	.010	.276	.069
	Huynh-Feldt	.872	.010	.276	.069
	Lower-bound	.872	.010	.276	.069
Error(Time)	Sphericity Assumed				
	Greenhouse-Geisser				
	Huynh-Feldt				
	Lower-bound				

- 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	13.597	1	13.597	3.654	.067
Time * Group	Linear	1.027	2	.513	.138	.872
Error(Time)	Linear	100.460	27	3.721		

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	Time	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Time	Linear	.119	3.654	.454
Time * Group	Linear	.010	.276	.069
Error(Time)	Linear			

a. Computed using alpha = .05

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Levene Statistic	df1	df2	Sig.
iPreRely	Based on Mean	.070	2	27	.932
	Based on Median	.006	2	27	.994
	Based on Median and with adjusted df	.006	2	21.909	.994
	Based on trimmed mean	.065	2	27	.937
iPostRely	Based on Mean	1.641	2	27	.213
	Based on Median	.821	2	27	.451
	Based on Median and with adjusted df	.821	2	17.388	.456
	Based on trimmed mean	1.507	2	27	.240

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

a. Design: Intercept + Group  
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	31.387	1	31.387	1.001	.326	.036
Group	12.352	2	6.176	.197	.822	.014
Error	846.468	27	31.351			

### Tests of Between-Subjects Effects

Measure: MEASURE\_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power <sup>a</sup>
Intercept	1.001	.162
Group	.394	.078
Error		

a. Computed using alpha = .05

## Estimated Marginal Means

### 1. Group

#### Estimates

Measure: MEASURE\_1

Group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Control	1.261	1.252	-1.307	3.830
Western	.757	1.252	-1.812	3.326
Chinese	.152	1.252	-2.417	2.720

## Pairwise Comparisons

Measure: MEASURE\_1

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
Control	Western	.505	1.771	.778	-3.128	4.138
	Chinese	1.110	1.771	.536	-2.523	4.743
Western	Control	-.505	1.771	.778	-4.138	3.128
	Chinese	.605	1.771	.735	-3.028	4.238
Chinese	Control	-1.110	1.771	.536	-4.743	2.523
	Western	-.605	1.771	.735	-4.238	3.028

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

## Univariate Tests

Measure: MEASURE\_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	6.176	2	3.088	.197	.822	.014
Error	423.234	27	15.675			

## Univariate Tests

Measure: MEASURE\_1

	Noncent. Parameter	Observed Power <sup>a</sup>
Contrast	.394	.078
Error		

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

a. Computed using alpha = .05

## 2. Time

### Estimates

Measure: MEASURE\_1

Time	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	.247	.765	-1.323	1.817
2	1.199	.764	-.368	2.767

### Pairwise Comparisons

Measure: MEASURE\_1

(I) Time	(J) Time	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
1	2	-.952	.498	.067	-1.974	.070
2	1	.952	.498	.067	-.070	1.974

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

### Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.119	3.654 <sup>a</sup>	1.000	27.000	.067	.119
Wilks' lambda	.881	3.654 <sup>a</sup>	1.000	27.000	.067	.119
Hotelling's trace	.135	3.654 <sup>a</sup>	1.000	27.000	.067	.119
Roy's largest root	.135	3.654 <sup>a</sup>	1.000	27.000	.067	.119

### Multivariate Tests

	Noncent. Parameter	Observed Power <sup>b</sup>
Pillai's trace	3.654	.454
Wilks' lambda	3.654	.454
Hotelling's trace	3.654	.454
Roy's largest root	3.654	.454

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

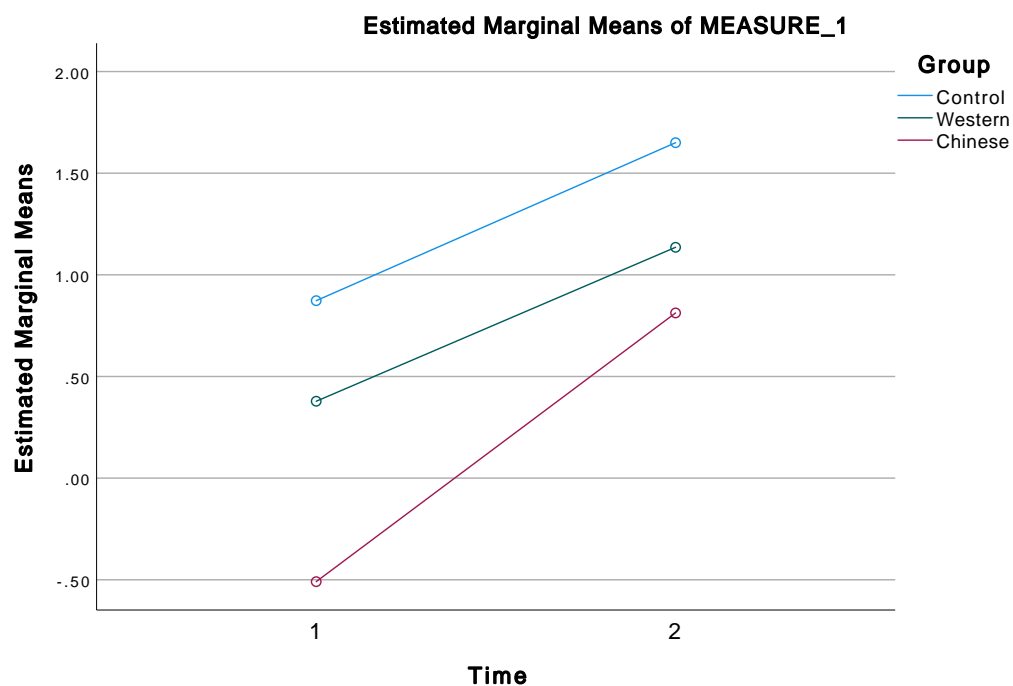
### 3. Group \* Time

Measure: MEASURE\_1

Group	Time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Control	1	.873	1.325	-1.847	3.592
	2	1.650	1.323	-1.065	4.365
Western	1	.378	1.325	-2.341	3.098
	2	1.135	1.323	-1.579	3.850
Chinese	1	-.509	1.325	-3.229	2.210
	2	.813	1.323	-1.902	3.527



## Profile Plots



## General Linear Model

### Within-Subjects Factors

Measure: MEASURE\_1

Time	Dependent Variable
1	iPreInt
2	iPostInt

### Between-Subjects Factors

Group	Value Label	N
0	Control	10
1	Western	10
2	Chinese	10

## Descriptive Statistics

	Group	Mean	Std. Deviation	N
iPreInt	Control	-2.6771	3.75713	10
	Western	-4.1719	3.87333	10
	Chinese	-3.8094	2.80697	10
	Total	-3.5528	3.44984	30
iPostInt	Control	3.5000	4.51339	10
	Western	2.4646	3.31996	10
	Chinese	3.2875	2.95070	10
	Total	3.0840	3.55681	30

## Box's Test of Equality of Covariance Matrices<sup>a</sup>

Box's M	5.925
F	.881
df1	6
df2	18168.923
Sig.	.507

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

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

### Multivariate Tests<sup>a</sup>

Effect		Value	F	Hypothesis df	Error df	Sig.
Time	Pillai's Trace	.904	255.229 <sup>b</sup>	1.000	27.000	<.001
	Wilks' Lambda	.096	255.229 <sup>b</sup>	1.000	27.000	<.001
	Hotelling's Trace	9.453	255.229 <sup>b</sup>	1.000	27.000	<.001
	Roy's Largest Root	9.453	255.229 <sup>b</sup>	1.000	27.000	<.001
Time * Group	Pillai's Trace	.029	.409 <sup>b</sup>	2.000	27.000	.669
	Wilks' Lambda	.971	.409 <sup>b</sup>	2.000	27.000	.669
	Hotelling's Trace	.030	.409 <sup>b</sup>	2.000	27.000	.669
	Roy's Largest Root	.030	.409 <sup>b</sup>	2.000	27.000	.669

### Multivariate Tests<sup>a</sup>

Effect		Partial Eta Squared	Noncent. Parameter	Observed Power <sup>c</sup>
Time	Pillai's Trace	.904	255.229	1.000
	Wilks' Lambda	.904	255.229	1.000
	Hotelling's Trace	.904	255.229	1.000
	Roy's Largest Root	.904	255.229	1.000
Time * Group	Pillai's Trace	.029	.817	.109
	Wilks' Lambda	.029	.817	.109
	Hotelling's Trace	.029	.817	.109
	Roy's Largest Root	.029	.817	.109

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

b. Exact statistic

c. Computed using alpha = .05

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon <sup>b</sup> Greenhouse-Geisser
Time	1.000	.000	0	.	1.000

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Epsilon <sup>b</sup>		
Within Subjects Effect	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.

- Design: Intercept + Group  
Within Subjects Design: Time
- 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	660.708	1	660.708	255.229
	Greenhouse-Geisser	660.708	1.000	660.708	255.229
	Huynh-Feldt	660.708	1.000	660.708	255.229
	Lower-bound	660.708	1.000	660.708	255.229
Time * Group	Sphericity Assumed	2.115	2	1.058	.409
	Greenhouse-Geisser	2.115	2.000	1.058	.409
	Huynh-Feldt	2.115	2.000	1.058	.409
	Lower-bound	2.115	2.000	1.058	.409
Error(Time)	Sphericity Assumed	69.895	27	2.589	
	Greenhouse-Geisser	69.895	27.000	2.589	
	Huynh-Feldt	69.895	27.000	2.589	
	Lower-bound	69.895	27.000	2.589	

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Sig.	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Time	Sphericity Assumed	<.001	.904	255.229	1.000
	Greenhouse-Geisser	<.001	.904	255.229	1.000
	Huynh-Feldt	<.001	.904	255.229	1.000
	Lower-bound	<.001	.904	255.229	1.000
Time * Group	Sphericity Assumed	.669	.029	.817	.109
	Greenhouse-Geisser	.669	.029	.817	.109
	Huynh-Feldt	.669	.029	.817	.109
	Lower-bound	.669	.029	.817	.109
Error(Time)	Sphericity Assumed				
	Greenhouse-Geisser				
	Huynh-Feldt				
	Lower-bound				

- 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	660.708	1	660.708	255.229	<.001
Time * Group	Linear	2.115	2	1.058	.409	.669
Error(Time)	Linear	69.895	27	2.589		

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	Time	Partial Eta Squared	Noncent. Parameter	Observed Power <sup>a</sup>
Time	Linear	.904	255.229	1.000
Time * Group	Linear	.029	.817	.109
Error(Time)	Linear			

a. Computed using alpha = .05

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Levene Statistic	df1	df2	Sig.
iPreInt	Based on Mean	.891	2	27	.422
	Based on Median	.769	2	27	.474
	Based on Median and with adjusted df	.769	2	20.568	.476
	Based on trimmed mean	.906	2	27	.416
iPostInt	Based on Mean	.847	2	27	.440
	Based on Median	.756	2	27	.479
	Based on Median and with adjusted df	.756	2	21.548	.482
	Based on trimmed mean	.785	2	27	.466

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

a. Design: Intercept + Group  
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	3.296	1	3.296	.143	.709	.005
Group	16.026	2	8.013	.347	.710	.025
Error	623.981	27	23.110			

### Tests of Between-Subjects Effects

Measure: MEASURE\_1

Transformed Variable: Average

Source	Noncent. Parameter	Observed Power <sup>a</sup>
Intercept	.143	.065
Group	.693	.100
Error		

a. Computed using alpha = .05

## Estimated Marginal Means

### 1. Group

#### Estimates

Measure: MEASURE\_1

Group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Control	.411	1.075	-1.794	2.617
Western	-.854	1.075	-3.059	1.352
Chinese	-.261	1.075	-2.467	1.945

## Pairwise Comparisons

Measure: MEASURE\_1

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
Control	Western	1.265	1.520	.413	-1.854	4.384
	Chinese	.672	1.520	.662	-2.447	3.792
Western	Control	-1.265	1.520	.413	-4.384	1.854
	Chinese	-.593	1.520	.700	-3.712	2.527
Chinese	Control	-.672	1.520	.662	-3.792	2.447
	Western	.593	1.520	.700	-2.527	3.712

Based on estimated marginal means

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

## Univariate Tests

Measure: MEASURE\_1

	Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Contrast	8.013	2	4.007	.347	.710	.025
Error	311.990	27	11.555			

## Univariate Tests

Measure: MEASURE\_1

	Noncent. Parameter	Observed Power <sup>a</sup>
Contrast	.693	.100
Error		

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

a. Computed using alpha = .05

## 2. Time

### Estimates

Measure: MEASURE\_1

Time	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	-3.553	.641	-4.868	-2.237
2	3.084	.667	1.714	4.454

### Pairwise Comparisons

Measure: MEASURE\_1

(I) Time	(J) Time	Mean Difference (I-J)	Std. Error	Sig. <sup>b</sup>	95% Confidence Interval for Difference <sup>b</sup>	
					Lower Bound	Upper Bound
1	2	-6.637 <sup>*</sup>	.415	<.001	-7.489	-5.784
2	1	6.637 <sup>*</sup>	.415	<.001	5.784	7.489

Based on estimated marginal means

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

b. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

### Multivariate Tests

	Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Pillai's trace	.904	255.229 <sup>a</sup>	1.000	27.000	<.001	.904
Wilks' lambda	.096	255.229 <sup>a</sup>	1.000	27.000	<.001	.904
Hotelling's trace	9.453	255.229 <sup>a</sup>	1.000	27.000	<.001	.904
Roy's largest root	9.453	255.229 <sup>a</sup>	1.000	27.000	<.001	.904

### Multivariate Tests

	Noncent. Parameter	Observed Power <sup>b</sup>
Pillai's trace	255.229	1.000
Wilks' lambda	255.229	1.000
Hotelling's trace	255.229	1.000
Roy's largest root	255.229	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

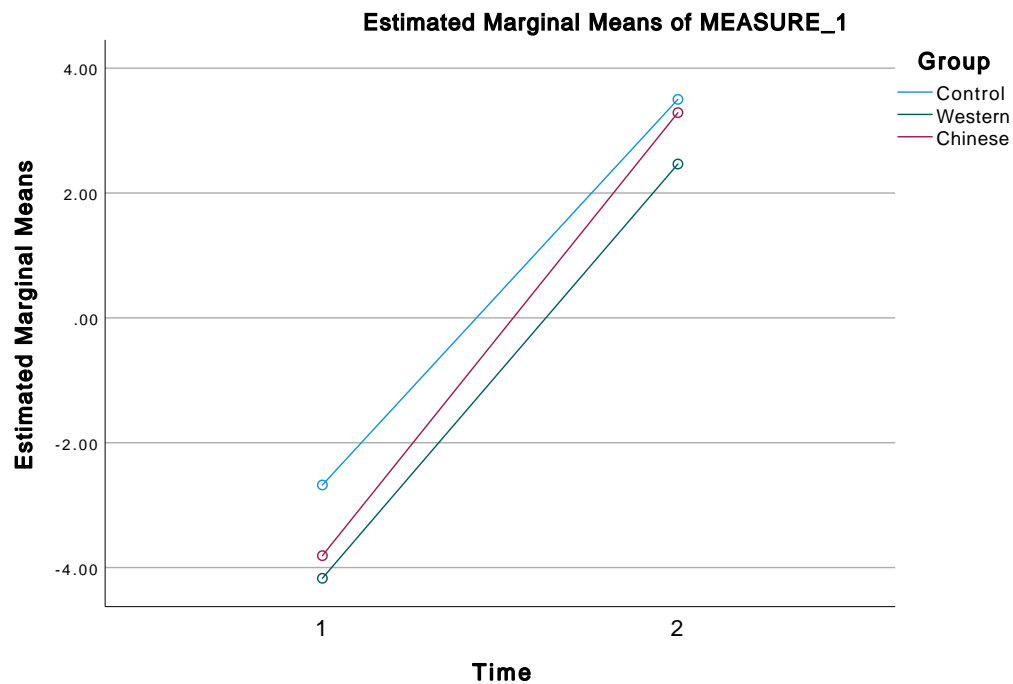
### 3. Group \* Time

Measure: MEASURE\_1

Group	Time	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Control	1	-2.677	1.111	-4.956	-.398
	2	3.500	1.156	1.128	5.872
Western	1	-4.172	1.111	-6.450	-1.893
	2	2.465	1.156	.092	4.837
Chinese	1	-3.809	1.111	-6.088	-1.531
	2	3.287	1.156	.915	5.660



## Profile Plots



## Oneway

[DataSet1] /Users/jonathantang/Documents/University of Sheffield/Research/Arts-Based Study/Data/Analysis - SC/SCShift\_20241101.sav

## Descriptives

		N	Mean	Std. Deviation	Std. Error
Pretest TST Independent	Control	10	14.30	5.438	1.719
	Western	10	13.30	6.165	1.950
	Chinese	10	9.60	4.326	1.368
	Total	30	12.40	5.568	1.017
Pretest TST Interdependent	Control	10	5.10	4.977	1.574
	Western	10	6.40	6.168	1.950
	Chinese	10	9.90	4.771	1.509
	Total	30	7.13	5.551	1.013

### Descriptives

		95% Confidence Interval for Mean			
		Lower Bound	Upper Bound	Minimum	Maximum
Pretest TST Independent	Control	10.41	18.19	4	20
	Western	8.89	17.71	1	20
	Chinese	6.51	12.69	3	16
	Total	10.32	14.48	1	20
Pretest TST Interdependent	Control	1.54	8.66	0	16
	Western	1.99	10.81	0	19
	Chinese	6.49	13.31	4	17
	Total	5.06	9.21	0	19

### Tests of Homogeneity of Variances

		Levene Statistic	df1	df2
Pretest TST Independent	Based on Mean	.720	2	27
	Based on Median	.432	2	27
	Based on Median and with adjusted df	.432	2	23.599
	Based on trimmed mean	.791	2	27
Pretest TST Interdependent	Based on Mean	.569	2	27
	Based on Median	.563	2	27
	Based on Median and with adjusted df	.563	2	25.954
	Based on trimmed mean	.562	2	27

### Tests of Homogeneity of Variances

		Sig.
Pretest TST Independent	Based on Mean	.496
	Based on Median	.654
	Based on Median and with adjusted df	.654
	Based on trimmed mean	.464
Pretest TST Interdependent	Based on Mean	.573
	Based on Median	.576
	Based on Median and with adjusted df	.576
	Based on trimmed mean	.577

### ANOVA

		Sum of Squares	df	Mean Square	F
Pretest TST Independent	Between Groups	122.600	2	61.300	2.131
	Within Groups	776.600	27	28.763	
	Total	899.200	29		
Pretest TST Interdependent	Between Groups	123.267	2	61.633	2.161
	Within Groups	770.200	27	28.526	
	Total	893.467	29		

### ANOVA

		Sig.
Pretest TST Independent	Between Groups	.138
	Within Groups	
	Total	
Pretest TST Interdependent	Between Groups	.135
	Within Groups	
	Total	

### ANOVA Effect Sizes<sup>a,b</sup>

		Point Estimate	95% Confidence Interval	
			Lower	Upper
Pretest TST Independent	Eta-squared	.136	.000	.337
	Epsilon-squared	.072	-.074	.288
	Omega-squared Fixed-effect	.070	-.071	.282
	Omega-squared Random-effect	.036	-.034	.164
Pretest TST Interdependent	Eta-squared	.138	.000	.339
	Epsilon-squared	.074	-.074	.290
	Omega-squared Fixed-effect	.072	-.071	.283
	Omega-squared Random-effect	.037	-.034	.165

a. Eta-squared and Epsilon-squared are estimated based on the fixed-effect model.

b. Negative but less biased estimates are retained, not rounded to zero.

## Post Hoc Tests

## Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.
Pretest TST Independent	Control	Western	1.000	2.398	.909
		Chinese	4.700	2.398	.142
	Western	Control	-1.000	2.398	.909
		Chinese	3.700	2.398	.288
	Chinese	Control	-4.700	2.398	.142
		Western	-3.700	2.398	.288
Pretest TST Interdependent	Control	Western	-1.300	2.389	.850
		Chinese	-4.800	2.389	.129
	Western	Control	1.300	2.389	.850
		Chinese	-3.500	2.389	.323
	Chinese	Control	4.800	2.389	.129
		Western	3.500	2.389	.323

## Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Group	(J) Group	95% Confidence Interval	
			Lower Bound	Upper Bound
Pretest TST Independent	Control	Western	-4.95	6.95
		Chinese	-1.25	10.65
	Western	Control	-6.95	4.95
		Chinese	-2.25	9.65
	Chinese	Control	-10.65	1.25
		Western	-9.65	2.25
Pretest TST Interdependent	Control	Western	-7.22	4.62
		Chinese	-10.72	1.12
	Western	Control	-4.62	7.22
		Chinese	-9.42	2.42
	Chinese	Control	-1.12	10.72
		Western	-2.42	9.42

## Homogeneous Subsets

## Pretest TST Independent

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05
		1
Chinese	10	9.60
Western	10	13.30
Control	10	14.30
Sig.		.142

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

## Pretest TST Interdependent

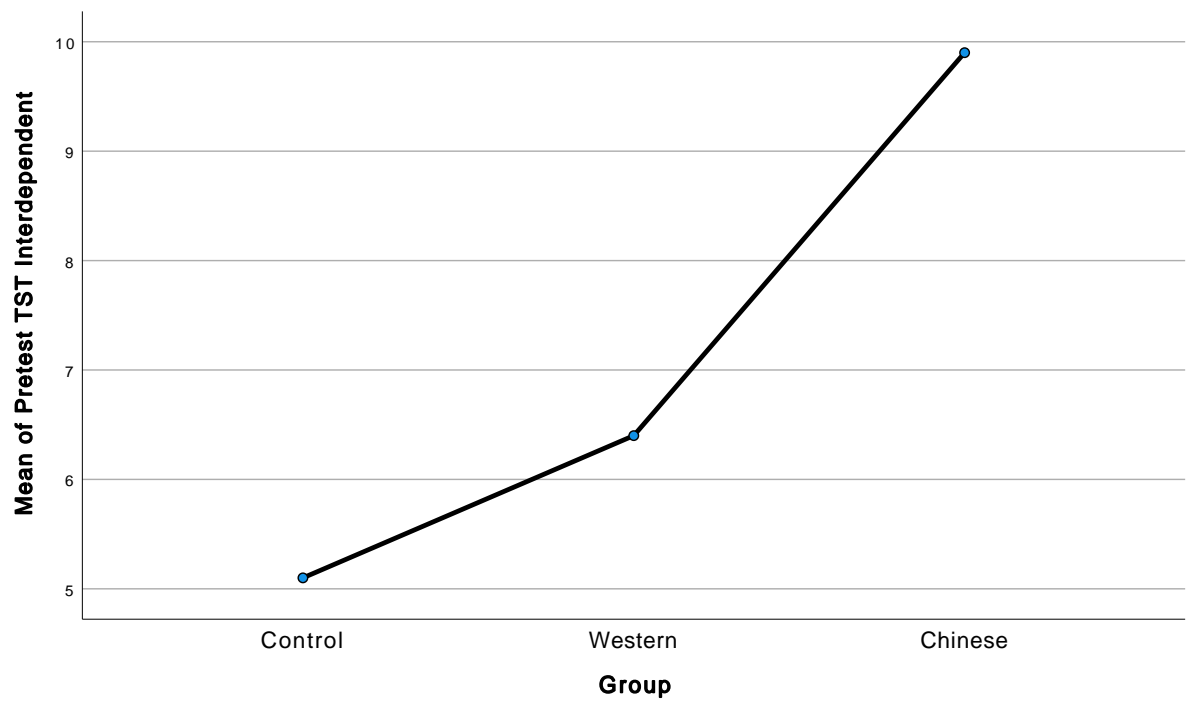
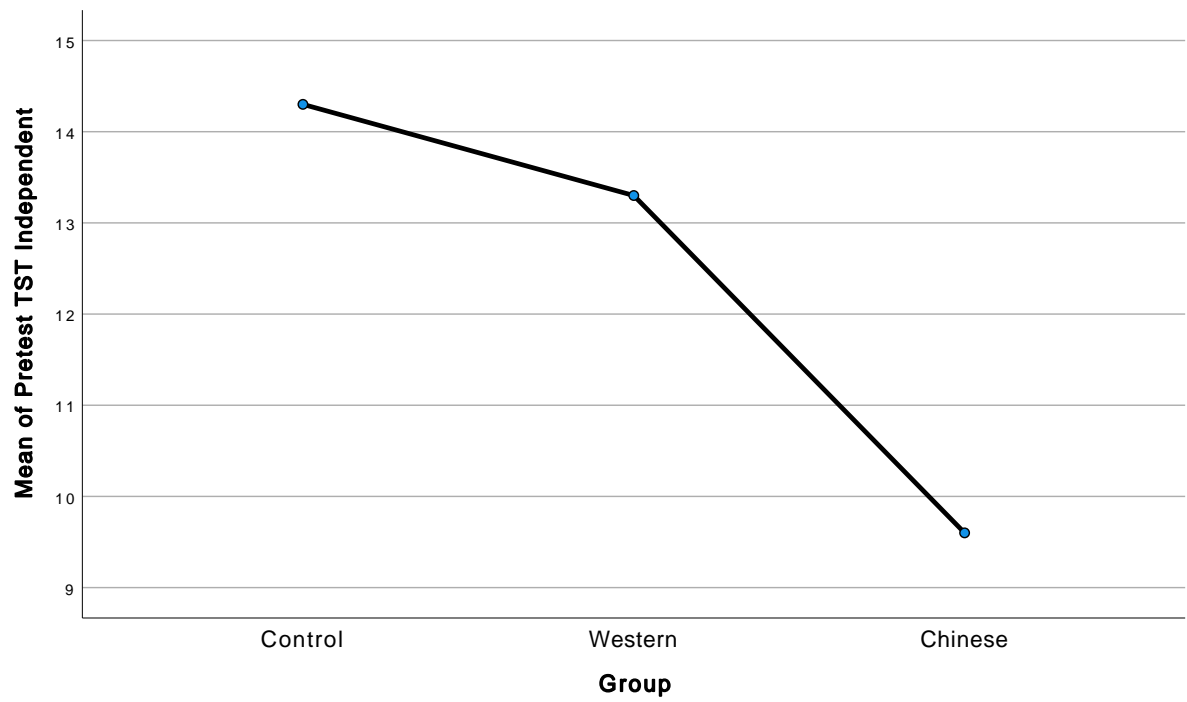
Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05
		1
Control	10	5.10
Western	10	6.40
Chinese	10	9.90
Sig.		.129

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

## Means Plots



Oneway

### Descriptives

		N	Mean	Std. Deviation	Std. Error
Posttest TST Independent	Control	10	13.80	5.287	1.672
	Western	9	14.22	6.457	2.152
	Chinese	10	9.80	5.138	1.625
	Total	29	12.55	5.792	1.075
Posttest TST Interdependent	Control	10	5.00	4.876	1.542
	Western	9	5.67	6.500	2.167
	Chinese	10	9.80	5.138	1.625
	Total	29	6.86	5.743	1.066

### Descriptives

		95% Confidence Interval for Mean			
		Lower Bound	Upper Bound	Minimum	Maximum
Posttest TST Independent	Control	10.02	17.58	4	19
	Western	9.26	19.19	3	20
	Chinese	6.12	13.48	0	19
	Total	10.35	14.75	0	20
Posttest TST Interdependent	Control	1.51	8.49	0	16
	Western	.67	10.66	0	17
	Chinese	6.12	13.48	1	20
	Total	4.68	9.05	0	20

### Tests of Homogeneity of Variances

		Levene Statistic	df1	df2
Posttest TST Independent	Based on Mean	1.042	2	26
	Based on Median	.559	2	26
	Based on Median and with adjusted df	.559	2	25.926
	Based on trimmed mean	.968	2	26
Posttest TST Interdependent	Based on Mean	1.356	2	26
	Based on Median	.729	2	26
	Based on Median and with adjusted df	.729	2	25.191
	Based on trimmed mean	1.300	2	26

### Tests of Homogeneity of Variances

		Sig.
Posttest TST Independent	Based on Mean	.367
	Based on Median	.579
	Based on Median and with adjusted df	.579
	Based on trimmed mean	.393
Posttest TST Interdependent	Based on Mean	.275
	Based on Median	.492
	Based on Median and with adjusted df	.492
	Based on trimmed mean	.290

### ANOVA

		Sum of Squares	df	Mean Square	F
Posttest TST Independent	Between Groups	116.417	2	58.208	1.839
	Within Groups	822.756	26	31.644	
	Total	939.172	28		
Posttest TST Interdependent	Between Groups	133.848	2	66.924	2.204
	Within Groups	789.600	26	30.369	
	Total	923.448	28		

### ANOVA

		Sig.
Posttest TST Independent	Between Groups	.179
	Within Groups	
	Total	
Posttest TST Interdependent	Between Groups	.131
	Within Groups	
	Total	



## ANOVA Effect Sizes<sup>a,b</sup>

			95% Confidence Interval	
Point Estimate			Lower	Upper
Posttest TST Independent	Eta-squared	.124	.000	.326
	Epsilon-squared	.057	-.077	.274
	Omega-squared Fixed-effect	.055	-.074	.267
	Omega-squared Random-effect	.028	-.036	.154
Posttest TST Interdependent	Eta-squared	.145	.000	.350
	Epsilon-squared	.079	-.077	.300
	Omega-squared Fixed-effect	.077	-.074	.293
	Omega-squared Random-effect	.040	-.036	.171

a. Eta-squared and Epsilon-squared are estimated based on the fixed-effect model.

b. Negative but less biased estimates are retained, not rounded to zero.

## Post Hoc Tests

### Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.
Posttest TST Independent	Control	Western	-.422	2.585	.985
		Chinese	4.000	2.516	.268
	Western	Control	.422	2.585	.985
		Chinese	4.422	2.585	.220
	Chinese	Control	-4.000	2.516	.268
		Western	-4.422	2.585	.220
Posttest TST Interdependent	Control	Western	-.667	2.532	.963
		Chinese	-4.800	2.465	.146
	Western	Control	.667	2.532	.963
		Chinese	-4.133	2.532	.250
	Chinese	Control	4.800	2.465	.146
		Western	4.133	2.532	.250

## Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Group	(J) Group	95% Confidence Interval	
			Lower Bound	Upper Bound
Posttest TST Independent	Control	Western	-6.84	6.00
		Chinese	-2.25	10.25
	Western	Control	-6.00	6.84
		Chinese	-2.00	10.84
	Chinese	Control	-10.25	2.25
		Western	-10.84	2.00
Posttest TST Interdependent	Control	Western	-6.96	5.63
		Chinese	-10.92	1.32
	Western	Control	-5.63	6.96
		Chinese	-10.43	2.16
	Chinese	Control	-1.32	10.92
		Western	-2.16	10.43

## Homogeneous Subsets

### Posttest TST Independent

Tukey HSD<sup>a,b</sup>

Group	N	Subset for alpha = 0.05
		1
Chinese	10	9.80
Control	10	13.80
Western	9	14.22
Sig.		.215

Means for groups in homogeneous subsets are displayed.

- Uses Harmonic Mean Sample Size = 9.643.
- The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

## Posttest TST Interdependent

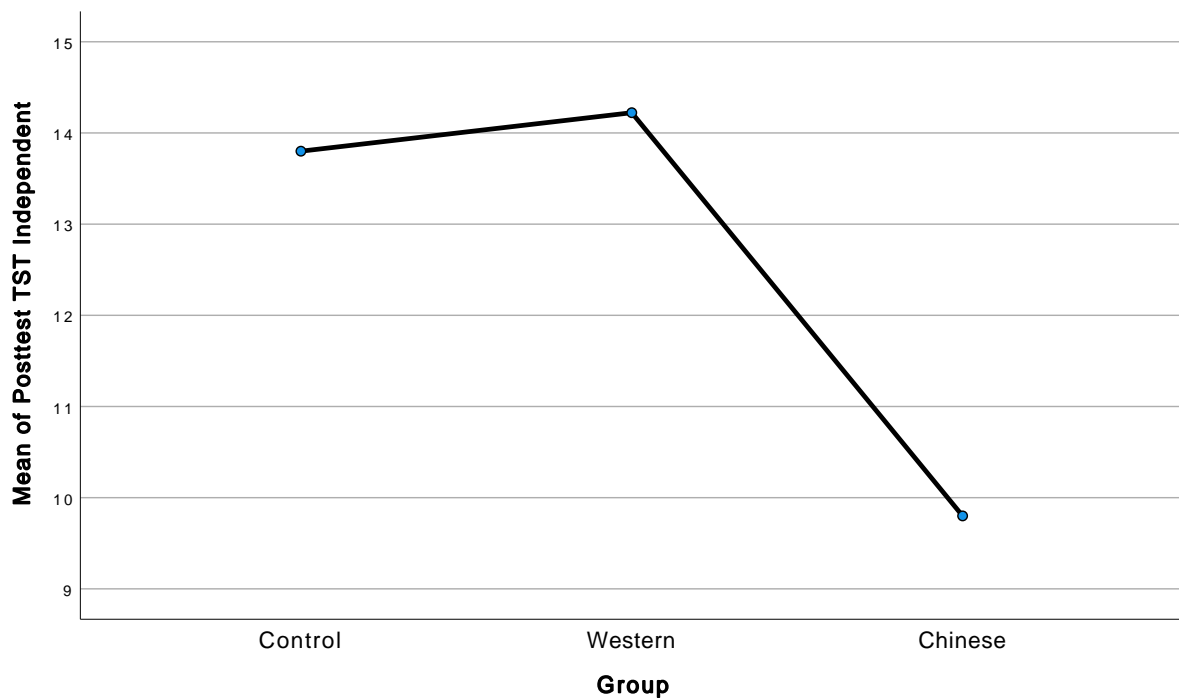
Tukey HSD<sup>a,b</sup>

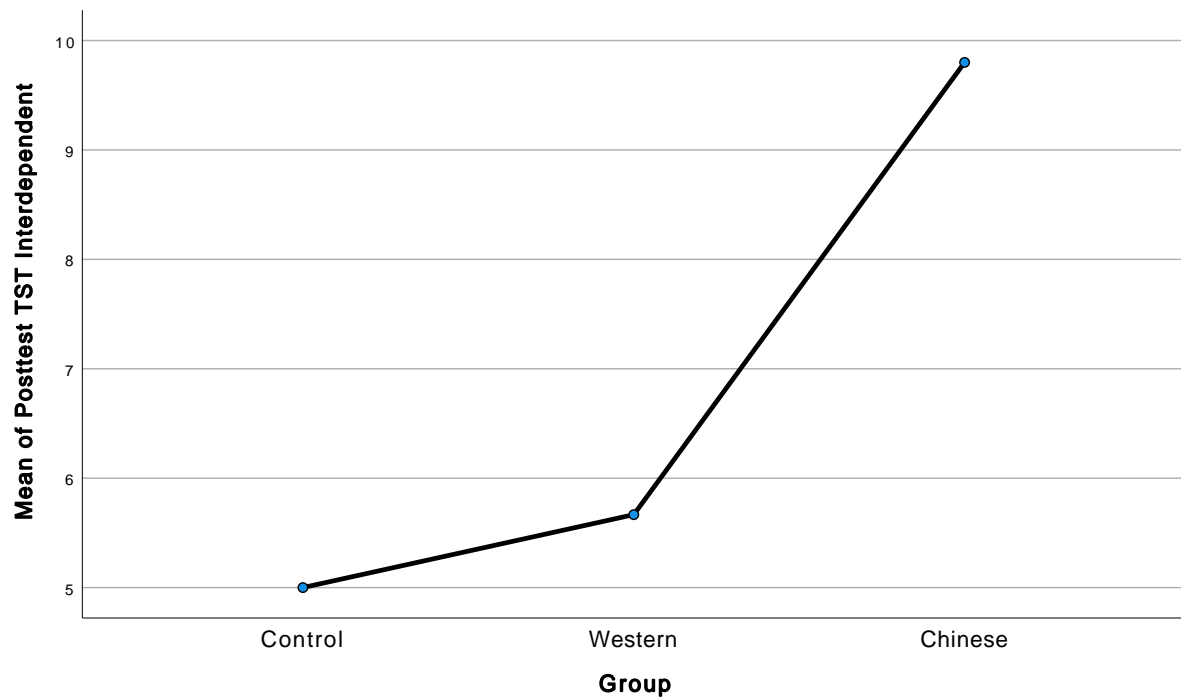
Group	N	Subset for alpha = 0.05 1
Control	10	5.00
Western	9	5.67
Chinese	10	9.80
Sig.		.155

Means for groups in homogeneous subsets are displayed.

- Uses Harmonic Mean Sample Size = 9.643.
- The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

## Means Plots





## Oneway

### Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence ... Lower Bound
iPreDiff	Control	10	.4229	5.08261	1.60726	-3.2130
	Western	10	-2.9719	3.40461	1.07663	-5.4074
	Chinese	10	-1.4594	3.03144	.95863	-3.6279
	Total	30	-1.3361	4.05724	.74075	-2.8511
iPreContain	Control	10	-10.0271	6.63296	2.09752	-14.7720
	Western	10	-13.0719	4.10125	1.29693	-16.0057
	Chinese	10	-9.6594	6.21174	1.96432	-14.1030
	Total	30	-10.9194	5.76789	1.05307	-13.0732
iPreDirect	Control	10	-2.1771	4.25969	1.34703	-5.2243
	Western	10	-1.4719	5.25979	1.66329	-5.2345
	Chinese	10	-.8094	3.01012	.95188	-2.9627
	Total	30	-1.4861	4.16553	.76052	-3.0415
iPreExpress	Control	10	-4.5271	3.35421	1.06069	-6.9265
	Western	10	-2.5219	4.63034	1.46424	-5.8342
	Chinese	10	-5.7594	2.94566	.93150	-7.8666
	Total	30	-4.2694	3.83141	.69952	-5.7001
iPreConsist	Control	10	-7.4271	3.29232	1.04112	-9.7823
	Western	10	-2.7719	5.41129	1.71120	-6.6429
	Chinese	10	-3.8094	3.36797	1.06505	-6.2187
	Total	30	-4.6694	4.48227	.81835	-6.3432

### Descriptives

		95% Confidence Interval for...		
		Upper Bound	Minimum	Maximum
iPreDiff	Control	4.0588	-6.78	8.73
	Western	-.5364	-8.56	4.01
	Chinese	.7092	-4.35	3.85
	Total	.1789	-8.56	8.73
iPreContain	Control	-5.2822	-17.23	-1.27
	Western	-10.1380	-18.91	-6.49
	Chinese	-5.2158	-20.35	-1.00
	Total	-8.7657	-20.35	-1.00
iPreDirect	Control	.8701	-8.54	6.73
	Western	2.2908	-12.91	4.51
	Chinese	1.3439	-5.10	2.98
	Total	.0693	-12.91	6.73
iPreExpress	Control	-2.1276	-10.23	2.23
	Western	.7905	-8.56	5.01
	Chinese	-3.6522	-11.56	-.52
	Total	-2.8388	-11.56	5.01
iPreConsist	Control	-5.0719	-13.27	-3.28
	Western	1.0991	-9.56	8.59
	Chinese	-1.4001	-10.65	1.50
	Total	-2.9957	-13.27	8.59

### Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence ... Lower Bound
iPreContext	Control	10	.0229	4.71488	1.49098	-3.3499
	Western	10	-2.8219	3.98103	1.25891	-5.6697
	Chinese	10	-1.6094	4.94448	1.56358	-5.1464
	Total	30	-1.4694	4.56183	.83287	-3.1729
iPreRely	Control	10	.8729	4.58584	1.45017	-2.4076
	Western	10	.3781	4.09373	1.29455	-2.5503
	Chinese	10	-.5094	3.86196	1.22126	-3.2721
	Total	30	.2472	4.08589	.74598	-1.2785
iPreInt	Control	10	-2.6771	3.75713	1.18811	-5.3648
	Western	10	-4.1719	3.87333	1.22485	-6.9427
	Chinese	10	-3.8094	2.80697	.88764	-5.8174
	Total	30	-3.5528	3.44984	.62985	-4.8410

## Descriptives

		95% Confidence Interval for...		
		Upper Bound	Minimum	Maximum
iPreContext	Control	3.3957	-6.04	8.73
	Western	.0260	-8.81	2.96
	Chinese	1.9277	-9.85	4.98
	Total	.2340	-9.85	8.73
iPreRely	Control	4.1534	-6.54	8.73
	Western	3.3066	-5.06	5.96
	Chinese	2.2533	-5.00	5.44
	Total	1.7729	-6.54	8.73
iPreInt	Control	.0106	-6.28	7.23
	Western	-1.4011	-9.41	.51
	Chinese	-1.8014	-8.35	1.33
	Total	-2.2646	-9.41	7.23

## Tests of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
iPreDiff	Based on Mean	1.782	2	27	.188
	Based on Median	.911	2	27	.414
	Based on Median and with adjusted df	.911	2	22.059	.417
	Based on trimmed mean	1.730	2	27	.196
iPreContain	Based on Mean	2.657	2	27	.088
	Based on Median	1.521	2	27	.237
	Based on Median and with adjusted df	1.521	2	22.639	.240
	Based on trimmed mean	2.612	2	27	.092
iPreDirect	Based on Mean	.409	2	27	.668
	Based on Median	.301	2	27	.742
	Based on Median and with adjusted df	.301	2	20.639	.743
	Based on trimmed mean	.307	2	27	.738
iPreExpress	Based on Mean	1.248	2	27	.303
	Based on Median	1.205	2	27	.315
	Based on Median and with adjusted df	1.205	2	25.933	.316
	Based on trimmed mean	1.254	2	27	.301
iPreConsist	Based on Mean	1.039	2	27	.367
	Based on Median	.601	2	27	.555

### Tests of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
	Based on Median and with adjusted df	.601	2	18.961	.558
	Based on trimmed mean	.956	2	27	.397
iPreContext	Based on Mean	.380	2	27	.688
	Based on Median	.102	2	27	.903
	Based on Median and with adjusted df	.102	2	22.886	.903
	Based on trimmed mean	.367	2	27	.696
iPreRely	Based on Mean	.070	2	27	.932
	Based on Median	.006	2	27	.994
	Based on Median and with adjusted df	.006	2	21.909	.994
	Based on trimmed mean	.065	2	27	.937
iPreInt	Based on Mean	.891	2	27	.422
	Based on Median	.769	2	27	.474
	Based on Median and with adjusted df	.769	2	20.568	.476
	Based on trimmed mean	.906	2	27	.416

## ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
iPreDiff	Between Groups	57.851	2	28.925	1.862	.175
	Within Groups	419.525	27	15.538		
	Total	477.376	29			
iPreContain	Between Groups	70.170	2	35.085	1.059	.361
	Within Groups	894.619	27	33.134		
	Total	964.789	29			
iPreDirect	Between Groups	9.356	2	4.678	.256	.776
	Within Groups	493.841	27	18.290		
	Total	503.197	29			
iPreExpress	Between Groups	53.403	2	26.701	1.936	.164
	Within Groups	372.309	27	13.789		
	Total	425.712	29			
iPreConsist	Between Groups	119.451	2	59.725	3.482	.045
	Within Groups	463.182	27	17.155		
	Total	582.633	29			
iPreContext	Between Groups	40.758	2	20.379	.978	.389
	Within Groups	562.739	27	20.842		
	Total	603.497	29			
iPreRely	Between Groups	9.811	2	4.905	.279	.759
	Within Groups	474.329	27	17.568		
	Total	484.140	29			
iPreInt	Between Groups	12.160	2	6.080	.493	.616
	Within Groups	332.980	27	12.333		
	Total	345.140	29			



### ANOVA Effect Sizes<sup>a,b</sup>

			95% Confidence Interval	
		Point Estimate	Lower	Upper
iPreDiff	Eta-squared	.121	.000	.320
	Epsilon-squared	.056	-.074	.269
	Omega-squared Fixed-effect	.054	-.071	.263
	Omega-squared Random-effect	.028	-.034	.151
iPreContain	Eta-squared	.073	.000	.255
	Epsilon-squared	.004	-.074	.200
	Omega-squared Fixed-effect	.004	-.071	.195
	Omega-squared Random-effect	.002	-.034	.108
iPreDirect	Eta-squared	.019	.000	.143
	Epsilon-squared	-.054	-.074	.080
	Omega-squared Fixed-effect	-.052	-.071	.077
	Omega-squared Random-effect	-.025	-.034	.040
iPreExpress	Eta-squared	.125	.000	.325
	Epsilon-squared	.061	-.074	.275
	Omega-squared Fixed-effect	.059	-.071	.268
	Omega-squared Random-effect	.030	-.034	.155
iPreConsist	Eta-squared	.205	.000	.409
	Epsilon-squared	.146	-.074	.365
	Omega-squared Fixed-effect	.142	-.071	.358
	Omega-squared Random-effect	.076	-.034	.218
iPreContext	Eta-squared	.068	.000	.247
	Epsilon-squared	-.002	-.074	.192
	Omega-squared Fixed-effect	-.001	-.071	.187
	Omega-squared Random-effect	-.001	-.034	.103
iPreRely	Eta-squared	.020	.000	.149
	Epsilon-squared	-.052	-.074	.086
	Omega-squared Fixed-effect	-.050	-.071	.083
	Omega-squared Random-effect	-.025	-.034	.043
iPreInt	Eta-squared	.035	.000	.188
	Epsilon-squared	-.036	-.074	.128

## ANOVA Effect Sizes<sup>a,b</sup>

		Point Estimate	95% Confidence Interval	
			Lower	Upper
	Omega-squared Fixed-effect	-.035	-.071	.125
	Omega-squared Random-effect	-.017	-.034	.066

a. Eta-squared and Epsilon-squared are estimated based on the fixed-effect model.

b. Negative but less biased estimates are retained, not rounded to zero.

## Post Hoc Tests

### Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.
iPreDiff	Control	Western	3.39479	1.76284	.151
		Chinese	1.88229	1.76284	.542
	Western	Control	-3.39479	1.76284	.151
		Chinese	-1.51250	1.76284	.671
	Chinese	Control	-1.88229	1.76284	.542
		Western	1.51250	1.76284	.671
iPreContain	Control	Western	3.04479	2.57426	.473
		Chinese	-.36771	2.57426	.989
	Western	Control	-3.04479	2.57426	.473
		Chinese	-3.41250	2.57426	.394
	Chinese	Control	.36771	2.57426	.989
		Western	3.41250	2.57426	.394
iPreDirect	Control	Western	-.70521	1.91261	.928
		Chinese	-1.36771	1.91261	.757
	Western	Control	.70521	1.91261	.928
		Chinese	-.66250	1.91261	.936
	Chinese	Control	1.36771	1.91261	.757
		Western	.66250	1.91261	.936
iPreExpress	Control	Western	-2.00521	1.66068	.459
		Chinese	1.23229	1.66068	.741
	Western	Control	2.00521	1.66068	.459
		Chinese	3.23750	1.66068	.144
	Chinese	Control	-1.23229	1.66068	.741
		Western	-3.23750	1.66068	.144
iPreConsist	Control	Western	-4.65521 *	1.85229	.046
		Chinese	-3.61771	1.85229	.143

## Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Group	(J) Group	95% Confidence Interval	
			Lower Bound	Upper Bound
iPreDiff	Control	Western	-.9760	7.7656
		Chinese	-2.4885	6.2531
	Western	Control	-7.7656	.9760
		Chinese	-5.8833	2.8583
	Chinese	Control	-6.2531	2.4885
		Western	-2.8583	5.8833
iPreContain	Control	Western	-3.3379	9.4275
		Chinese	-6.7504	6.0150
	Western	Control	-9.4275	3.3379
		Chinese	-9.7952	2.9702
	Chinese	Control	-6.0150	6.7504
		Western	-2.9702	9.7952
iPreDirect	Control	Western	-5.4474	4.0370
		Chinese	-6.1099	3.3745
	Western	Control	-4.0370	5.4474
		Chinese	-5.4047	4.0797
	Chinese	Control	-3.3745	6.1099
		Western	-4.0797	5.4047
iPreExpress	Control	Western	-6.1227	2.1123
		Chinese	-2.8852	5.3498
	Western	Control	-2.1123	6.1227
		Chinese	-.8800	7.3550
	Chinese	Control	-5.3498	2.8852
		Western	-7.3550	.8800
iPreConsist	Control	Western	-9.2478	-.0626
		Chinese	-8.2103	.9749

## Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.
	Western	Control	4.65521 *	1.85229	.046
		Chinese	1.03750	1.85229	.842
	Chinese	Control	3.61771	1.85229	.143
		Western	-1.03750	1.85229	.842
iPreContext	Control	Western	2.84479	2.04168	.358
		Chinese	1.63229	2.04168	.707
	Western	Control	-2.84479	2.04168	.358
		Chinese	-1.21250	2.04168	.825
	Chinese	Control	-1.63229	2.04168	.707
		Western	1.21250	2.04168	.825
iPreRely	Control	Western	.49479	1.87445	.962
		Chinese	1.38229	1.87445	.744
	Western	Control	-.49479	1.87445	.962
		Chinese	.88750	1.87445	.884
	Chinese	Control	-1.38229	1.87445	.744
		Western	-.88750	1.87445	.884
iPreInt	Control	Western	1.49479	1.57052	.613
		Chinese	1.13229	1.57052	.753
	Western	Control	-1.49479	1.57052	.613
		Chinese	-.36250	1.57052	.971
	Chinese	Control	-1.13229	1.57052	.753
		Western	.36250	1.57052	.971

## Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Group	(J) Group	95% Confidence Interval	
			Lower Bound	Upper Bound
iPreContext	Western	Control	.0626	9.2478
		Chinese	-3.5551	5.6301
	Chinese	Control	-.9749	8.2103
		Western	-5.6301	3.5551
	Control	Western	-2.2174	7.9070
		Chinese	-3.4299	6.6945
	Western	Control	-7.9070	2.2174
		Chinese	-6.2747	3.8497
iPreRely	Control	Western	-4.1527	5.1423
		Chinese	-3.2652	6.0298
	Western	Control	-5.1423	4.1527
		Chinese	-3.7600	5.5350
	Chinese	Control	-6.0298	3.2652
		Western	-5.5350	3.7600
iPreInt	Control	Western	-2.3992	5.3888
		Chinese	-2.7617	5.0263
	Western	Control	-5.3888	2.3992
		Chinese	-4.2565	3.5315
	Chinese	Control	-5.0263	2.7617
		Western	-3.5315	4.2565

\*. The mean difference is significant at the 0.05 level.

## Homogeneous Subsets

### iPreDiff

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05
		1
Western	10	-2.9719
Chinese	10	-1.4594
Control	10	.4229
Sig.		.151

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

### iPreContain

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05
		1
Western	10	-13.0719
Control	10	-10.0271
Chinese	10	-9.6594
Sig.		.394

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

### iPreDirect

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05
		1
Control	10	-2.1771
Western	10	-1.4719
Chinese	10	-.8094
Sig.		.757

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

### iPreExpress

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05
		1
Chinese	10	-5.7594
Control	10	-4.5271
Western	10	-2.5219
Sig.		.144

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

### iPreConsist

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05	
		1	2
Control	10	-7.4271	
Chinese	10	-3.8094	-3.8094
Western	10		-2.7719
Sig.		.143	.842

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

### iPreContext

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05
		1
Western	10	-2.8219
Chinese	10	-1.6094
Control	10	.0229
Sig.		.358

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

### iPreRely

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05
		1
Chinese	10	-.5094
Western	10	.3781
Control	10	.8729
Sig.		.744

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

### iPreInt

Tukey HSD<sup>a</sup>

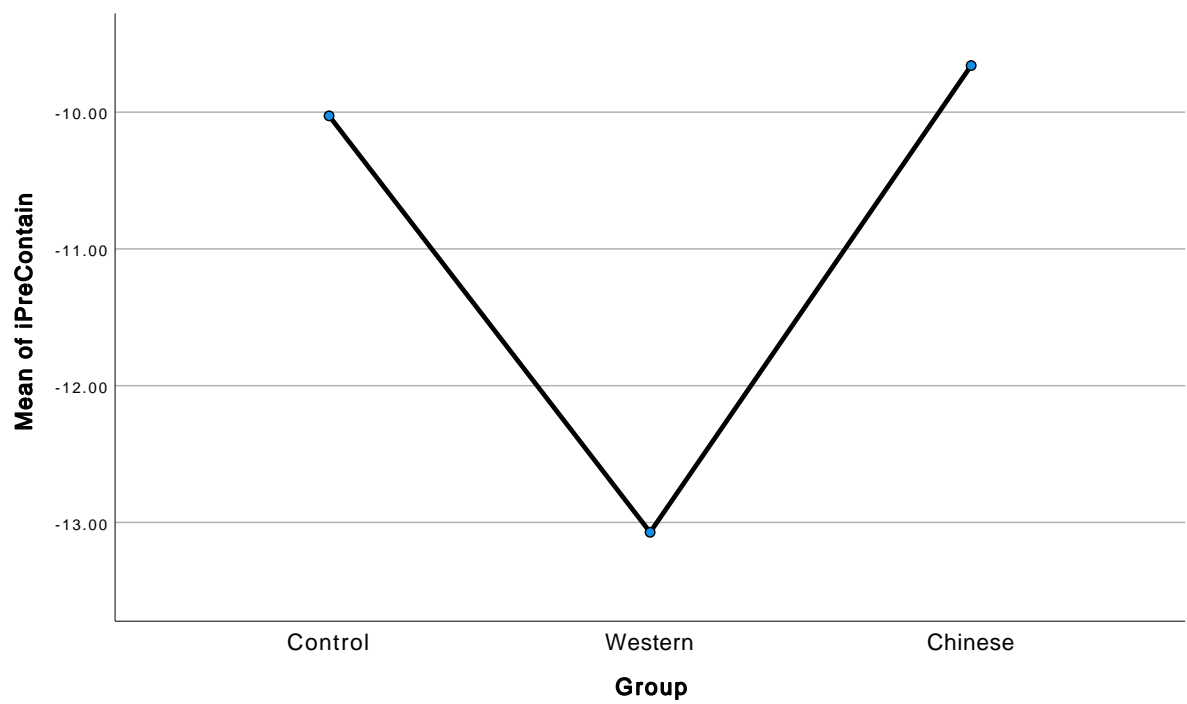
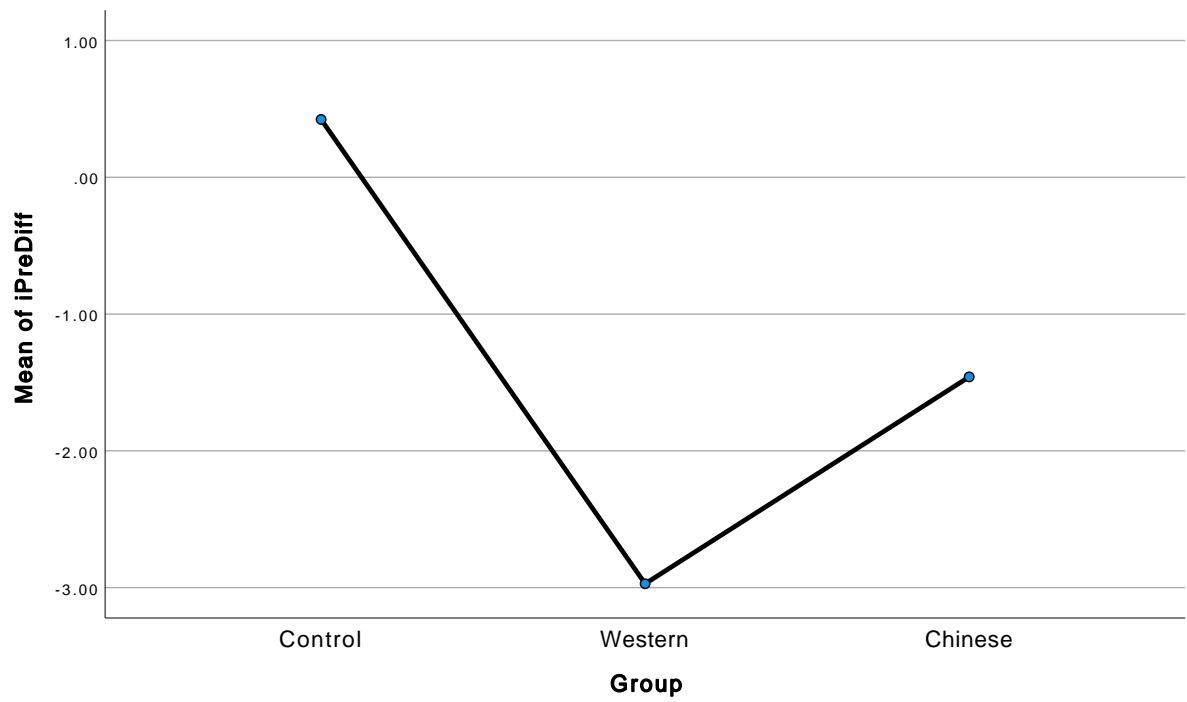
Group	N	Subset for alpha = 0.05
		1
Western	10	-4.1719
Chinese	10	-3.8094
Control	10	-2.6771
Sig.		.613

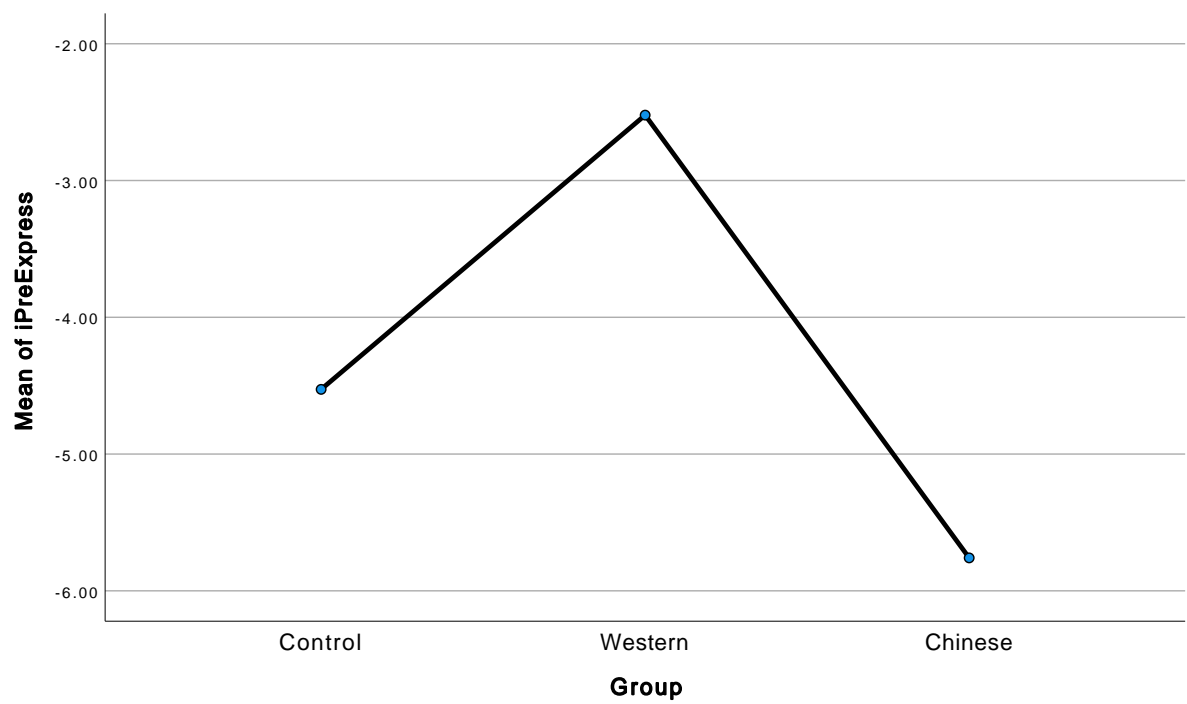
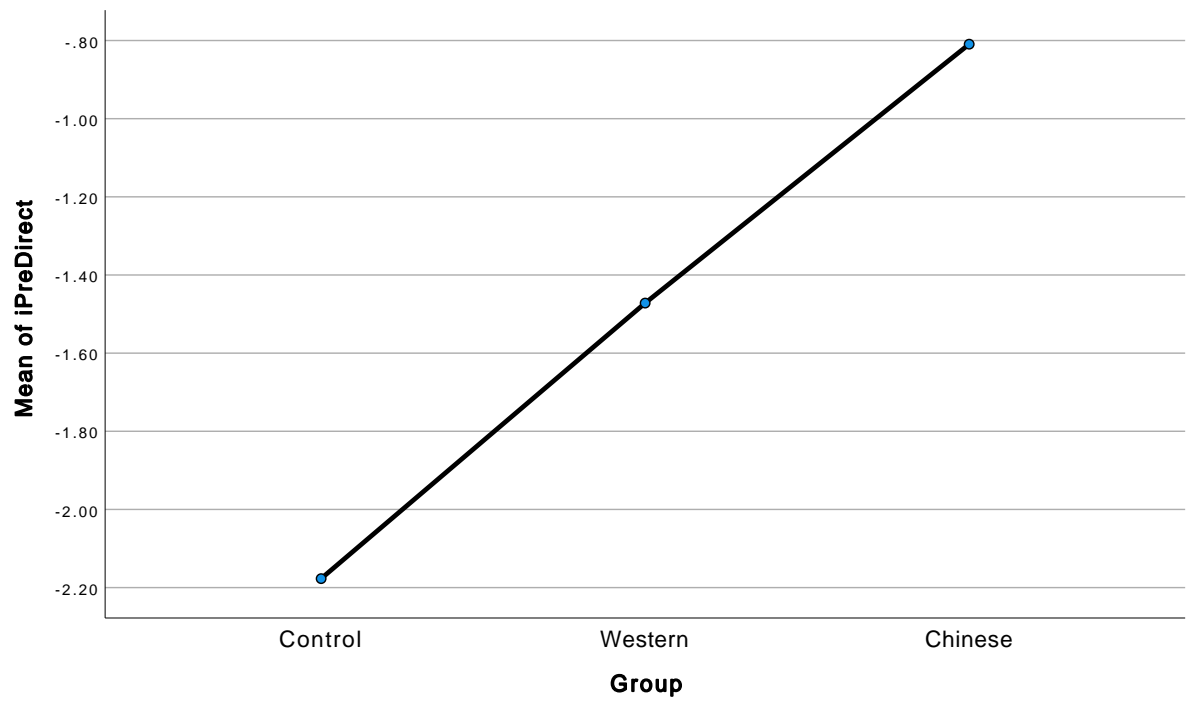
Means for groups in homogeneous subsets are displayed.

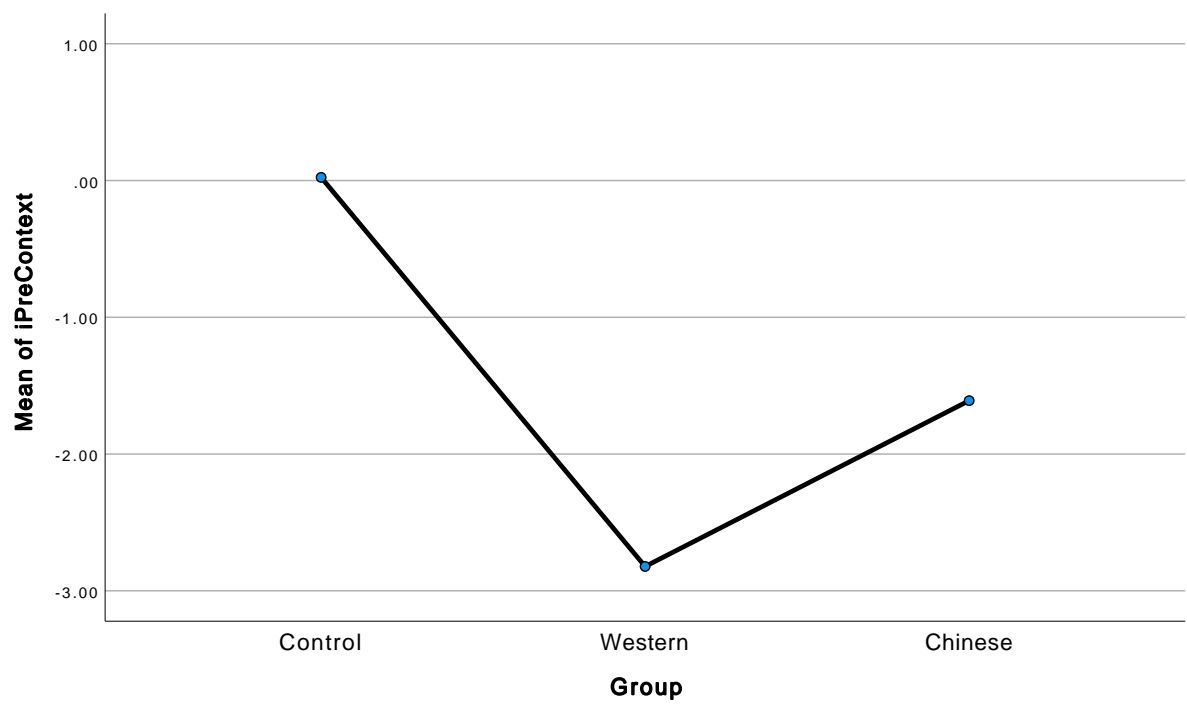
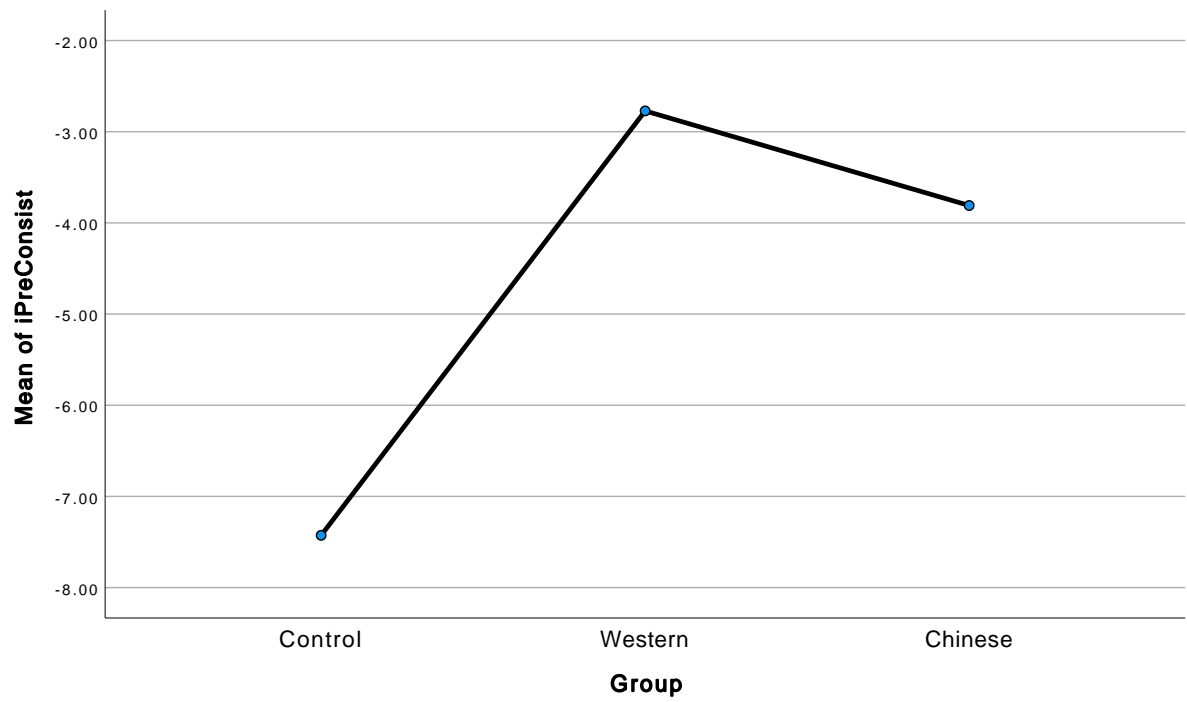
a. Uses Harmonic Mean Sample Size = 10.000.

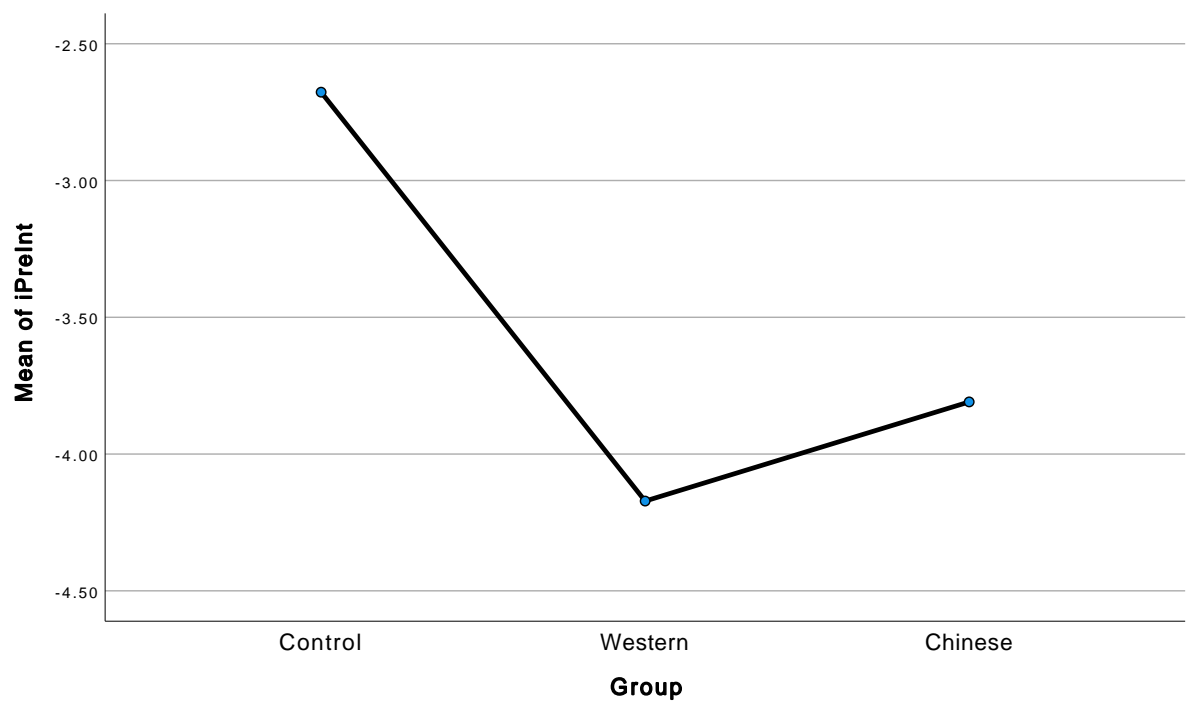
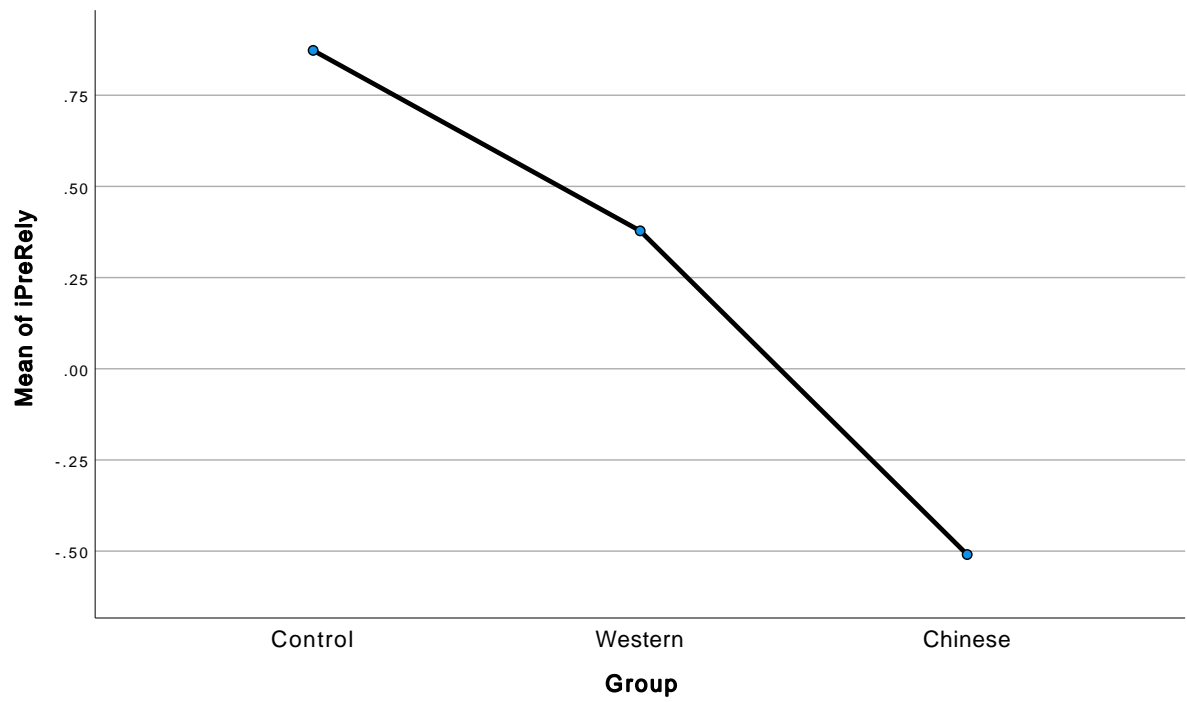
## Means Plots











**Oneway**

## Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence ... Lower Bound
iPostDiff	Control	10	-.3500	5.28019	1.66974	-4.1272
	Western	10	-3.3646	5.10443	1.61416	-7.0161
	Chinese	10	-1.8375	2.76835	.87543	-3.8179
	Total	30	-1.8507	4.54797	.83034	-3.5489
iPostContain	Control	10	-9.0500	6.65119	2.10329	-13.8080
	Western	10	-11.4146	3.53575	1.11810	-13.9439
	Chinese	10	-10.7875	4.06850	1.28657	-13.6979
	Total	30	-10.4174	4.87656	.89033	-12.2383
iPostDirect	Control	10	-1.1500	4.87229	1.54075	-4.6354
	Western	10	-.4646	3.79451	1.19993	-3.1790
	Chinese	10	.1125	2.02750	.64115	-1.3379
	Total	30	-.5007	3.65883	.66801	-1.8669
iPostExpress	Control	10	-4.2500	4.10190	1.29714	-7.1843
	Western	10	-3.1146	2.78195	.87973	-5.1047
	Chinese	10	-5.8375	3.15449	.99754	-8.0941
	Total	30	-4.4007	3.46436	.63250	-5.6943
iPostConsist	Control	10	-2.5000	4.36942	1.38173	-5.6257
	Western	10	2.6646	5.21409	1.64884	-1.0653
	Chinese	10	2.4375	4.39804	1.39078	-.7087
	Total	30	.8674	5.12242	.93522	-1.0454
iPostContext	Control	10	-.4500	4.55114	1.43920	-3.7057
	Western	10	-.8646	5.40123	1.70802	-4.7284
	Chinese	10	-.9375	4.92726	1.55814	-4.4622
	Total	30	-.7507	4.80251	.87681	-2.5440
iPostRely	Control	10	1.6500	5.27296	1.66746	-2.1220
	Western	10	1.1354	4.05570	1.28253	-1.7659
	Chinese	10	.8125	2.87371	.90875	-1.2432
	Total	30	1.1993	4.05211	.73981	-.3138
iPostInt	Control	10	3.5000	4.51339	1.42726	.2713
	Western	10	2.4646	3.31996	1.04986	.0896
	Chinese	10	3.2875	2.95070	.93309	1.1767
	Total	30	3.0840	3.55681	.64938	1.7559

## Descriptives

		95% Confidence Interval for ...		
		Upper Bound	Minimum	Maximum
iPostDiff	Control	3.4272	-9.86	9.00
	Western	.2869	-10.53	4.72
	Chinese	.1429	-7.37	2.95
	Total	-.1525	-10.53	9.00
iPostContain	Control	-4.2920	-18.23	3.00
	Western	-8.8853	-17.83	-5.26
	Chinese	-7.8771	-16.77	-3.71
	Total	-8.5964	-18.23	3.00
iPostDirect	Control	2.3354	-9.23	7.50
	Western	2.2498	-5.79	5.72
	Chinese	1.5629	-3.27	2.47
	Total	.8655	-9.23	7.50
iPostExpress	Control	-1.3157	-10.23	2.00
	Western	-1.1245	-6.79	1.96
	Chinese	-3.5809	-11.50	-1.21
	Total	-3.1071	-11.50	2.00
iPostConsist	Control	.6257	-8.64	3.28
	Western	6.3945	-3.71	13.03
	Chinese	5.5837	-5.23	7.21
	Total	2.7801	-8.64	13.03
iPostContext	Control	2.8057	-4.47	8.50
	Western	2.9992	-11.83	5.72
	Chinese	2.5872	-8.92	5.13
	Total	1.0426	-11.83	8.50
iPostRely	Control	5.4220	-8.98	7.50
	Western	4.0367	-5.33	6.97
	Chinese	2.8682	-3.77	6.50
	Total	2.7124	-8.98	7.50
iPostInt	Control	6.7287	-2.14	12.00
	Western	4.8395	-1.86	8.28
	Chinese	5.3983	-.73	7.88
	Total	4.4122	-2.14	12.00

### Tests of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
iPostDiff	Based on Mean	2.437	2	27	.106
	Based on Median	1.818	2	27	.182
	Based on Median and with adjusted df	1.818	2	23.918	.184
	Based on trimmed mean	2.423	2	27	.108
iPostContain	Based on Mean	1.698	2	27	.202
	Based on Median	1.567	2	27	.227
	Based on Median and with adjusted df	1.567	2	20.587	.233
	Based on trimmed mean	1.631	2	27	.214
iPostDirect	Based on Mean	1.743	2	27	.194
	Based on Median	1.617	2	27	.217
	Based on Median and with adjusted df	1.617	2	17.079	.227
	Based on trimmed mean	1.756	2	27	.192
iPostExpress	Based on Mean	1.211	2	27	.314
	Based on Median	1.165	2	27	.327
	Based on Median and with adjusted df	1.165	2	26.911	.327
	Based on trimmed mean	1.217	2	27	.312
iPostConsist	Based on Mean	.026	2	27	.975
	Based on Median	.054	2	27	.947
	Based on Median and with adjusted df	.054	2	26.549	.947
	Based on trimmed mean	.043	2	27	.958
iPostContext	Based on Mean	.110	2	27	.896
	Based on Median	.224	2	27	.801
	Based on Median and with adjusted df	.224	2	24.508	.801
	Based on trimmed mean	.122	2	27	.885
iPostRely	Based on Mean	1.641	2	27	.213
	Based on Median	.821	2	27	.451
	Based on Median and with adjusted df	.821	2	17.388	.456
	Based on trimmed mean	1.507	2	27	.240
iPostInt	Based on Mean	.847	2	27	.440
	Based on Median	.756	2	27	.479

### Tests of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
Based on Median and with adjusted df	.756	2	21.548	.482
Based on trimmed mean	.785	2	27	.466

### ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
iPostDiff	Between Groups	45.441	2	22.721	1.107	.345
	Within Groups	554.395	27	20.533		
	Total	599.836	29			
iPostContain	Between Groups	30.011	2	15.006	.614	.548
	Within Groups	659.633	27	24.431		
	Total	689.644	29			
iPostDirect	Between Groups	7.989	2	3.995	.284	.755
	Within Groups	380.235	27	14.083		
	Total	388.224	29			
iPostExpress	Between Groups	37.412	2	18.706	1.626	.215
	Within Groups	310.641	27	11.505		
	Total	348.053	29			
iPostConsist	Between Groups	170.345	2	85.172	3.894	.033
	Within Groups	590.591	27	21.874		
	Total	760.936	29			
iPostContext	Between Groups	1.383	2	.691	.028	.972
	Within Groups	667.476	27	24.721		
	Total	668.859	29			
iPostRely	Between Groups	3.568	2	1.784	.102	.903
	Within Groups	472.599	27	17.504		
	Total	476.167	29			
iPostInt	Between Groups	5.981	2	2.991	.224	.801
	Within Groups	360.895	27	13.366		
	Total	366.877	29			



### ANOVA Effect Sizes<sup>a,b</sup>

			95% Confidence Interval	
		Point Estimate	Lower	Upper
iPostDiff	Eta-squared	.076	.000	.260
	Epsilon-squared	.007	-.074	.205
	Omega-squared Fixed-effect	.007	-.071	.200
	Omega-squared Random-effect	.004	-.034	.111
iPostContain	Eta-squared	.044	.000	.206
	Epsilon-squared	-.027	-.074	.147
	Omega-squared Fixed-effect	-.026	-.071	.143
	Omega-squared Random-effect	-.013	-.034	.077
iPostDirect	Eta-squared	.021	.000	.150
	Epsilon-squared	-.052	-.074	.087
	Omega-squared Fixed-effect	-.050	-.071	.084
	Omega-squared Random-effect	-.024	-.034	.044
iPostExpress	Eta-squared	.107	.000	.303
	Epsilon-squared	.041	-.074	.251
	Omega-squared Fixed-effect	.040	-.071	.245
	Omega-squared Random-effect	.020	-.034	.140
iPostConsist	Eta-squared	.224	.000	.427
	Epsilon-squared	.166	-.074	.385
	Omega-squared Fixed-effect	.162	-.071	.377
	Omega-squared Random-effect	.088	-.034	.232
iPostContext	Eta-squared	.002	.000	.007
	Epsilon-squared	-.072	-.074	-.067
	Omega-squared Fixed-effect	-.069	-.071	-.065
	Omega-squared Random-effect	-.033	-.034	-.031
iPostRely	Eta-squared	.007	.000	.087
	Epsilon-squared	-.066	-.074	.019
	Omega-squared Fixed-effect	-.064	-.071	.019
	Omega-squared Random-effect	-.031	-.034	.009
iPostInt	Eta-squared	.016	.000	.135
	Epsilon-squared	-.057	-.074	.070

### ANOVA Effect Sizes<sup>a,b</sup>

		Point Estimate	95% Confidence Interval	
			Lower	Upper
	Omega-squared Fixed-effect	-.055	-.071	.068
	Omega-squared Random-effect	-.027	-.034	.035

a. Eta-squared and Epsilon-squared are estimated based on the fixed-effect model.

b. Negative but less biased estimates are retained, not rounded to zero.

## Post Hoc Tests

### Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.
iPostDiff	Control	Western	3.01458	2.02648	.313
		Chinese	1.48750	2.02648	.746
	Western	Control	-3.01458	2.02648	.313
		Chinese	-1.52708	2.02648	.734
	Chinese	Control	-1.48750	2.02648	.746
		Western	1.52708	2.02648	.734
iPostContain	Control	Western	2.36458	2.21047	.541
		Chinese	1.73750	2.21047	.715
	Western	Control	-2.36458	2.21047	.541
		Chinese	-.62708	2.21047	.957
	Chinese	Control	-1.73750	2.21047	.715
		Western	.62708	2.21047	.957
iPostDirect	Control	Western	-.68542	1.67826	.912
		Chinese	-1.26250	1.67826	.735
	Western	Control	.68542	1.67826	.912
		Chinese	-.57708	1.67826	.937
	Chinese	Control	1.26250	1.67826	.735
		Western	.57708	1.67826	.937
iPostExpress	Control	Western	-1.13542	1.51692	.737
		Chinese	1.58750	1.51692	.555
	Western	Control	1.13542	1.51692	.737
		Chinese	2.72292	1.51692	.190
	Chinese	Control	-1.58750	1.51692	.555
		Western	-2.72292	1.51692	.190
iPostConsist	Control	Western	-5.16458	2.09159	.051
		Chinese	-4.93750	2.09159	.064

## Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Group	(J) Group	95% Confidence Interval	
			Lower Bound	Upper Bound
iPostDiff	Control	Western	-2.0099	8.0391
		Chinese	-3.5370	6.5120
	Western	Control	-8.0391	2.0099
		Chinese	-6.5516	3.4974
	Chinese	Control	-6.5120	3.5370
		Western	-3.4974	6.5516
iPostContain	Control	Western	-3.1161	7.8453
		Chinese	-3.7432	7.2182
	Western	Control	-7.8453	3.1161
		Chinese	-6.1078	4.8536
	Chinese	Control	-7.2182	3.7432
		Western	-4.8536	6.1078
iPostDirect	Control	Western	-4.8465	3.4757
		Chinese	-5.4236	2.8986
	Western	Control	-3.4757	4.8465
		Chinese	-4.7382	3.5840
	Chinese	Control	-2.8986	5.4236
		Western	-3.5840	4.7382
iPostExpress	Control	Western	-4.8965	2.6257
		Chinese	-2.1736	5.3486
	Western	Control	-2.6257	4.8965
		Chinese	-1.0382	6.4840
	Chinese	Control	-5.3486	2.1736
		Western	-6.4840	1.0382
iPostConsist	Control	Western	-10.3505	.0213
		Chinese	-10.1234	.2484

## Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.
	Western	Control	5.16458	2.09159	.051
		Chinese	.22708	2.09159	.994
	Chinese	Control	4.93750	2.09159	.064
		Western	-.22708	2.09159	.994
	iPostContext	Control	.41458	2.22357	.981
		Chinese	.48750	2.22357	.974
		Western	-.41458	2.22357	.981
		Chinese	.07292	2.22357	.999
		Chinese	-.48750	2.22357	.974
		Western	-.07292	2.22357	.999
iPostRely	Control	Western	.51458	1.87103	.959
		Chinese	.83750	1.87103	.896
	Western	Control	-.51458	1.87103	.959
		Chinese	.32292	1.87103	.984
	Chinese	Control	-.83750	1.87103	.896
		Western	-.32292	1.87103	.984
iPostInt	Control	Western	1.03542	1.63502	.803
		Chinese	.21250	1.63502	.991
	Western	Control	-1.03542	1.63502	.803
		Chinese	-.82292	1.63502	.870
	Chinese	Control	-.21250	1.63502	.991
		Western	.82292	1.63502	.870

## Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Group	(J) Group	95% Confidence Interval	
			Lower Bound	Upper Bound
iPostContext	Western	Control	-.0213	10.3505
		Chinese	-4.9588	5.4130
	Chinese	Control	-.2484	10.1234
		Western	-5.4130	4.9588
	Control	Western	-5.0986	5.9277
		Chinese	-5.0257	6.0007
iPostRely	Control	Western	-4.1245	5.1536
		Chinese	-3.8016	5.4766
	Western	Control	-5.1536	4.1245
		Chinese	-4.3161	4.9620
	Chinese	Control	-5.4766	3.8016
		Western	-4.9620	4.3161
iPostInt	Control	Western	-3.0185	5.0893
		Chinese	-3.8414	4.2664
	Western	Control	-5.0893	3.0185
		Chinese	-4.8768	3.2310
	Chinese	Control	-4.2664	3.8414
		Western	-3.2310	4.8768

## Homogeneous Subsets

iPostDiff

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05
Western	10	1 -3.3646
Chinese	10	-1.8375
Control	10	-.3500
Sig.		.313

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

### iPostContain

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05
		1
Western	10	-11.4146
Chinese	10	-10.7875
Control	10	-9.0500
Sig.		.541

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

### iPostDirect

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05
		1
Control	10	-1.1500
Western	10	-.4646
Chinese	10	.1125
Sig.		.735

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

### iPostExpress

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05
		1
Chinese	10	-5.8375
Control	10	-4.2500
Western	10	-3.1146
Sig.		.190

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

### iPostConsist

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05
		1
Control	10	-2.5000
Chinese	10	2.4375
Western	10	2.6646
Sig.		.051

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

### iPostContext

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05
		1
Chinese	10	-.9375
Western	10	-.8646
Control	10	-.4500
Sig.		.974

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

### iPostRely

Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05
		1
Chinese	10	.8125
Western	10	1.1354
Control	10	1.6500
Sig.		.896

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 10.000.

## iPostInt

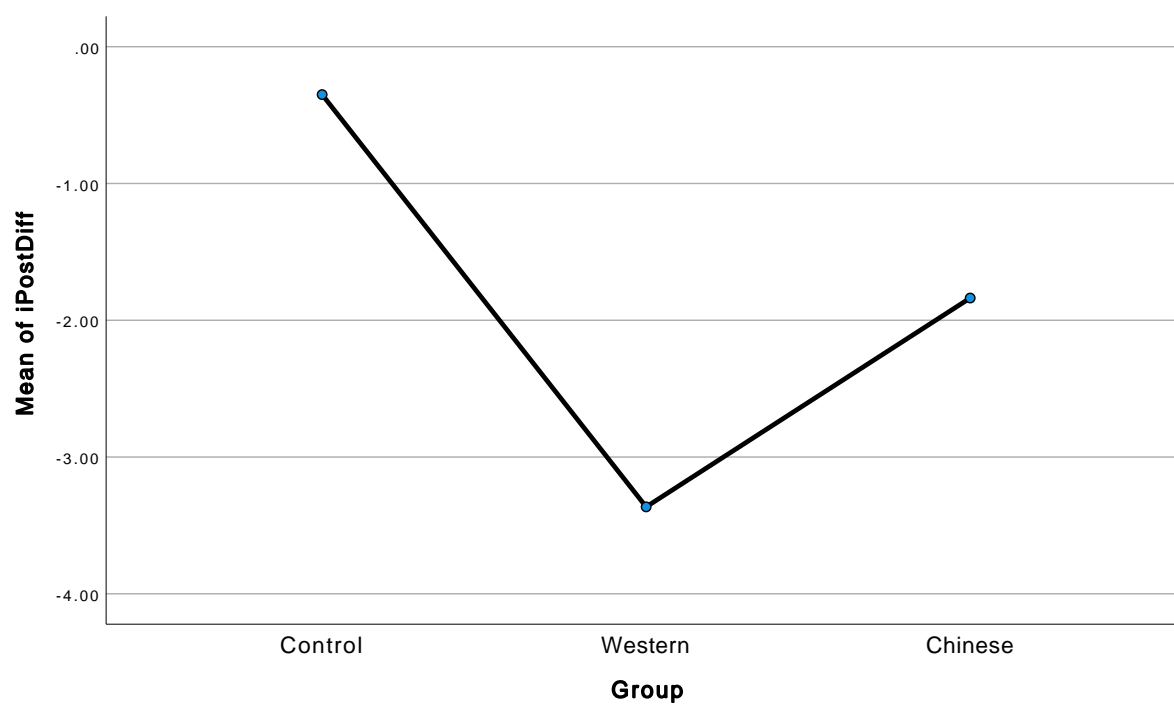
Tukey HSD<sup>a</sup>

Group	N	Subset for alpha = 0.05
		1
Western	10	2.4646
Chinese	10	3.2875
Control	10	3.5000
Sig.		.803

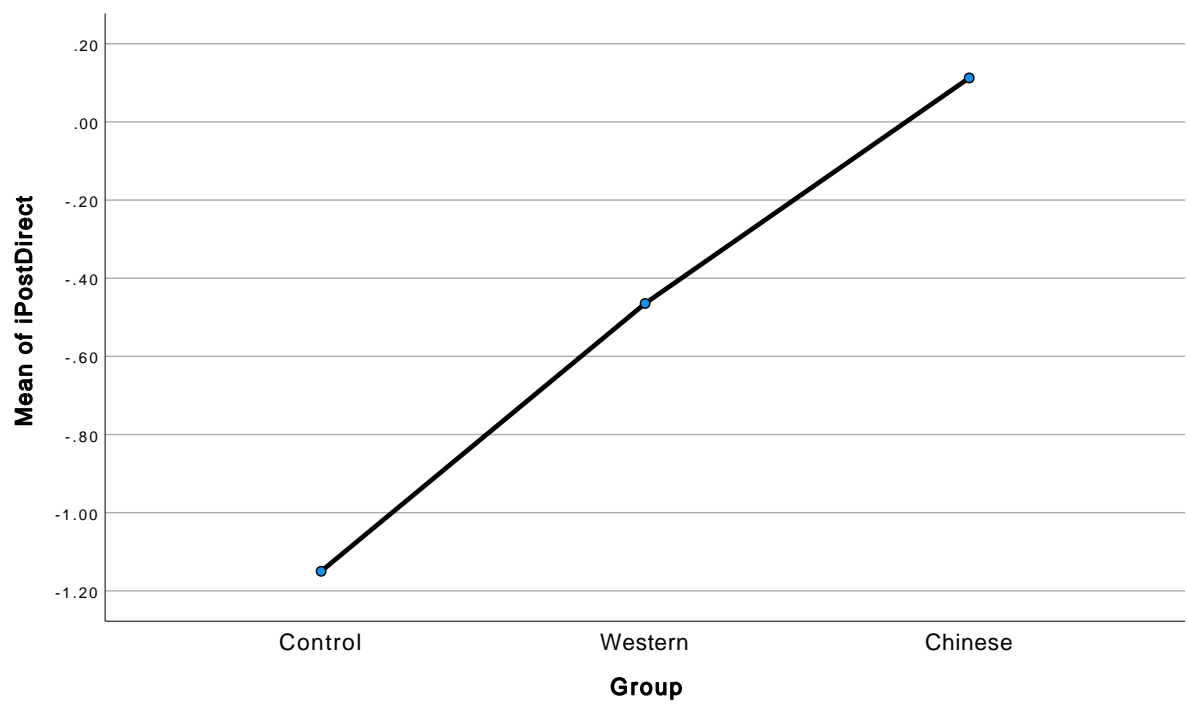
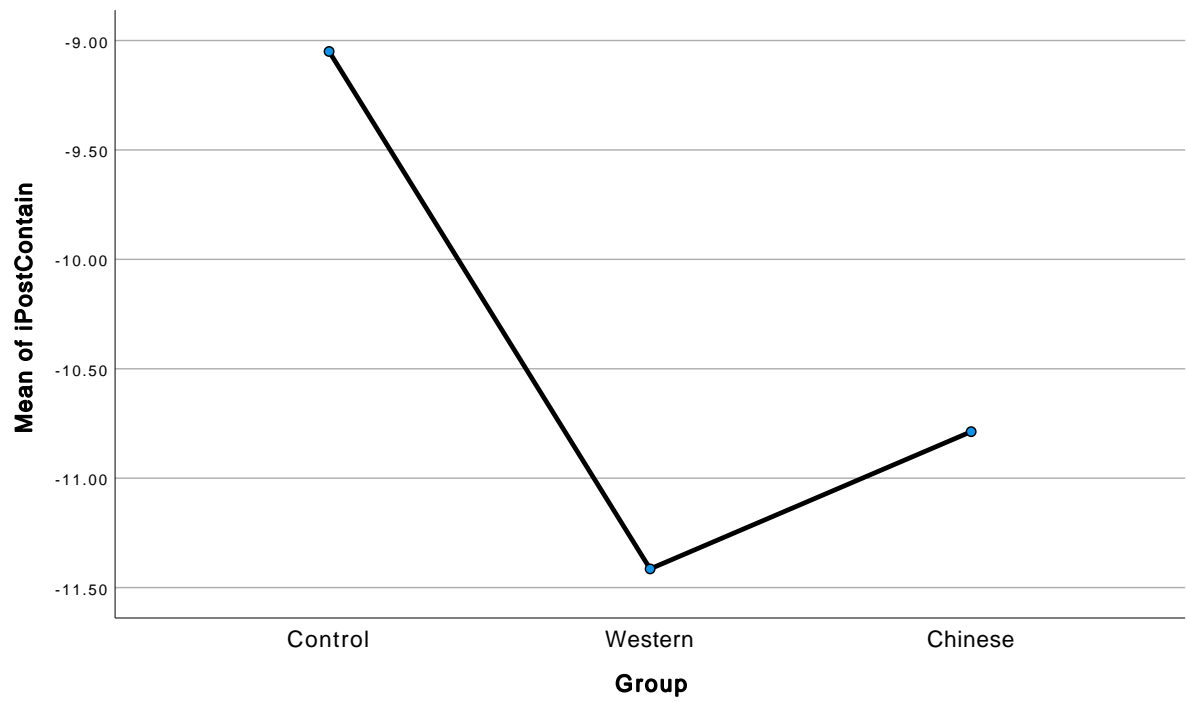
Means for groups in homogeneous subsets are displayed.

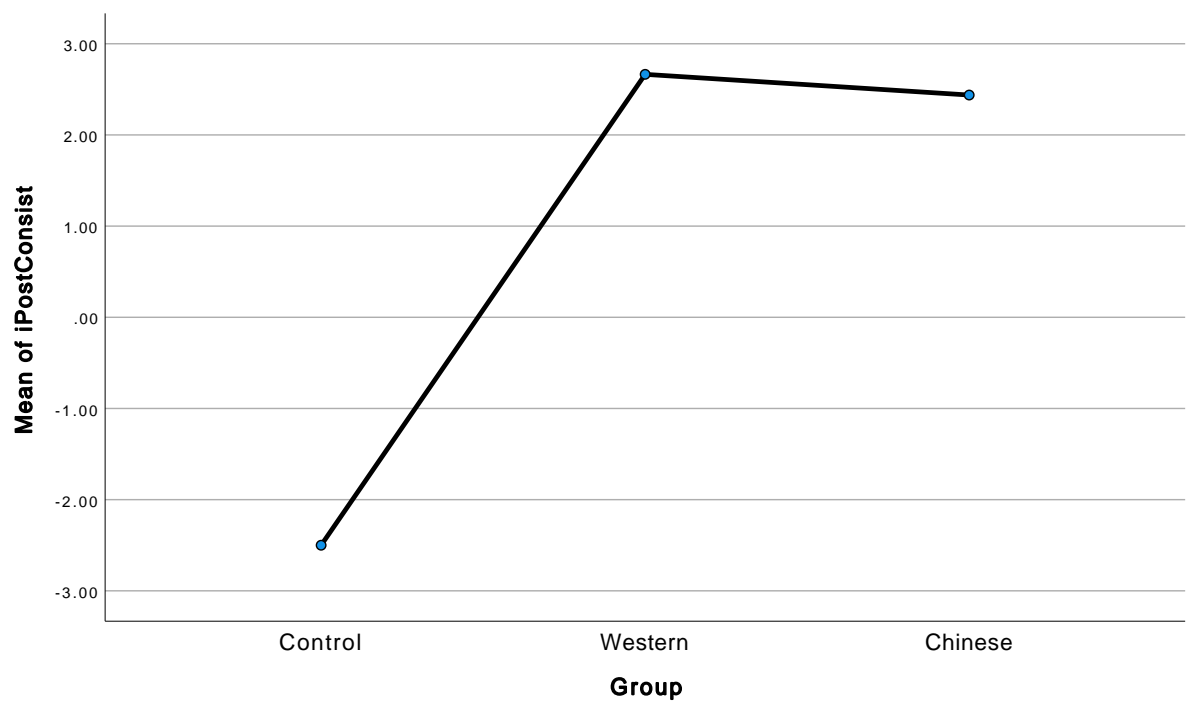
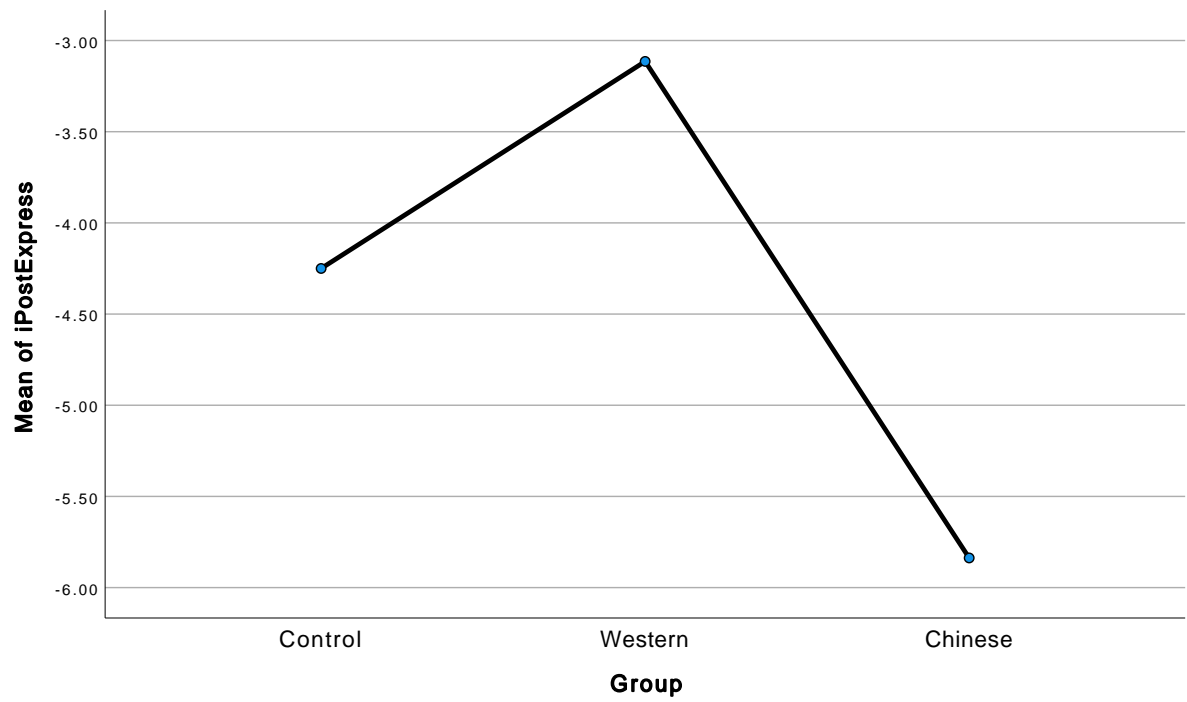
a. Uses Harmonic Mean Sample Size = 10.000.

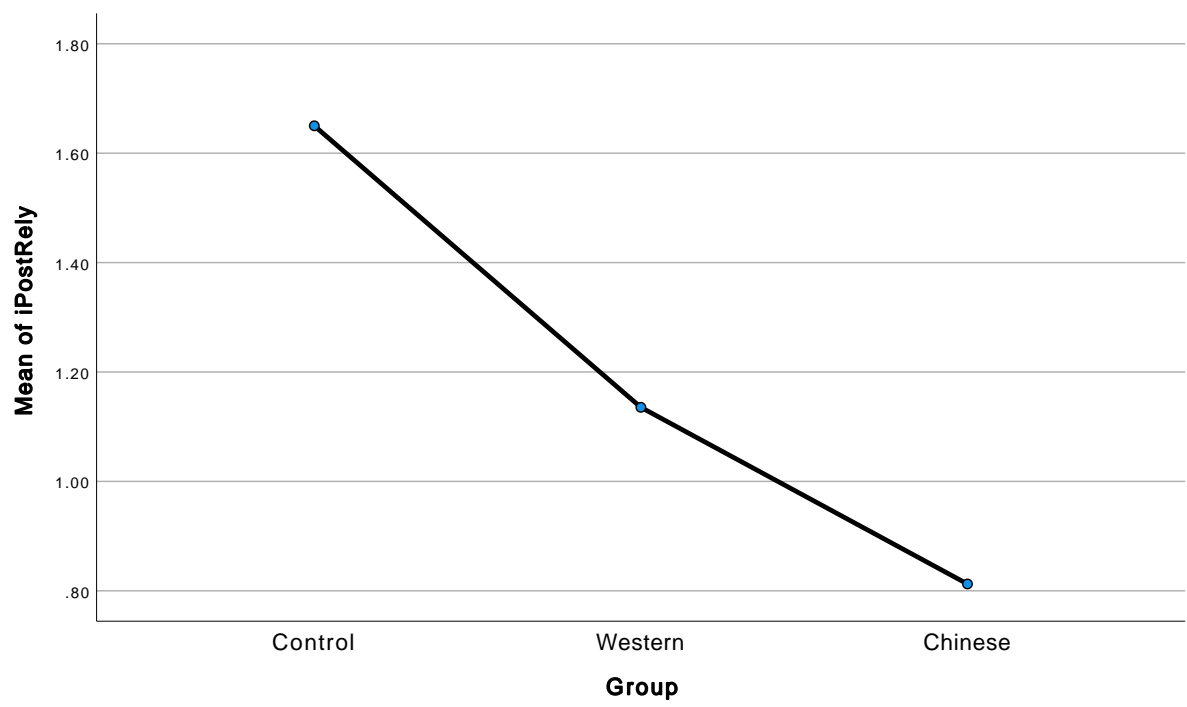
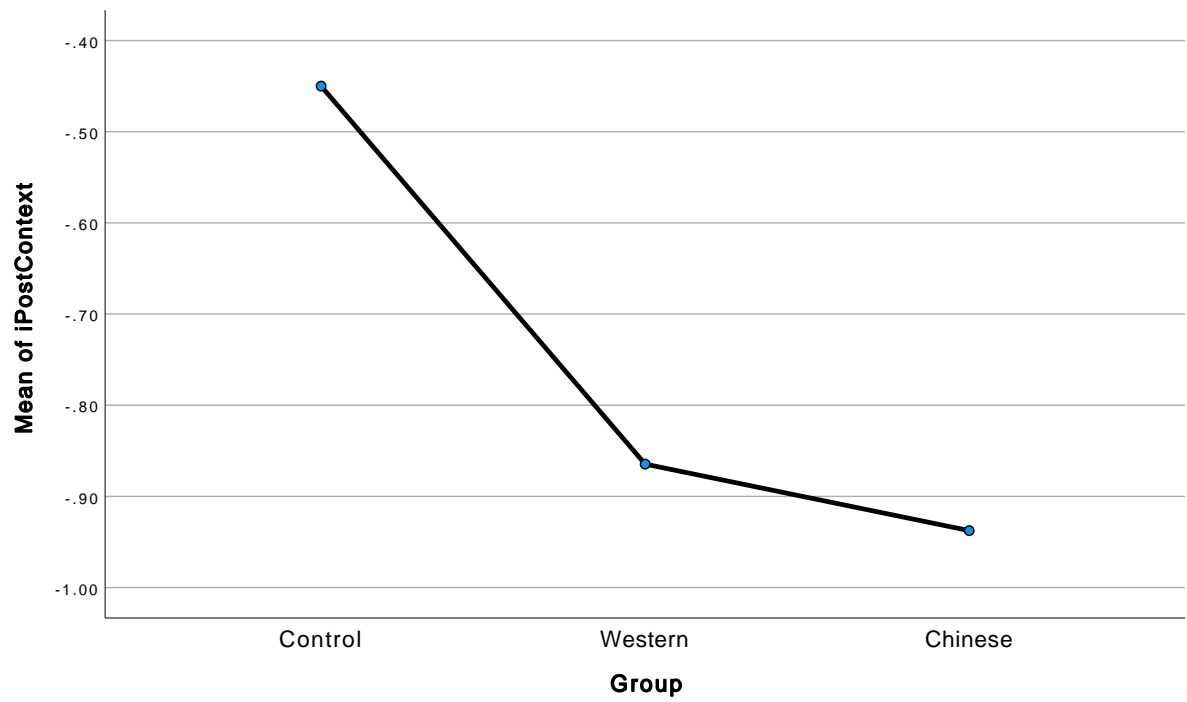
## Means Plots

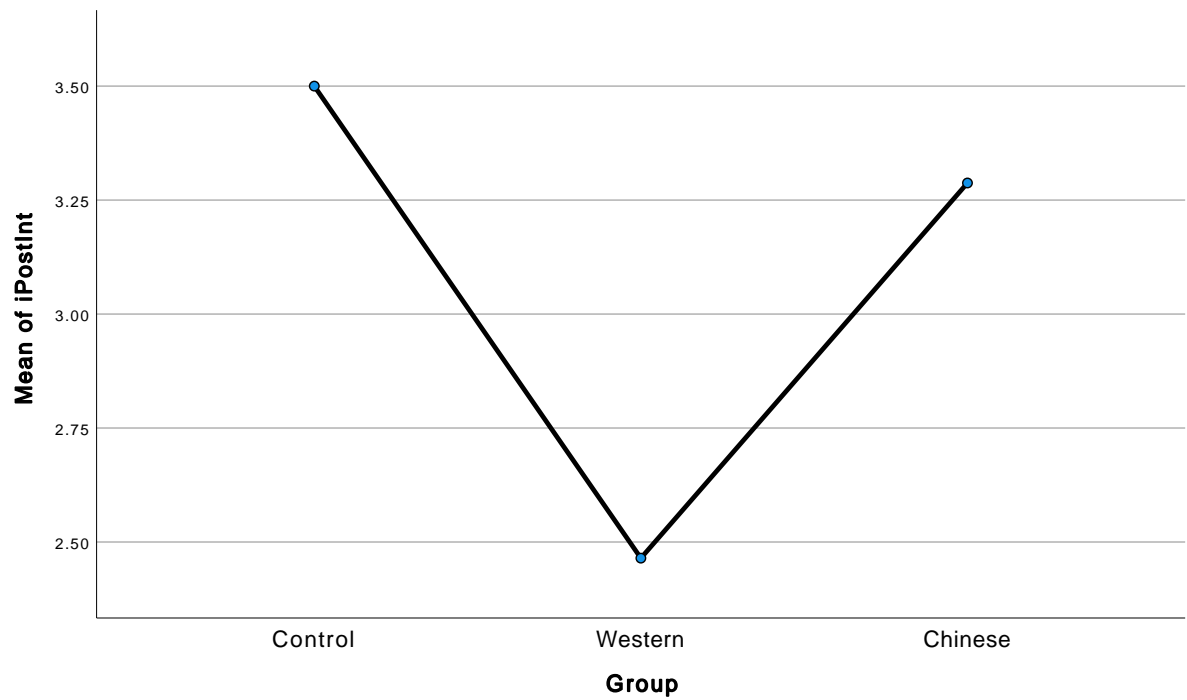












## General Linear Model

### Within-Subjects Factors

Measure: MEASURE\_1

SC	Dependent Variable
1	PreTST_Ind
2	PostTST_Ind

### Between-Subjects Factors

		Value Label	N
Group	0	Control	10
	1	Western	9
	2	Chinese	10

## Descriptive Statistics

	Group	Mean	Std. Deviation	N
Pretest TST Independent	Control	14.30	5.438	10
	Western	13.44	6.521	9
	Chinese	9.60	4.326	10
	Total	12.41	5.666	29
Posttest TST Independent	Control	13.80	5.287	10
	Western	14.22	6.457	9
	Chinese	9.80	5.138	10
	Total	12.55	5.792	29

## Box's Test of Equality of Covariance Matrices<sup>a</sup>

Box's M	10.572
F	1.565
df1	6
df2	15560.339
Sig.	.153

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

a. Design: Intercept + Group  
Within Subjects Design: SC

### Multivariate Tests<sup>a</sup>

Effect		Value	F	Hypothesis df	Error df	Sig.
SC	Pillai's Trace	.002	.040 <sup>b</sup>	1.000	26.000	.843
	Wilks' Lambda	.998	.040 <sup>b</sup>	1.000	26.000	.843
	Hotelling's Trace	.002	.040 <sup>b</sup>	1.000	26.000	.843
	Roy's Largest Root	.002	.040 <sup>b</sup>	1.000	26.000	.843
SC * Group	Pillai's Trace	.016	.213 <sup>b</sup>	2.000	26.000	.810
	Wilks' Lambda	.984	.213 <sup>b</sup>	2.000	26.000	.810
	Hotelling's Trace	.016	.213 <sup>b</sup>	2.000	26.000	.810
	Roy's Largest Root	.016	.213 <sup>b</sup>	2.000	26.000	.810

### Multivariate Tests<sup>a</sup>

Effect		Partial Eta Squared
SC	Pillai's Trace	.002
	Wilks' Lambda	.002
	Hotelling's Trace	.002
	Roy's Largest Root	.002
SC * Group	Pillai's Trace	.016
	Wilks' Lambda	.016
	Hotelling's Trace	.016
	Roy's Largest Root	.016

a. Design: Intercept + Group  
Within Subjects Design: SC

b. Exact statistic

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon <sup>b</sup> Greenhouse-Geisser
SC	1.000	.000	0	.	1.000

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Epsilon <sup>b</sup>	
	Huynh-Feldt	Lower-bound
SC	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.

- Design: Intercept + Group  
Within Subjects Design: SC
- 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
SC	Sphericity Assumed	.367	1	.367	.040
	Greenhouse-Geisser	.367	1.000	.367	.040
	Huynh-Feldt	.367	1.000	.367	.040
	Lower-bound	.367	1.000	.367	.040
SC * Group	Sphericity Assumed	3.896	2	1.948	.213
	Greenhouse-Geisser	3.896	2.000	1.948	.213
	Huynh-Feldt	3.896	2.000	1.948	.213
	Lower-bound	3.896	2.000	1.948	.213
Error(SC)	Sphericity Assumed	237.828	26	9.147	
	Greenhouse-Geisser	237.828	26.000	9.147	
	Huynh-Feldt	237.828	26.000	9.147	
	Lower-bound	237.828	26.000	9.147	

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Sig.	Partial Eta Squared
SC	Sphericity Assumed	.843	.002
	Greenhouse-Geisser	.843	.002
	Huynh-Feldt	.843	.002
	Lower-bound	.843	.002
SC * Group	Sphericity Assumed	.810	.016
	Greenhouse-Geisser	.810	.016
	Huynh-Feldt	.810	.016
	Lower-bound	.810	.016
Error(SC)	Sphericity Assumed		
	Greenhouse-Geisser		
	Huynh-Feldt		
	Lower-bound		

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	SC	Type III Sum of Squares	df	Mean Square	F	Sig.
SC	Linear	.367	1	.367	.040	.843
SC * Group	Linear	3.896	2	1.948	.213	.810
Error(SC)	Linear	237.828	26	9.147		

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	SC	Partial Eta Squared
SC	Linear	.002
SC * Group	Linear	.016
Error(SC)	Linear	

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Levene Statistic	df1	df2
Pretest TST Independent	Based on Mean	1.135	2	26
	Based on Median	.810	2	26
	Based on Median and with adjusted df	.810	2	23.224
	Based on trimmed mean	1.188	2	26
Posttest TST Independent	Based on Mean	1.042	2	26
	Based on Median	.559	2	26
	Based on Median and with adjusted df	.559	2	25.926
	Based on trimmed mean	.968	2	26

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Sig.
Pretest TST Independent	Based on Mean	.337
	Based on Median	.456
	Based on Median and with adjusted df	.457
	Based on trimmed mean	.321
Posttest TST Independent	Based on Mean	.367
	Based on Median	.579
	Based on Median and with adjusted df	.579
	Based on trimmed mean	.393



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

- a. Design: Intercept + Group  
Within Subjects Design: SC

### 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	9080.402	1	9080.402	173.641	<.001	.870
Group	236.833	2	118.416	2.264	.124	.148
Error	1359.650	26	52.294			

## Estimated Marginal Means

### 1. Group

#### Estimates

Measure: MEASURE\_1

Group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Control	14.050	1.617	10.726	17.374
Western	13.833	1.704	10.330	17.337
Chinese	9.700	1.617	6.376	13.024

#### Pairwise Comparisons

Measure: MEASURE\_1

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
Control	Western	.217	2.349	1.000	-5.795	6.229
	Chinese	4.350	2.287	.205	-1.502	10.202
Western	Control	-.217	2.349	1.000	-6.229	5.795
	Chinese	4.133	2.349	.271	-1.879	10.145
Chinese	Control	-4.350	2.287	.205	-10.202	1.502
	Western	-4.133	2.349	.271	-10.145	1.879

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	118.416	2	59.208	2.264	.124	.148
Error	679.825	26	26.147			

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

## 2. SC

### Estimates

Measure: MEASURE\_1

SC	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	12.448	1.015	10.362	14.534
2	12.607	1.046	10.458	14.757

### Pairwise Comparisons

Measure: MEASURE\_1

(I) SC	(J) SC	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
1	2	-.159	.795	.843	-1.794	1.475
2	1	.159	.795	.843	-1.475	1.794

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	.002	.040 <sup>a</sup>	1.000	26.000	.843	.002
Wilks' lambda	.998	.040 <sup>a</sup>	1.000	26.000	.843	.002
Hotelling's trace	.002	.040 <sup>a</sup>	1.000	26.000	.843	.002
Roy's largest root	.002	.040 <sup>a</sup>	1.000	26.000	.843	.002

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

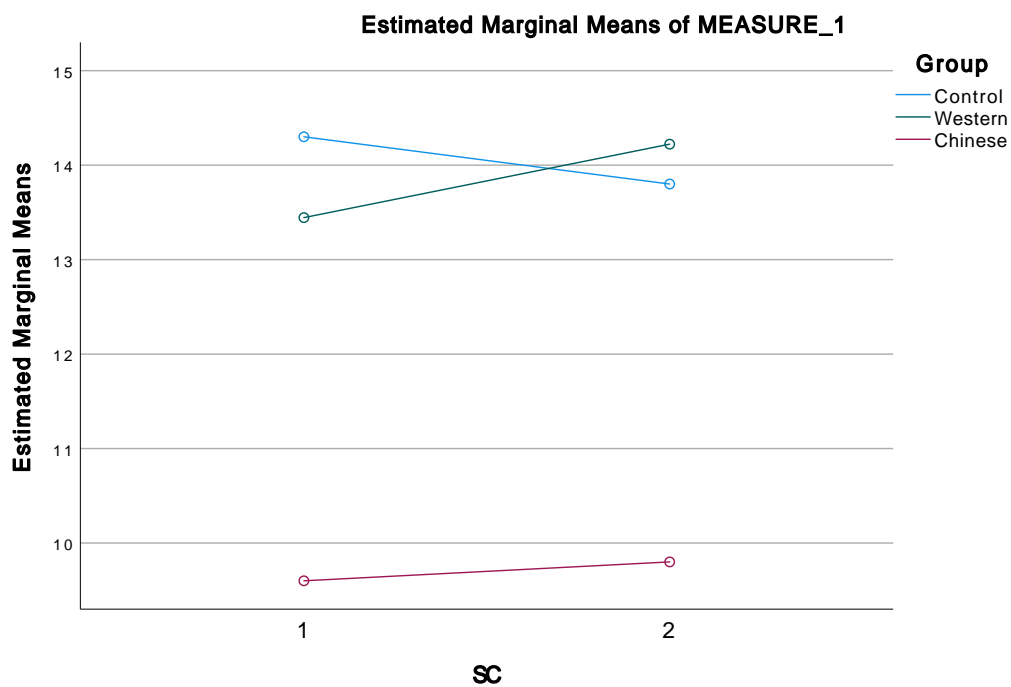
a. Exact statistic

### 3. Group \* SC

Measure: MEASURE\_1

Group	SC	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Control	1	14.300	1.726	10.752	17.848
	2	13.800	1.779	10.143	17.457
Western	1	13.444	1.820	9.704	17.185
	2	14.222	1.875	10.368	18.077
Chinese	1	9.600	1.726	6.052	13.148
	2	9.800	1.779	6.143	13.457

### Profile Plots



### General Linear Model

#### Within-Subjects Factors

Measure: MEASURE\_1

SC	Dependent Variable
1	PreTST_Inter
2	PostTST_Inter

### Between-Subjects Factors

		Value Label	N
Group	0	Control	10
	1	Western	9
	2	Chinese	10

### Descriptive Statistics

	Group	Mean	Std. Deviation	N
Pretest TST Interdependent	Control	5.10	4.977	10
	Western	6.56	6.521	9
	Chinese	9.90	4.771	10
	Total	7.21	5.634	29
Posttest TST Interdependent	Control	5.00	4.876	10
	Western	5.67	6.500	9
	Chinese	9.80	5.138	10
	Total	6.86	5.743	29

### Box's Test of Equality of Covariance Matrices<sup>a</sup>

Box's M	10.497
F	1.554
df1	6
df2	15560.339
Sig.	.156

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

a. Design: Intercept + Group  
Within Subjects Design: SC

### Multivariate Tests<sup>a</sup>

Effect		Value	F	Hypothesis df	Error df	Sig.
SC	Pillai's Trace	.008	.209 <sup>b</sup>	1.000	26.000	.652
	Wilks' Lambda	.992	.209 <sup>b</sup>	1.000	26.000	.652
	Hotelling's Trace	.008	.209 <sup>b</sup>	1.000	26.000	.652
	Roy's Largest Root	.008	.209 <sup>b</sup>	1.000	26.000	.652
SC * Group	Pillai's Trace	.008	.106 <sup>b</sup>	2.000	26.000	.900
	Wilks' Lambda	.992	.106 <sup>b</sup>	2.000	26.000	.900
	Hotelling's Trace	.008	.106 <sup>b</sup>	2.000	26.000	.900
	Roy's Largest Root	.008	.106 <sup>b</sup>	2.000	26.000	.900

### Multivariate Tests<sup>a</sup>

Effect		Partial Eta Squared
SC	Pillai's Trace	.008
	Wilks' Lambda	.008
	Hotelling's Trace	.008
	Roy's Largest Root	.008
SC * Group	Pillai's Trace	.008
	Wilks' Lambda	.008
	Hotelling's Trace	.008
	Roy's Largest Root	.008

a. Design: Intercept + Group  
Within Subjects Design: SC

b. Exact statistic

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon <sup>b</sup> Greenhouse-Geisser
SC	1.000	.000	0	.	1.000

### Mauchly's Test of Sphericity<sup>a</sup>

Measure: MEASURE\_1

Within Subjects Effect	Epsilon <sup>b</sup>	
	Huynh-Feldt	Lower-bound
SC	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.

- Design: Intercept + Group  
Within Subjects Design: SC
- 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
SC	Sphericity Assumed	1.906	1	1.906	.209
	Greenhouse-Geisser	1.906	1.000	1.906	.209
	Huynh-Feldt	1.906	1.000	1.906	.209
	Lower-bound	1.906	1.000	1.906	.209
SC * Group	Sphericity Assumed	1.931	2	.966	.106
	Greenhouse-Geisser	1.931	2.000	.966	.106
	Huynh-Feldt	1.931	2.000	.966	.106
	Lower-bound	1.931	2.000	.966	.106
Error(SC)	Sphericity Assumed	237.344	26	9.129	
	Greenhouse-Geisser	237.344	26.000	9.129	
	Huynh-Feldt	237.344	26.000	9.129	
	Lower-bound	237.344	26.000	9.129	

### Tests of Within-Subjects Effects

Measure: MEASURE\_1

Source		Sig.	Partial Eta Squared
SC	Sphericity Assumed	.652	.008
	Greenhouse-Geisser	.652	.008
	Huynh-Feldt	.652	.008
	Lower-bound	.652	.008
SC * Group	Sphericity Assumed	.900	.008
	Greenhouse-Geisser	.900	.008
	Huynh-Feldt	.900	.008
	Lower-bound	.900	.008
Error(SC)	Sphericity Assumed		
	Greenhouse-Geisser		
	Huynh-Feldt		
	Lower-bound		

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	SC	Type III Sum of Squares	df	Mean Square	F	Sig.
SC	Linear	1.906	1	1.906	.209	.652
SC * Group	Linear	1.931	2	.966	.106	.900
Error(SC)	Linear	237.344	26	9.129		

### Tests of Within-Subjects Contrasts

Measure: MEASURE\_1

Source	SC	Partial Eta Squared
SC	Linear	.008
SC * Group	Linear	.008
Error(SC)	Linear	

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Levene Statistic	df1	df2
Pretest TST Interdependent	Based on Mean	.936	2	26
	Based on Median	.648	2	26
	Based on Median and with adjusted df	.648	2	23.508
	Based on trimmed mean	.984	2	26
Posttest TST Interdependent	Based on Mean	1.356	2	26
	Based on Median	.729	2	26
	Based on Median and with adjusted df	.729	2	25.191
	Based on trimmed mean	1.300	2	26

### Levene's Test of Equality of Error Variances<sup>a</sup>

		Sig.
Pretest TST Interdependent	Based on Mean	.405
	Based on Median	.532
	Based on Median and with adjusted df	.532
	Based on trimmed mean	.387
Posttest TST Interdependent	Based on Mean	.275
	Based on Median	.492
	Based on Median and with adjusted df	.492
	Based on trimmed mean	.290

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

- a. Design: Intercept + Group  
Within Subjects Design: SC

### 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	2838.001	1	2838.001	55.888	<.001	.682
Group	252.653	2	126.327	2.488	.103	.161
Error	1320.278	26	50.780			

## Estimated Marginal Means

### 1. Group

#### Estimates

Measure: MEASURE\_1

Group	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Control	5.050	1.593	1.775	8.325
Western	6.111	1.680	2.659	9.564
Chinese	9.850	1.593	6.575	13.125

#### Pairwise Comparisons

Measure: MEASURE\_1

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
Control	Western	-1.061	2.315	1.000	-6.986	4.863
	Chinese	-4.800	2.253	.128	-10.566	.966
Western	Control	1.061	2.315	1.000	-4.863	6.986
	Chinese	-3.739	2.315	.355	-9.663	2.186
Chinese	Control	4.800	2.253	.128	-.966	10.566
	Western	3.739	2.315	.355	-2.186	9.663

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	126.327	2	63.163	2.488	.103	.161
Error	660.139	26	25.390			

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

## 2. SC

### Estimates

Measure: MEASURE\_1

SC	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	7.185	1.011	5.108	9.262
2	6.822	1.025	4.716	8.928

### Pairwise Comparisons

Measure: MEASURE\_1

(I) SC	(J) SC	Mean Difference (I-J)	Std. Error	Sig. <sup>a</sup>	95% Confidence Interval for Difference <sup>a</sup>	
					Lower Bound	Upper Bound
1	2	.363	.794	.652	-1.270	1.996
2	1	-.363	.794	.652	-1.996	1.270

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	.008	.209 <sup>a</sup>	1.000	26.000	.652	.008
Wilks' lambda	.992	.209 <sup>a</sup>	1.000	26.000	.652	.008
Hotelling's trace	.008	.209 <sup>a</sup>	1.000	26.000	.652	.008
Roy's largest root	.008	.209 <sup>a</sup>	1.000	26.000	.652	.008

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

a. Exact statistic

### 3. Group \* SC

Measure: MEASURE\_1

Group	SC	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Control	1	5.100	1.719	1.567	8.633
	2	5.000	1.743	1.418	8.582
Western	1	6.556	1.812	2.832	10.279
	2	5.667	1.837	1.891	9.443
Chinese	1	9.900	1.719	6.367	13.433
	2	9.800	1.743	6.218	13.382

### Profile Plots

