Data written to the working file.
46 variables and 102 cases written.
Variable: Subject Type: Number Format : F3
Variable: B0 Type: Number Format : F3
Variable: B10 Type: Number Format : F11.8
Variable: B20 Type: Number Format : F11.8
Variable: B30 Type: Number Format : F11.8
Variable: B40 Type: Number Format : F11.8 One or more values were set to system-missing.
Variable: B50 Type: Number Format : F11.8
Variable: B60 Type: Number Format : F11.8
Variable: B70 Type: Number Format : F11.8
Variable: B80 Type: Number Format : F11.8 One or more values were set to system-missing.
Variable: B90 Type: Number Format : F11.8
Variable: B100 Type: Number Format : F11.8
Variable: F0 Type: Number Format : F11.8
Variable: F10 Type: Number Format : F11.8
Variable: F20 Type: Number Format : F11.8
Variable: F30 Type: Number Format : F11.8
Variable: F40 Type: Number Format : F11.8
Variable: F50 Type: Number Format : F11.8
Variable: F60 Type: Number Format : F11.8
Variable: F70 Type: Number Format : F11.8
Variable: F80 Type: Number Format : F11.8
Variable: F90 Type: Number Format : F11.8
Variable: F100 Type: Number Format : F11.8
Variable: S0 Type: Number Format : F3
Variable: S10 Type: Number Format : F11.8
Variable: S20 Type: Number Format : F11.8
Variable: S30 Type: Number Format : F11.8
Variable: S40 Type: Number Format : F11.8
Variable: S50 Type: Number Format : F11.8
Variable: S60 Type: Number Format : F11.8
Variable: S70 Type: Number Format : F11.8
Variable: S80 Type: Number Format : F11.8
Variable: S90 Type: Number Format : F11.8
Variable: S100 Type: Number Format : F11.8
Variable: U0 Type: Number Format : F12.9
Variable: U10 Type: Number Format : F12.9
Variable: U20 Type: Number Format : F11.8
Variable: U30 Type: Number Format : F11.8
Variable: U40 Type: Number Format : F11.8
Variable: U50 Type: Number Format : F12.9
Variable: U60 Type: Number Format : F11.8
Variable: U70 Type: Number Format : F11.8
Variable: U80 Type: Number Format : F11.8
Variable: U90 Type: Number Format : F11.8
Variable: U100 Type: Number Format : F11.9

Variable: Group Type: String Format : A4

Substitute the following to build syntax for these data.

```
/VARIABLES=
Subject F3
B0 F3
B10 F11.8
B20 F11.8
B30 F11.8
B40 F11.8
B50 F11.8
B60 F11.8
B70 F11.8
B80 F11.8
B90 F11.8
B100 F11.8
F0 F11.8
F10 F11.8
F20 F11.8
F30 F11.8
F40 F11.8
F50 F11.8
F60 F11.8
F70 F11.8
F80 F11.8
F90 F11.8
F100 F11.8
S0 F3
S10 F11.8
S20 F11.8
S30 F11.8
S40 F11.8
S50 F11.8
S60 F11.8
S70 F11.8
S80 F11.8
S90 F11.8
S100 F11.8
U0 F12.9
U10 F12.9
U20 F11.8
U30 F11.8
U40 F11.8
U50 F12.9
U60 F11.8
U70 F11.8
U80 F11.8
U90 F11.8
U100 F11.9
```

Group A4

General Linear Model

Notes

Output Created		20-DEC-2022 14:07:33
Comments		
Input	Data	C:\Users\nicholas.maxwell\Documents\GitHub\ISREL_JOLs\1 Analyses\Ex 2\Analyze\Calibration Plots\Analysis\SPSS\Combined Calibration.csv
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	102
Missing Value Handling	Definition of Missing	User-defined missing values are treated as missing.
	Cases Used	Statistics are based on all cases with valid data for all variables in the model.
Syntax		GLM B0 B10 B20 B30 B40 B50 B60 B70 B80 B90 B100 F0 F10 F20 F30 F40 F50 F60 F70 F80 F90 F100 S0 S10 S20 S30 S40 S50 S60 S70 S80 S90 S100 U0 U10 U20 U30 U40 U50 U60 U70 U80 U90 U100 BY Group /WSFACTOR=Direction 4 Polynomial Bin 11 Polynomial /METHOD=SSTYPE(3) /POSTHOC=Group (BONFERRONI) /PRINT=DESCRIPTIVE ETASQ /CRITERIA=ALPHA(.05) /WSDESIGN=Direction Bin Direction*Bin /DESIGN=Group.

Notes

Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.02

[DataSet1]

Within-Subjects Factors

Measure: MEASURE_1

Direction	Bin	Dependent Variable
1	1	B0
	2	B10
	3	B20
	4	B30
	5	B40
	6	B50
	7	B60
	8	B70
	9	B80
	10	B90
	11	B100
2	1	F0
	2	F10
	3	F20
	4	F30
	5	F40
	6	F50
	7	F60
	8	F70
	9	F80
	10	F90
	11	F100
3	1	S0
	2	S10
	3	S20
	4	S30
	5	S40
	6	S50

Within-Subjects Factors

Measure: MEASURE_1

Direction	Bin	Dependent Variable
	7	S60
	8	S70
	9	S80
	10	S90
	11	S100
4	1	U0
	2	U10
	3	U20
	4	U30
	5	U40
	6	U50
	7	U60
	8	U70
	9	U80
	10	U90
	11	U100

Between-Subjects Factors

		N
Group	IS	34
	READ	35
	RL	32

Descriptive Statistics

	Group	Mean	Std. Deviation	N
B0	IS	13.24	33.278	34
	READ	5.71	23.550	35
	RL	5.00	20.320	32
	Total	8.02	26.383	101
B10	IS	30.24509804	43.91247101	34
	READ	10.95238095	29.41223156	35
	RL	6.250000000	24.59346884	32
	Total	15.95709571	35.01852409	101
B20	IS	25.73529412	41.35579216	34
	READ	20.42857143	37.42387231	35
	RL	12.50000000	33.60107525	32
	Total	19.70297030	37.67949342	101
B30	IS	32.59803922	43.82623935	34
	READ	27.66666667	38.58866372	35
	RL	23.43750000	42.09125072	32
	Total	27.98679868	41.27032619	101
B40	IS	28.03921569	37.24626976	34
	READ	20.28571429	37.06002399	35
	RL	25.52083333	40.10165734	32
	Total	24.55445545	37.86957962	101
B50	IS	44.77941176	40.02698418	34
	READ	30.21768708	38.94472041	35
	RL	42.39583333	44.01437021	32
	Total	38.97807638	41.07287529	101
B60	IS	34.36274510	41.81089121	34
	READ	29.00000000	42.97400035	35
	RL	47.36607143	46.47354699	32
	Total	36.62423385	43.96967874	101
B70	IS	50.34504711	43.98001441	34
	READ	43.19274376	39.78045383	35
	RL	52.02008929	42.54459643	32
	Total	48.39723258	41.86201195	101
B80	IS	44.49579832	42.00122394	34
	READ	36.92290249	37.96542662	35

Descriptive Statistics

	Group	Mean	Std. Deviation	N
	RL	61.11607143	39.27854226	32
	Total	47.13735659	40.64368745	101
B90	IS	43.25630252	44.97077412	34
	READ	37.53318903	33.63244336	35
	RL	49.31752709	40.98168536	32
	Total	43.19343335	39.94785429	101
B100	IS	35.11931288	42.82902975	34
	READ	24.18367347	32.43519337	35
	RL	31.67594859	39.39022241	32
	Total	30.23876796	38.28324196	101
F0	IS	5.882352941	20.46692040	34
	READ	9.761904762	26.69772351	35
	RL	4.166666667	18.45269065	32
	Total	6.683168317	22.17417799	101
F10	IS	35.18907563	46.29211009	34
	READ	20.47619048	39.20903305	35
	RL	9.375000000	29.61445811	32
	Total	21.91183404	40.15847936	101
F20	IS	23.92156863	41.33684075	34
	READ	23.69047619	39.97511773	35
	RL	19.27083333	38.12575283	32
	Total	22.36798680	39.52613985	101
F30	IS	34.70588235	44.53363007	34
	READ	36.47619048	45.04132349	35
	RL	26.04166667	42.95064685	32
	Total	32.57425743	44.00727513	101
F40	IS	44.60784314	49.01737963	34
	READ	32.35374150	44.24351817	35
	RL	31.77083333	45.66501351	32
	Total	36.29420085	46.26403588	101
F50	IS	55.46218487	44.84353419	34
	READ	54.04761905	45.48088321	35
	RL	54.16666667	47.33015285	32
	Total	54.56152758	45.40668751	101

Descriptive Statistics

	Group	Mean	Std. Deviation	N
F60	IS	68.08473389	43.94024164	34
	READ	44.09523810	46.19570273	35
	RL	67.30654762	44.59287781	32
	Total	59.52498821	45.89965670	101
F70	IS	60.01400560	46.77380952	34
	READ	49.57823129	40.37109794	35
	RL	77.61600379	36.72653103	32
	Total	61.97451888	42.75080692	101
F80	IS	59.10633484	39.46118032	34
	READ	47.48578406	42.04220671	35
	RL	66.66294643	41.77712465	32
	Total	57.47358527	41.45759247	101
F90	IS	54.35107376	45.93065591	34
	READ	49.80272109	40.47365644	35
	RL	60.79861111	42.54303874	32
	Total	54.81769606	42.83143158	101
F100	IS	43.08911183	45.90867150	34
	READ	46.79251701	42.56991110	35
	RL	53.66052350	42.66898756	32
	Total	47.72182821	43.53092518	101
S0	IS	14.71	33.776	34
	READ	.00	.000	35
	RL	3.13	17.678	32
	Total	5.94	22.679	101
S10	IS	22.48366013	35.41328737	34
	READ	11.42857143	29.91584836	35
	RL	6.250000000	24.59346884	32
	Total	13.50935094	30.84478573	101
S20	IS	25.46218487	43.24138085	34
	READ	13.14285714	30.94315743	35
	RL	7.812500000	25.74494940	32
	Total	15.60113154	34.67910220	101
S30	IS	32.59803922	45.52202112	34
	READ	15.00000000	32.45157277	35

Descriptive Statistics

	Group	Mean	Std. Deviation	N
	RL	21.87500000	42.00134406	32
	Total	23.10231023	40.53258614	101
S40	IS	34.01960784	45.79105975	34
	READ	35.71428571	47.85306643	35
	RL	38.02083333	47.75129246	32
	Total	35.87458746	46.69082354	101
S50	IS	50.49019608	46.68926115	34
	READ	35.30612245	46.16742514	35
	RL	50.26041667	47.06837354	32
	Total	45.15558699	46.72046748	101
S60	IS	34.92296919	45.64338540	34
	READ	42.14285714	45.14604375	35
	RL	59.83134921	48.29174851	32
	Total	45.31667452	47.02224898	101
S70	IS	55.76203209	46.18902289	34
	READ	58.95918367	41.63228216	35
	RL	56.44345238	42.14591350	32
	Total	57.08585144	42.96436724	101
S80	IS	65.89985994	41.82019942	34
	READ	48.24829932	38.79327618	35
	RL	72.31398809	39.05264075	32
	Total	61.81518152	40.82852396	101
S90	IS	61.90099117	44.74177801	34
	READ	57.35755514	39.49893485	35
	RL	64.03273810	41.30153298	32
	Total	61.00193811	41.56591332	101
S100	IS	47.92387543	47.00621856	34
	READ	44.84233041	41.36379498	35
	RL	51.05902778	42.49290928	32
	Total	47.84932889	43.32556389	101
U0	IS	6.613190731	19.99936980	34
	READ	10.54405352	25.22652421	35
	RL	11.15633754	29.64829803	32
	Total	9.414783754	24.99884523	101

Descriptive Statistics

	Group	Mean	Std. Deviation	N
U10	IS	7.138294712	19.94680264	34
	READ	11.64512472	18.85770201	35
	RL	24.89583333	39.04536811	32
	Total	14.32621834	27.94005264	101
U20	IS	12.75676937	26.84761119	34
	READ	10.58503401	23.13954735	35
	RL	35.36458333	40.54232351	32
	Total	19.16705956	32.45236955	101
U30	IS	16.37955182	25.75298911	34
	READ	12.61904762	27.66597481	35
	RL	49.81398809	43.92461067	32
	Total	25.66949552	36.77912120	101
U40	IS	11.69467787	26.35145104	34
	READ	7.714285714	21.18655741	35
	RL	35.78869048	44.38822672	32
	Total	17.94908062	33.82851529	101
U50	IS	14.09313725	28.97692078	34
	READ	15.29375387	33.14142098	35
	RL	47.75297619	44.31592785	32
	Total	25.17369594	38.70905903	101
U60	IS	10.00000000	23.84009581	34
	READ	14.85714286	33.28764376	35
	RL	38.42013889	44.89536252	32
	Total	20.68756876	36.61268320	101
U70	IS	6.302521009	20.89591592	34
	READ	10.88435374	26.70762482	35
	RL	44.27083333	44.47208762	32
	Total	19.91984913	35.79233182	101
U80	IS	16.42156863	31.68163483	34
	READ	13.57142857	33.94570554	35
	RL	38.54166667	44.08315294	32
	Total	22.44224422	38.05592694	101
U90	IS	6.944444444	24.06354989	34
	READ	2.857142857	16.90308509	35

Descriptive Statistics

	Group	Mean	Std. Deviation	N
	RL	26.17750509	36.91401623	32
	Total	11.62169578	28.50918639	101
U100	IS	4.973262032	16.59838549	34
	READ	2.142857143	9.337284078	35
	RL	15.31250000	30.26891867	32
	Total	7.268226823	20.88723556	101

Multivariate Tests[a]

Effect		Value	F	Hypothesis df	Error df
Direction	Pillai's Trace	.603	48.519[b]	3.000	96.000
	Wilks' Lambda	.397	48.519[b]	3.000	96.000
	Hotelling's Trace	1.516	48.519[b]	3.000	96.000
	Roy's Largest Root	1.516	48.519[b]	3.000	96.000
Direction * Group	Pillai's Trace	.341	6.642	6.000	194.000
	Wilks' Lambda	.660	7.383[b]	6.000	192.000
	Hotelling's Trace	.513	8.124	6.000	190.000
	Roy's Largest Root	.510	16.489[c]	3.000	97.000
Bin	Pillai's Trace	.752	27.059[b]	10.000	89.000
	Wilks' Lambda	.248	27.059[b]	10.000	89.000
	Hotelling's Trace	3.040	27.059[b]	10.000	89.000
	Roy's Largest Root	3.040	27.059[b]	10.000	89.000
Bin * Group	Pillai's Trace	.188	.936	20.000	180.000
	Wilks' Lambda	.818	.943[b]	20.000	178.000
	Hotelling's Trace	.216	.950	20.000	176.000
	Roy's Largest Root	.175	1.571[c]	10.000	90.000
Direction * Bin	Pillai's Trace	.721	5.931[b]	30.000	69.000
	Wilks' Lambda	.279	5.931[b]	30.000	69.000
	Hotelling's Trace	2.579	5.931[b]	30.000	69.000
	Roy's Largest Root	2.579	5.931[b]	30.000	69.000
Direction * Bin * Group	Pillai's Trace	.676	1.191	60.000	140.000
	Wilks' Lambda	.436	1.183[b]	60.000	138.000
	Hotelling's Trace	1.036	1.174	60.000	136.000
	Roy's Largest Root	.627	1.462[c]	30.000	70.000

Multivariate Tests[a]

Effect		Sig.	Partial Eta Squared
Direction	Pillai's Trace	<.001	.603
	Wilks' Lambda	<.001	.603
	Hotelling's Trace	<.001	.603
	Roy's Largest Root	<.001	.603
Direction * Group	Pillai's Trace	<.001	.170
	Wilks' Lambda	<.001	.187
	Hotelling's Trace	<.001	.204
	Roy's Largest Root	<.001	.338
Bin	Pillai's Trace	<.001	.752
	Wilks' Lambda	<.001	.752
	Hotelling's Trace	<.001	.752
	Roy's Largest Root	<.001	.752
Bin * Group	Pillai's Trace	.543	.094
	Wilks' Lambda	.533	.096
	Hotelling's Trace	.525	.097
	Roy's Largest Root	.128	.149
Direction * Bin	Pillai's Trace	<.001	.721
	Wilks' Lambda	<.001	.721
	Hotelling's Trace	<.001	.721
	Roy's Largest Root	<.001	.721
Direction * Bin * Group	Pillai's Trace	.202	.338
	Wilks' Lambda	.211	.340
	Hotelling's Trace	.222	.341
	Roy's Largest Root	.098	.385

a. Design: Intercept + Group
Within Subjects Design: Direction + Bin + Direction * Bin

b. Exact statistic

c. The statistic is an upper bound on F that yields a lower bound on the significance level.

Mauchly's Test of Sphericity[a]

Measure: MEASURE_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon[b] Greenhouse-Geisser
Direction	.838	17.072	5	.004	.887
Bin	.042	298.891	54	<.001	.548
Direction * Bin	.001	610.309	464	<.001	.703

Mauchly's Test of Sphericity[a]

Measure: MEASURE_1

Within Subjects Effect	Epsilon[b] Huynh-Feldt	Lower-bound
Direction	.933	.333
Bin	.596	.100
Direction * Bin	.923	.033

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: Direction + Bin + Direction * Bin

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
Direction	Sphericity Assumed	353450.153	3	117816.718	67.333
	Greenhouse-Geisser	353450.153	2.662	132765.937	67.333
	Huynh-Feldt	353450.153	2.799	126262.049	67.333
	Lower-bound	353450.153	1.000	353450.153	67.333
Direction * Group	Sphericity Assumed	87697.371	6	14616.229	8.353
	Greenhouse-Geisser	87697.371	5.324	16470.814	8.353
	Huynh-Feldt	87697.371	5.599	15663.948	8.353
	Lower-bound	87697.371	2.000	43848.686	8.353
Error(Direction)	Sphericity Assumed	514429.524	294	1749.760	
	Greenhouse-Geisser	514429.524	260.896	1971.779	
	Huynh-Feldt	514429.524	274.335	1875.186	
	Lower-bound	514429.524	98.000	5249.281	
Bin	Sphericity Assumed	723492.728	10	72349.273	33.016
	Greenhouse-Geisser	723492.728	5.478	132062.049	33.016
	Huynh-Feldt	723492.728	5.959	121414.978	33.016
	Lower-bound	723492.728	1.000	723492.728	33.016
Bin * Group	Sphericity Assumed	67167.404	20	3358.370	1.533
	Greenhouse-Geisser	67167.404	10.957	6130.169	1.533
	Huynh-Feldt	67167.404	11.918	5635.944	1.533
	Lower-bound	67167.404	2.000	33583.702	1.533
Error(Bin)	Sphericity Assumed	2147486.862	980	2191.313	
	Greenhouse-Geisser	2147486.862	536.886	3999.892	
	Huynh-Feldt	2147486.862	583.967	3677.414	
	Lower-bound	2147486.862	98.000	21913.131	
Direction * Bin	Sphericity Assumed	260011.676	30	8667.056	8.598
	Greenhouse-Geisser	260011.676	21.100	12322.566	8.598
	Huynh-Feldt	260011.676	27.687	9390.990	8.598
	Lower-bound	260011.676	1.000	260011.676	8.598
Direction * Bin * Group	Sphericity Assumed	67176.091	60	1119.602	1.111
	Greenhouse-Geisser	67176.091	42.201	1591.817	1.111
	Huynh-Feldt	67176.091	55.375	1213.119	1.111
	Lower-bound	67176.091	2.000	33588.046	1.111
Error(Direction*Bin)	Sphericity Assumed	2963682.074	2940	1008.055	
	Greenhouse-Geisser	2963682.074	2067.844	1433.223	

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Sig.	Partial Eta Squared
Direction	Sphericity Assumed	<.001	.407
	Greenhouse-Geisser	<.001	.407
	Huynh-Feldt	<.001	.407
	Lower-bound	<.001	.407
Direction * Group	Sphericity Assumed	<.001	.146
	Greenhouse-Geisser	<.001	.146
	Huynh-Feldt	<.001	.146
	Lower-bound	<.001	.146
Error(Direction)	Sphericity Assumed		
	Greenhouse-Geisser		
	Huynh-Feldt		
	Lower-bound		
Bin	Sphericity Assumed	<.001	.252
	Greenhouse-Geisser	<.001	.252
	Huynh-Feldt	<.001	.252
	Lower-bound	<.001	.252
Bin * Group	Sphericity Assumed	.063	.030
	Greenhouse-Geisser	.116	.030
	Huynh-Feldt	.109	.030
	Lower-bound	.221	.030
Error(Bin)	Sphericity Assumed		
	Greenhouse-Geisser		
	Huynh-Feldt		
	Lower-bound		
Direction * Bin	Sphericity Assumed	<.001	.081
	Greenhouse-Geisser	<.001	.081
	Huynh-Feldt	<.001	.081
	Lower-bound	.004	.081
Direction * Bin * Group	Sphericity Assumed	.262	.022
	Greenhouse-Geisser	.289	.022
	Huynh-Feldt	.269	.022
	Lower-bound	.333	.022
Error(Direction*Bin)	Sphericity Assumed		
	Greenhouse-Geisser		

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F
	Huynh-Feldt	2963682.074	2713.361	1092.255	
	Lower-bound	2963682.074	98.000	30241.654	

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Sig.	Partial Eta Squared
	Huynh-Feldt		
	Lower-bound		

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Direction	Bin	Type III Sum of Squares	df	Mean Square	F
Direction	Linear		103383.405	1	103383.405	78.866
	Quadratic		249985.424	1	249985.424	99.420
	Cubic		81.325	1	81.325	.057
Direction * Group	Linear		54457.421	2	27228.711	20.771
	Quadratic		27175.402	2	13587.701	5.404
	Cubic		6064.549	2	3032.274	2.129
Error(Direction)	Linear		128465.228	98	1310.870	
	Quadratic		246414.532	98	2514.434	
	Cubic		139549.765	98	1423.977	
Bin		Linear	507519.067	1	507519.067	117.300
		Quadratic	160497.182	1	160497.182	28.250
		Cubic	36975.822	1	36975.822	12.191
		Order 4	4993.126	1	4993.126	2.543
		Order 5	781.743	1	781.743	.741
		Order 6	305.032	1	305.032	.289
		Order 7	504.568	1	504.568	.463
		Order 8	101.531	1	101.531	.095
		Order 9	830.301	1	830.301	.726
		Order 10	10984.358	1	10984.358	7.376
Bin * Group		Linear	35049.622	2	17524.811	4.050
		Quadratic	14983.500	2	7491.750	1.319

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Direction	Bin	Sig.	Partial Eta Squared
Direction	Linear		<.001	.446
	Quadratic		<.001	.504
	Cubic		.812	.001
Direction * Group	Linear		<.001	.298
	Quadratic		.006	.099
	Cubic		.124	.042
Error(Direction)	Linear			
	Quadratic			
	Cubic			
Bin		Linear	<.001	.545
		Quadratic	<.001	.224
		Cubic	<.001	.111
		Order 4	.114	.025
		Order 5	.391	.008
		Order 6	.592	.003
		Order 7	.498	.005
		Order 8	.759	.001
		Order 9	.396	.007
		Order 10	.008	.070
Bin * Group		Linear	.020	.076
		Quadratic	.272	.026

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Direction	Bin	Type III Sum of Squares	df	Mean Square	F
		Cubic	9529.080	2	4764.540	1.571
		Order 4	1487.849	2	743.925	.379
		Order 5	23.420	2	11.710	.011
		Order 6	1528.940	2	764.470	.723
		Order 7	1756.529	2	878.265	.806
		Order 8	764.141	2	382.070	.356
		Order 9	1790.247	2	895.124	.783
		Order 10	254.074	2	127.037	.085
Error(Bin)		Linear	424013.312	98	4326.666	
		Quadratic	556775.944	98	5681.387	
		Cubic	297229.209	98	3032.951	
		Order 4	192419.953	98	1963.469	
		Order 5	103339.201	98	1054.482	
		Order 6	103611.238	98	1057.258	
		Order 7	106838.472	98	1090.188	
		Order 8	105231.139	98	1073.787	
		Order 9	112087.531	98	1143.750	
		Order 10	145940.863	98	1489.192	
Direction * Bin	Linear	Linear	50194.614	1	50194.614	31.451
		Quadratic	705.122	1	705.122	.508
		Cubic	4713.625	1	4713.625	4.447
		Order 4	421.157	1	421.157	.379
		Order 5	932.765	1	932.765	1.384
		Order 6	312.712	1	312.712	.393
		Order 7	449.928	1	449.928	.542
		Order 8	679.657	1	679.657	.944
		Order 9	227.181	1	227.181	.212
		Order 10	814.551	1	814.551	.766
	Quadratic	Linear	149489.128	1	149489.128	131.852
		Quadratic	1299.023	1	1299.023	.820
		Cubic	5360.314	1	5360.314	5.212
		Order 4	917.925	1	917.925	1.101
		Order 5	814.580	1	814.580	1.003
		Order 6	4410.647	1	4410.647	5.170

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Direction	Bin	Sig.	Partial Eta Squared
		Cubic	.213	.031
		Order 4	.686	.008
		Order 5	.989	.000
		Order 6	.488	.015
		Order 7	.450	.016
		Order 8	.702	.007
		Order 9	.460	.016
		Order 10	.918	.002
Error(Bin)		Linear		
		Quadratic		
		Cubic		
		Order 4		
		Order 5		
		Order 6		
		Order 7		
		Order 8		
		Order 9		
		Order 10		
Direction * Bin	Linear	Linear	<.001	.243
		Quadratic	.478	.005
		Cubic	.038	.043
		Order 4	.540	.004
		Order 5	.242	.014
		Order 6	.532	.004
		Order 7	.463	.005
		Order 8	.334	.010
		Order 9	.646	.002
		Order 10	.384	.008
	Quadratic	Linear	<.001	.574
		Quadratic	.367	.008
		Cubic	.025	.051
		Order 4	.297	.011
		Order 5	.319	.010
		Order 6	.025	.050

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Direction	Bin	Type III Sum of Squares	df	Mean Square	F
		Order 7	46.544	1	46.544	.061
		Order 8	139.350	1	139.350	.151
		Order 9	923.043	1	923.043	1.167
		Order 10	920.280	1	920.280	.755
	Cubic	Linear	19099.788	1	19099.788	19.400
		Quadratic	4299.185	1	4299.185	4.599
		Cubic	2158.769	1	2158.769	2.714
		Order 4	1586.405	1	1586.405	1.577
		Order 5	5025.148	1	5025.148	4.966
		Order 6	8.164	1	8.164	.010
		Order 7	1473.316	1	1473.316	1.170
		Order 8	127.137	1	127.137	.113
		Order 9	2415.911	1	2415.911	2.043
		Order 10	45.707	1	45.707	.051
Direction * Bin * Group	Linear	Linear	4422.593	2	2211.296	1.386
		Quadratic	4694.953	2	2347.477	1.692
		Cubic	5833.793	2	2916.897	2.752
		Order 4	462.016	2	231.008	.208
		Order 5	3734.318	2	1867.159	2.771
		Order 6	1487.858	2	743.929	.936
		Order 7	121.227	2	60.613	.073
		Order 8	1265.216	2	632.608	.878
		Order 9	62.315	2	31.157	.029
		Order 10	1977.836	2	988.918	.930
	Quadratic	Linear	2112.242	2	1056.121	.932
		Quadratic	3514.165	2	1757.082	1.109
		Cubic	2455.345	2	1227.673	1.194
		Order 4	1439.921	2	719.961	.864
		Order 5	392.918	2	196.459	.242
		Order 6	134.473	2	67.236	.079
		Order 7	268.192	2	134.096	.176
		Order 8	129.081	2	64.540	.070
		Order 9	763.119	2	381.559	.483
		Order 10	823.595	2	411.798	.338

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Direction	Bin	Sig.	Partial Eta Squared
		Order 7	.805	.001
		Order 8	.698	.002
		Order 9	.283	.012
		Order 10	.387	.008
	Cubic	Linear	<.001	.165
		Quadratic	.034	.045
		Cubic	.103	.027
		Order 4	.212	.016
		Order 5	.028	.048
		Order 6	.919	.000
		Order 7	.282	.012
		Order 8	.737	.001
		Order 9	.156	.020
		Order 10	.822	.001
Direction * Bin * Group	Linear	Linear	.255	.027
		Quadratic	.189	.033
		Cubic	.069	.053
		Order 4	.813	.004
		Order 5	.068	.054
		Order 6	.396	.019
		Order 7	.930	.001
		Order 8	.419	.018
		Order 9	.971	.001
		Order 10	.398	.019
	Quadratic	Linear	.397	.019
		Quadratic	.334	.022
		Cubic	.307	.024
		Order 4	.425	.017
		Order 5	.786	.005
		Order 6	.924	.002
		Order 7	.839	.004
		Order 8	.932	.001
		Order 9	.619	.010
		Order 10	.714	.007

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Direction	Bin	Type III Sum of Squares	df	Mean Square	F
	Cubic	Linear	2188.878	2	1094.439	1.112
		Quadratic	3263.664	2	1631.832	1.746
		Cubic	761.230	2	380.615	.478
		Order 4	1033.459	2	516.730	.514
		Order 5	2248.526	2	1124.263	1.111
		Order 6	2951.050	2	1475.525	1.863
		Order 7	1078.465	2	539.233	.428
		Order 8	3001.421	2	1500.711	1.336
		Order 9	4796.296	2	2398.148	2.028
		Order 10	9757.926	2	4878.963	5.403
Error(Direction*Bin)	Linear	Linear	156403.771	98	1595.957	
		Quadratic	135927.220	98	1387.012	
		Cubic	103883.293	98	1060.034	
		Order 4	109035.110	98	1112.603	
		Order 5	66032.418	98	673.800	
		Order 6	77884.114	98	794.736	
		Order 7	81399.174	98	830.604	
		Order 8	70576.251	98	720.166	
		Order 9	105180.400	98	1073.269	
		Order 10	104259.761	98	1063.875	
	Quadratic	Linear	111109.277	98	1133.768	
		Quadratic	155216.511	98	1583.842	
		Cubic	100782.544	98	1028.393	
		Order 4	81674.438	98	833.413	
		Order 5	79582.131	98	812.063	
		Order 6	83609.658	98	853.160	
		Order 7	74537.203	98	760.584	
		Order 8	90340.149	98	921.838	
		Order 9	77489.615	98	790.710	
		Order 10	119421.124	98	1218.583	
	Cubic	Linear	96484.908	98	984.540	
		Quadratic	91610.655	98	934.803	
		Cubic	77958.870	98	795.499	
		Order 4	98595.647	98	1006.078	

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Direction	Bin	Sig.	Partial Eta Squared
	Cubic	Linear	.333	.022
		Quadratic	.180	.034
		Cubic	.621	.010
		Order 4	.600	.010
		Order 5	.333	.022
		Order 6	.161	.037
		Order 7	.653	.009
		Order 8	.268	.027
		Order 9	.137	.040
		Order 10	.006	.099
Error(Direction*Bin)	Linear	Linear		
		Quadratic		
		Cubic		
		Order 4		
		Order 5		
		Order 6		
		Order 7		
		Order 8		
		Order 9		
		Order 10		
	Quadratic	Linear		
		Quadratic		
		Cubic		
		Order 4		
		Order 5		
		Order 6		
		Order 7		
		Order 8		
		Order 9		
		Order 10		
	Cubic	Linear		
		Quadratic		
		Cubic		
		Order 4		

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Direction	Bin	Type III Sum of Squares	df	Mean Square	F
		Order 5	99158.648	98	1011.823	
		Order 6	77622.104	98	792.062	
		Order 7	123444.671	98	1259.639	
		Order 8	110106.219	98	1123.533	
		Order 9	115864.480	98	1182.291	
		Order 10	88491.712	98	902.977	

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	Direction	Bin	Sig.	Partial Eta Squared
		Order 5		
		Order 6		
		Order 7		
		Order 8		
		Order 9		
		Order 10		

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	4552029.950	1	4552029.950	710.805	<.001	.879
Group	77728.932	2	38864.466	6.069	.003	.110
Error	627597.057	98	6404.052			

Post Hoc Tests

Group

Multiple Comparisons

Measure: MEASURE_1

Bonferroni

(I) Group	(J) Group	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
IS	READ	5.695402878	2.905040142	.158	-1.38060181	12.77140756
	RL	-4.54188840	2.971382719	.389	-11.7794882	2.695711432
READ	IS	-5.69540288	2.905040142	.158	-12.7714076	1.380601806
	RL	-10.2372913*	2.950729939	.002	-17.4245857	-3.04999683
RL	IS	4.541888399	2.971382719	.389	-2.69571143	11.77948823
	READ	10.2372913*	2.950729939	.002	3.049996833	17.42458572

Based on observed means.

The error term is Mean Square(Error) = 145.547.

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