

Oneway

[DataSet1] /Users/jonathantang/Documents/University of Sheffield/Research/Listening Study/Felt Study Analysis/ListeningData_20240320.sav

Descriptives

		N	Mean	Std. Deviation	Std. Error
Age	0	102	19.70	4.500	.446
	1	105	21.01	1.411	.138
	2	100	20.63	1.447	.145
	Total	307	20.45	2.889	.165
1=No schooling; 2=Primary; 3=Secondary; 4=Higher secondary; 5=College/Uni; 6=Postgrad; 7=Other	0	102	4.25	.604	.060
	1	107	4.55	.780	.075
	2	100	4.25	.626	.063
	Total	309	4.35	.690	.039
1=Non-musician; 2=Music loving non- musician; 3=Amateur musician; 4=Serious amateur; 5=Semi- professional; 6=Professional	0	102	2.35	.930	.092
	1	107	4.65	1.082	.105
	2	100	2.31	.861	.086
	Total	309	3.14	1.466	.083
YearsMus	0	102	3.6389	3.99943	.39600
	1	107	7.2196	4.05282	.39180
	2	100	3.0500	3.64768	.36477
	Total	309	4.6883	4.31707	.24559

Descriptives

		95% Confidence Interval for Mean			
		Lower Bound	Upper Bound	Minimum	Maximum
Age	0	18.81	20.58	18	51
	1	20.74	21.28	18	26
	2	20.34	20.92	18	24
	Total	20.13	20.77	18	51
1=No schooling; 2=Primary; 3=Secondary; 4=Higher secondary; 5=College/Uni; 6=Postgrad; 7=Other	0	4.13	4.36	4	7
	1	4.40	4.70	3	7
	2	4.13	4.37	4	7
	Total	4.28	4.43	3	7
1=Non-musician; 2=Music loving non- musician; 3=Amateur musician; 4=Serious amateur; 5=Semi- professional; 6=Professional	0	2.17	2.54	1	5
	1	4.45	4.86	1	6
	2	2.14	2.48	1	5
	Total	2.97	3.30	1	6
YearsMus	0	2.8534	4.4245	.00	15.00
	1	6.4428	7.9964	.00	20.00
	2	2.3262	3.7738	.00	13.00
	Total	4.2050	5.1715	.00	20.00

Tests of Homogeneity of Variances

		Levene Statistic	df1	df2
Age	Based on Mean	7.613	2	304
	Based on Median	1.359	2	304
	Based on Median and with adjusted df	1.359	2	114.453
	Based on trimmed mean	2.336	2	304
1=No schooling; 2=Primary; 3=Secondary; 4=Higher secondary; 5=College/Uni; 6=Postgrad; 7=Other	Based on Mean	11.163	2	306
	Based on Median	8.080	2	306
	Based on Median and with adjusted df	8.080	2	291.637
	Based on trimmed mean	13.497	2	306
1=Non-musician; 2=Music loving non- musician; 3=Amateur musician; 4=Serious amateur; 5=Semi- professional; 6=Professional	Based on Mean	3.370	2	306
	Based on Median	2.339	2	306
	Based on Median and with adjusted df	2.339	2	302.873
	Based on trimmed mean	3.102	2	306
YearsMus	Based on Mean	1.101	2	306
	Based on Median	.563	2	306
	Based on Median and with adjusted df	.563	2	302.378
	Based on trimmed mean	1.033	2	306

Tests of Homogeneity of Variances

		Sig.
Age	Based on Mean	<.001
	Based on Median	.259
	Based on Median and with adjusted df	.261
	Based on trimmed mean	.098
1=No schooling; 2=Primary; 3=Secondary; 4=Higher secondary; 5=College/Uni; 6=Postgrad; 7=Other	Based on Mean	<.001
	Based on Median	<.001
	Based on Median and with adjusted df	<.001
	Based on trimmed mean	<.001
1=Non-musician; 2=Music loving non-musician; 3=Amateur musician; 4=Serious amateur; 5=Semi-professional; 6=Professional	Based on Mean	.036
	Based on Median	.098
	Based on Median and with adjusted df	.098
	Based on trimmed mean	.046
YearsMus	Based on Mean	.334
	Based on Median	.570
	Based on Median and with adjusted df	.570
	Based on trimmed mean	.357

ANOVA

		Sum of Squares	df	Mean Square
Age	Between Groups	94.089	2	47.044
	Within Groups	2459.879	304	8.092
	Total	2553.967	306	
1=No schooling; 2=Primary; 3=Secondary; 4=Higher secondary; 5=College/Uni; 6=Postgrad; 7=Other	Between Groups	6.460	2	3.230
	Within Groups	140.090	306	.458
	Total	146.550	308	
1=Non-musician; 2=Music loving non- musician; 3=Amateur musician; 4=Serious amateur; 5=Semi- professional; 6=Professional	Between Groups	377.402	2	188.701
	Within Groups	284.890	306	.931
	Total	662.291	308	
YearsMus	Between Groups	1066.339	2	533.170
	Within Groups	4673.879	306	15.274
	Total	5740.218	308	

ANOVA

		F	Sig.
Age	Between Groups	5.814	.003
	Within Groups		
	Total		
1=No schooling; 2=Primary; 3=Secondary; 4=Higher secondary; 5=College/Uni; 6=Postgrad; 7=Other	Between Groups	7.056	.001
	Within Groups		
	Total		
1=Non-musician; 2=Music loving non- musician; 3=Amateur musician; 4=Serious amateur; 5=Semi- professional; 6=Professional	Between Groups	202.683	<.001
	Within Groups		
	Total		
YearsMus	Between Groups	34.907	<.001
	Within Groups		
	Total		

Post Hoc Tests

Multiple Comparisons

Tukey HSD

Dependent Variable	(I) 0=UK, 1=CN, 2=SG	(J) 0=UK, 1=CN, 2=SG	Mean Difference (I-J)
Age	0	1	-1.313 *
		2	-.934
	1	0	1.313 *
		2	.380
	2	0	.934
		1	-.380
1=No schooling; 2=Primary; 3=Secondary; 4=Higher secondary; 5=College/Uni; 6=Postgrad; 7=Other	0	1	-.306 *
		2	-.005
	1	0	.306 *
		2	.301 *
	2	0	.005
		1	-.301 *
1=Non-musician; 2=Music loving non- musician; 3=Amateur musician; 4=Serious amateur; 5=Semi- professional; 6=Professional	0	1	-2.301 *
		2	.043
	1	0	2.301 *
		2	2.344 *
	2	0	-.043
		1	-2.344 *
YearsMus	0	1	-3.58070 *
		2	.58892
	1	0	3.58070 *
		2	4.16963 *
	2	0	-.58892
		1	-4.16963 *

Multiple Comparisons

Tukey HSD

Dependent Variable	(I) 0=UK, 1=CN, 2=SG	(J) 0=UK, 1=CN, 2=SG	Std. Error
Age	0	1	.395
		2	.400
	1	0	.395
		2	.397
	2	0	.400
		1	.397
1=No schooling; 2=Primary; 3=Secondary; 4=Higher secondary; 5=College/Uni; 6=Postgrad; 7=Other	0	1	.094
		2	.095
	1	0	.094
		2	.094
	2	0	.095
		1	.094
1=Non-musician; 2=Music loving non- musician; 3=Amateur musician; 4=Serious amateur; 5=Semi- professional; 6=Professional	0	1	.134
		2	.136
	1	0	.134
		2	.134
	2	0	.136
		1	.134
YearsMus	0	1	.54083
		2	.54999
	1	0	.54083
		2	.54359
	2	0	.54999
		1	.54359

Multiple Comparisons

Tukey HSD

Dependent Variable	(I) 0=UK, 1=CN, 2=SG	(J) 0=UK, 1=CN, 2=SG	Sig.
Age	0	1	.003
		2	.053
	1	0	.003
		2	.606
	2	0	.053
		1	.606
1=No schooling; 2=Primary; 3=Secondary; 4=Higher secondary; 5=College/Uni; 6=Postgrad; 7=Other	0	1	.003
		2	.999
	1	0	.003
		2	.004
	2	0	.999
		1	.004
1=Non-musician; 2=Music loving non- musician; 3=Amateur musician; 4=Serious amateur; 5=Semi- professional; 6=Professional	0	1	<.001
		2	.946
	1	0	<.001
		2	<.001
	2	0	.946
		1	<.001
YearsMus	0	1	<.001
		2	.533
	1	0	<.001
		2	<.001
	2	0	.533
		1	<.001

Multiple Comparisons

Tukey HSD

Dependent Variable	(I) 0=UK, 1=CN, 2=SG	(J) 0=UK, 1=CN, 2=SG	95% ...
			Lower Bound
Age	0	1	-2.24
		2	-1.88
	1	0	.38
		2	-.56
	2	0	-.01
		1	-1.32
1=No schooling; 2=Primary; 3=Secondary; 4=Higher secondary; 5=College/Uni; 6=Postgrad; 7=Other	0	1	-.53
		2	-.23
	1	0	.09
		2	.08
	2	0	-.22
		1	-.52
1=Non-musician; 2=Music loving non- musician; 3=Amateur musician; 4=Serious amateur; 5=Semi- professional; 6=Professional	0	1	-2.62
		2	-.28
	1	0	1.99
		2	2.03
	2	0	-.36
		1	-2.66
YearsMus	0	1	-4.8544
		2	-.7064
	1	0	2.3070
		2	2.8894
	2	0	-1.8842
		1	-5.4499

Multiple Comparisons

Tukey HSD

95% Confidence .

Dependent Variable	(I) 0=UK, 1=CN, 2=SG	(J) 0=UK, 1=CN, 2=SG	Upper Bound
Age	0	1	-.38
		2	.01
	1	0	2.24
		2	1.32
	2	0	1.88
		1	.56
1=No schooling; 2=Primary; 3=Secondary; 4=Higher secondary; 5=College/Uni; 6=Postgrad; 7=Other	0	1	-.09
		2	.22
	1	0	.53
		2	.52
	2	0	.23
		1	-.08
1=Non-musician; 2=Music loving non- musician; 3=Amateur musician; 4=Serious amateur; 5=Semi- professional; 6=Professional	0	1	-1.99
		2	.36
	1	0	2.62
		2	2.66
	2	0	.28
		1	-2.03
YearsMus	0	1	-2.3070
		2	1.8842
	1	0	4.8544
		2	5.4499
	2	0	.7064
		1	-2.8894

*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

Age

Tukey HSD^{a,b}

0=UK, 1=CN, 2=SG	N	Subset for alpha = 0.05	
		1	2
0	102	19.70	
2	100	20.63	20.63
1	105		21.01
Sig.		.051	.606

Means for groups in homogeneous subsets are displayed.

- Uses Harmonic Mean Sample Size = 102.292.
- The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

**1=No schooling; 2=Primary; 3=Secondary;
4=Higher secondary; 5=College/Uni;
6=Postgrad; 7=Other**

Tukey HSD^{a,b}

0=UK, 1=CN, 2=SG	N	Subset for alpha = 0.05	
		1	2
0	102	4.25	
2	100	4.25	
1	107		4.55
Sig.		.999	1.000

Means for groups in homogeneous subsets are displayed.

- Uses Harmonic Mean Sample Size = 102.917.
- The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

1=Non-musician; 2=Music loving non-musician; 3=Amateur musician; 4=Serious amateur; 5=Semi-professional; 6=Professional

Tukey HSD^{a,b}

		Subset for alpha = 0.05	
0=UK, 1=CN, 2=SG	N	1	2
2	100	2.31	
0	102	2.35	
1	107		4.65
Sig.		.945	1.000

Means for groups in homogeneous subsets are displayed.

- Uses Harmonic Mean Sample Size = 102.917.
- The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

YearsMus

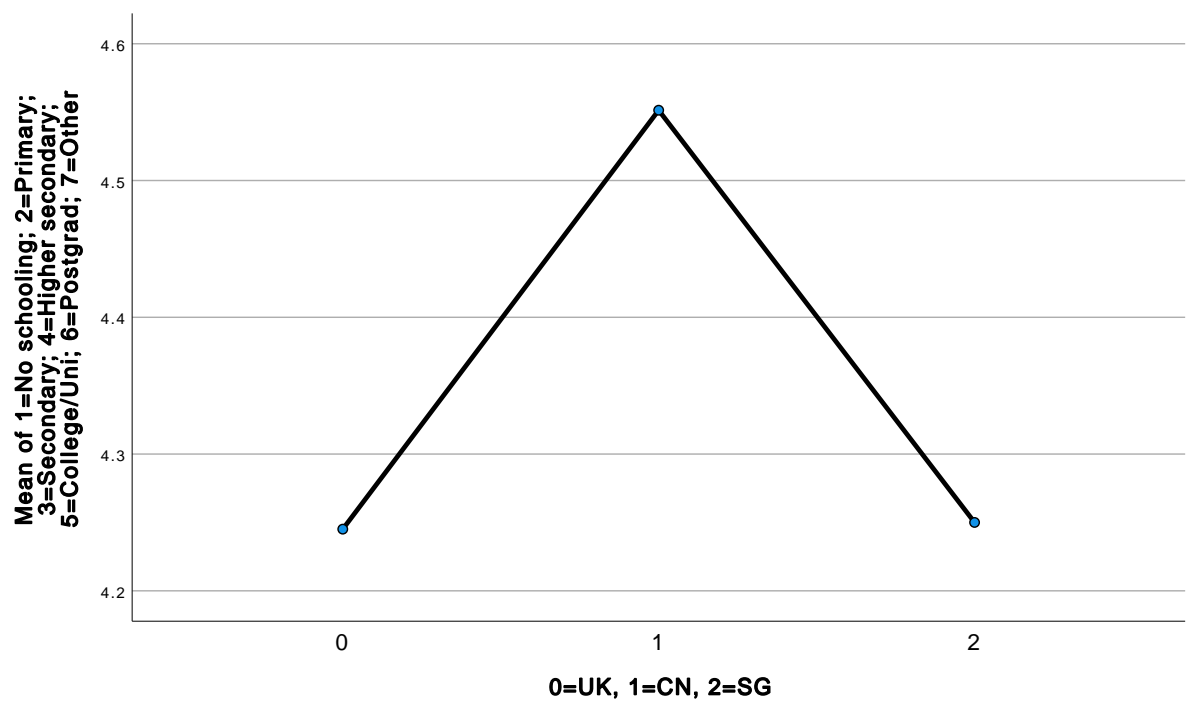
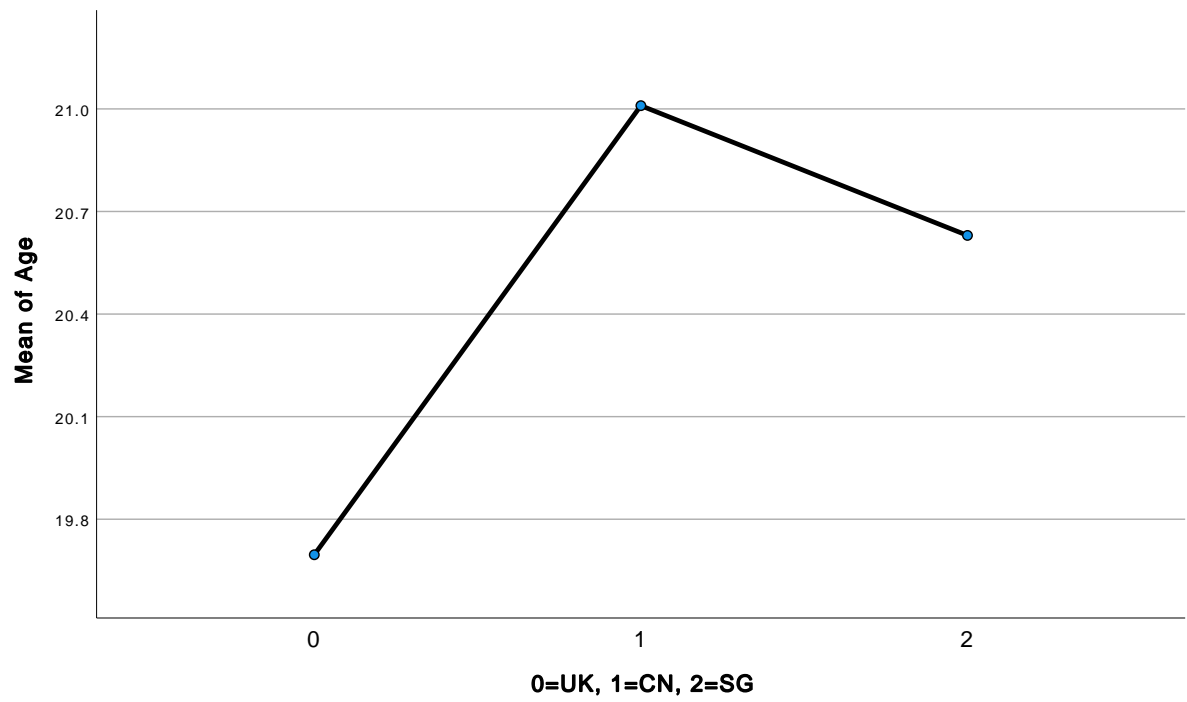
Tukey HSD^{a,b}

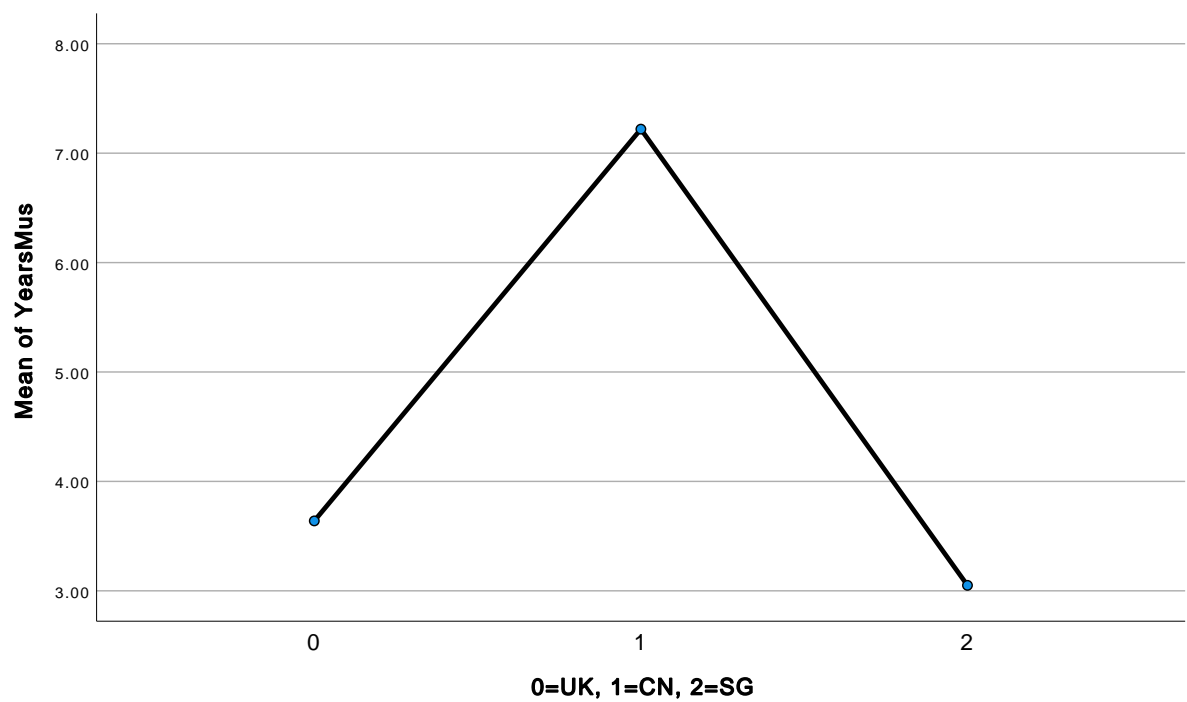
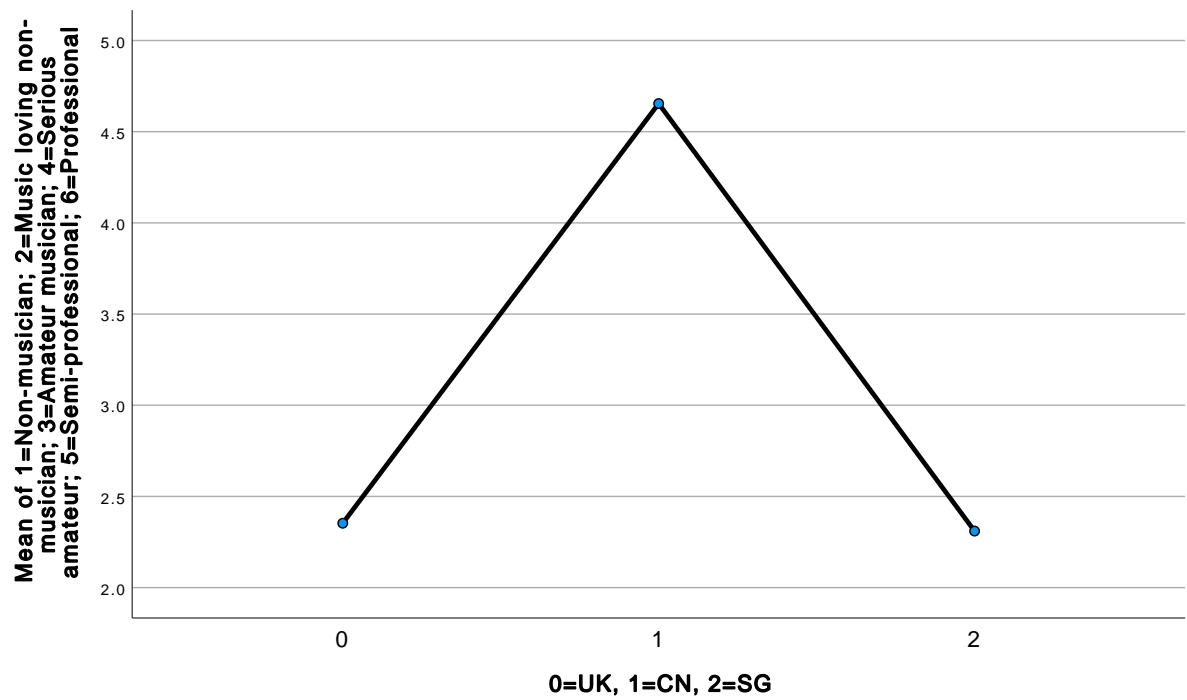
		Subset for alpha = 0.05	
0=UK, 1=CN, 2=SG	N	1	2
2	100	3.0500	
0	102	3.6389	
1	107		7.2196
Sig.		.527	1.000

Means for groups in homogeneous subsets are displayed.

- Uses Harmonic Mean Sample Size = 102.917.
- 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 Interval for Mean Lower Bound
SSC - Independent	0	102	4.5656	.71461	.07076	4.4252
	1	107	4.7890	.64231	.06209	4.6659
	2	100	4.6741	.76407	.07641	4.5225
	Total	309	4.6781	.71103	.04045	4.5985
SSC - Interdependent	0	102	4.7274	.60499	.05990	4.6085
	1	107	4.8293	.60262	.05826	4.7138
	2	100	5.0245	.68670	.06867	4.8882
	Total	309	4.8588	.64149	.03649	4.7870

Descriptives

		95% Confidence Interval for Mean Upper Bound	Minimum	Maximum
SSC - Independent	0	4.7060	2.80	6.00
	1	4.9121	2.73	6.67
	2	4.8257	2.67	6.40
	Total	4.7577	2.67	6.67
SSC - Interdependent	0	4.8462	1.87	6.40
	1	4.9448	3.13	6.47
	2	5.1608	3.47	6.67
	Total	4.9306	1.87	6.67

Tests of Homogeneity of Variances

		Levene Statistic	df1	df2
SSC - Independent	Based on Mean	2.141	2	306
	Based on Median	1.977	2	306
	Based on Median and with adjusted df	1.977	2	301.320
	Based on trimmed mean	2.121	2	306
SSC - Interdependent	Based on Mean	2.296	2	306
	Based on Median	1.909	2	306
	Based on Median and with adjusted df	1.909	2	302.367
	Based on trimmed mean	2.265	2	306

Tests of Homogeneity of Variances

		Sig.
SSC - Independent	Based on Mean	.119
	Based on Median	.140
	Based on Median and with adjusted df	.140
	Based on trimmed mean	.122
SSC - Interdependent	Based on Mean	.102
	Based on Median	.150
	Based on Median and with adjusted df	.150
	Based on trimmed mean	.106

ANOVA

		Sum of Squares	df	Mean Square	F
SSC - Independent	Between Groups	2.608	2	1.304	2.606
	Within Groups	153.107	306	.500	
	Total	155.715	308		
SSC - Interdependent	Between Groups	4.601	2	2.301	5.764
	Within Groups	122.145	306	.399	
	Total	126.747	308		

ANOVA

		Sig.
SSC - Independent	Between Groups	.075
	Within Groups	
	Total	
SSC - Interdependent	Between Groups	.003
	Within Groups	
	Total	

Post Hoc Tests

Multiple Comparisons

Tukey HSD

Dependent Variable	(I) 0=UK, 1=CN, 2=SG	(J) 0=UK, 1=CN, 2=SG	Mean Difference (I-J)
SSC - Independent	0	1	-.22338
		2	-.10851
	1	0	.22338
		2	.11487
	2	0	.10851
		1	-.11487
SSC - Interdependent	0	1	-.10190
		2	-.29715 *
	1	0	.10190
		2	-.19525
	2	0	.29715 *
		1	.19525

Multiple Comparisons

Tukey HSD

Dependent Variable	(I) 0=UK, 1=CN, 2=SG	(J) 0=UK, 1=CN, 2=SG	Std. Error	Sig.
SSC - Independent	0	1	.09789	.060
		2	.09954	.521
	1	0	.09789	.060
		2	.09839	.473
	2	0	.09954	.521
		1	.09839	.473
SSC - Interdependent	0	1	.08743	.475
		2	.08891	.003
	1	0	.08743	.475
		2	.08788	.069
	2	0	.08891	.003
		1	.08788	.069

Multiple Comparisons

Tukey HSD

			95% ...
Dependent Variable	(I) 0=UK, 1=CN, 2=SG	(J) 0=UK, 1=CN, 2=SG	Lower Bound
SSC - Independent	0	1	-.4539
		2	-.3430
	1	0	-.0072
		2	-.1168
	2	0	-.1259
		1	-.3466
SSC - Interdependent	0	1	-.3078
		2	-.5065
	1	0	-.1040
		2	-.4022
	2	0	.0877
		1	-.0117

Multiple Comparisons

Tukey HSD

			95% Confidence .
Dependent Variable	(I) 0=UK, 1=CN, 2=SG	(J) 0=UK, 1=CN, 2=SG	Upper Bound
SSC - Independent	0	1	.0072
		2	.1259
	1	0	.4539
		2	.3466
	2	0	.3430
		1	.1168
SSC - Interdependent	0	1	.1040
		2	-.0877
	1	0	.3078
		2	.0117
	2	0	.5065
		1	.4022

*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

SSC - Independent

Tukey HSD^{a,b}

0=UK, 1=CN, 2=SG	N	Subset for alpha = 0.05
		1
0	102	4.5656
2	100	4.6741
1	107	4.7890
Sig.		.062

Means for groups in homogeneous subsets are displayed.

- Uses Harmonic Mean Sample Size = 102.917.
- The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

SSC - Interdependent

Tukey HSD^{a,b}

0=UK, 1=CN, 2=SG	N	Subset for alpha = 0.05	
		1	2
0	102	4.7274	
1	107	4.8293	4.8293
2	100		5.0245
Sig.		.480	.070

Means for groups in homogeneous subsets are displayed.

- Uses Harmonic Mean Sample Size = 102.917.
- The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

Means Plots

