Explore

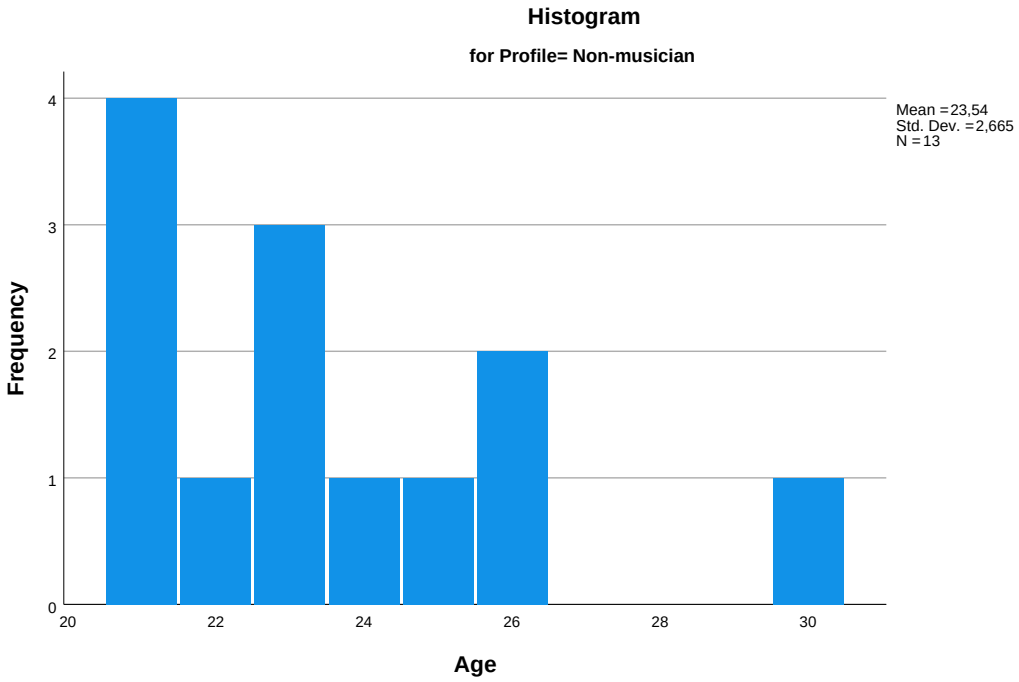
Profile

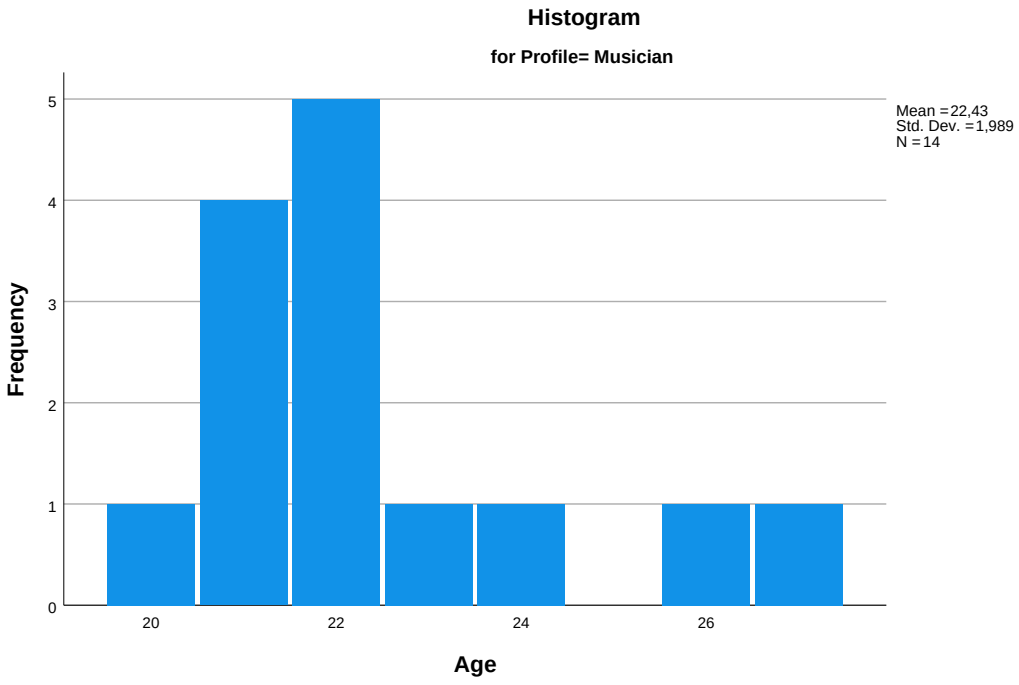
Descriptives

	Profile			Statistic	Std. Error
Age	Non-musician	Mean		23,54	,739
		95% Confidence Interval for Mean	Lower Bound	21,93	
			Upper Bound	25,15	
		5% Trimmed Mean		23,32	
		Median		23,00	
		Variance		7,103	
		Std. Deviation		2,665	
		Minimum		21	
		Maximum		30	
		Range		9	
		Interquartile Range		5	
		Skewness		1,214	,616
		Kurtosis		1,520	1,191
	Musician	Mean		22,43	,532
		95% Confidence Interval for Mean	Lower Bound	21,28	
			Upper Bound	23,58	
		5% Trimmed Mean		22,31	
		Median		22,00	
		Variance		3,956	
		Std. Deviation		1,989	
		Minimum		20	
		Maximum		27	
		Range		7	
		Interquartile Range		2	
		Skewness		1,355	,597
		Kurtosis		1,298	1,154

Age

Histograms



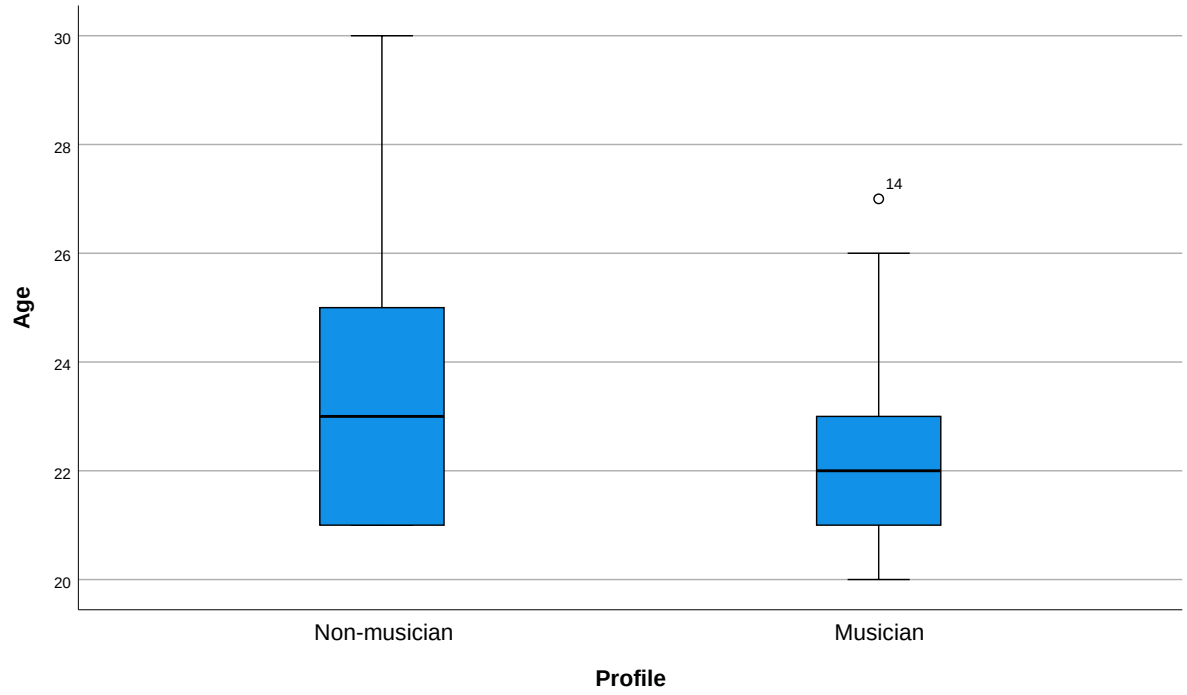


Stem-and-Leaf Plots

```
Age Stem-and-Leaf Plot for
Profile= Non-musician

 Frequency    Stem &  Leaf

     9,00        2 .  111123334
```

```
    3,00        2 .  566
    1,00        3 .  0

 Stem width:  10
 Each leaf:        1 case(s)
```

```
Age Stem-and-Leaf Plot for
Profile= Musician

 Frequency    Stem &  Leaf

    5,00        2 .  01111
    6,00        2 .  222223
    1,00        2 .  4
    1,00        2 .  6
    1,00 Extremes    (>=27)

 Stem width:  10
 Each leaf:        1 case(s)
```



NPar Tests

Mann-Whitney Test

Ranks

	Profile	N	Mean Rank	Sum of Ranks
Age	Non-musician	13	15,73	204,50
	Musician	14	12,39	173,50
	Total	27		

Test Statistics[a]

	Age
Mann-Whitney U	68,500
Wilcoxon W	173,500
Z	-1,115
Asymp. Sig. (2-tailed)	,265
Exact Sig. [2*(1-tailed Sig.)]	,280[b]

a. Grouping Variable: Profile

b. Not corrected for ties.

Crosstabs

Gender * Profile Crosstabulation

Count

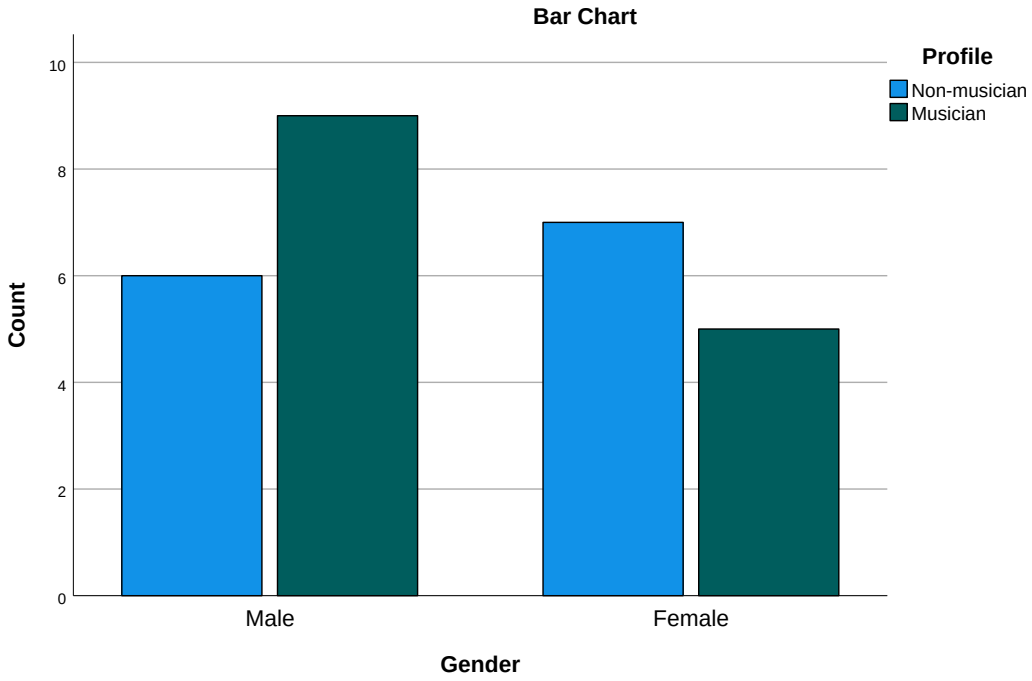
		Profile		
		Non-musician	Musician	Total
Gender	Male	6	9	15
	Female	7	5	12
Total		13	14	27

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	,898[a]	1	,343		
Continuity Correction[b]	,313	1	,576		
Likelihood Ratio	,902	1	,342		
Fisher's Exact Test				,449	,288
Linear-by-Linear Association	,864	1	,353		
N of Valid Cases	27				

a. 0 cells (0,0%) have expected count less than 5. The minimum expected count is 5,78.

b. Computed only for a 2x2 table



Crosstabs

Warnings

No measures of association are computed for the crosstabulation of Stimulus A - Phase 1 pitch variation perception * Profile. At least one variable in each 2-way table upon which measures of association are computed is a constant.

Stimulus A - Phase 1 pitch variation perception * Profile Crosstabulation

Count

		Profile		
		Non-musician	Musician	Total
Stimulus A - Phase 1 pitch variation perception	Yes	13	14	27
Total		13	14	27

Chi-Square Tests

	Value
Pearson Chi-Square	.[a]
N of Valid Cases	27

a. No statistics are computed because Stimulus A - Phase 1 pitch variation perception is a constant.

Crosstabs

Stimulus A - Phase 1 uncategorized pitch mappings * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus A - Phase 1 uncategorized pitch mappings	Screen axis (vertical)	8	61,5%	6	42,9%
	Screen axis (horizontal)	2	15,4%	3	21,4%
	Touch pressure	0	0,0%	1	7,1%
	Device position (vertical)	2	15,4%	2	14,3%
	Device angle (roll)	0	0,0%	1	7,1%
	Device position (vertical) and touch area	1	7,7%	0	0,0%
	Screen axis (horizontal) and device angle (pitch)	0	0,0%	1	7,1%
Total		13	100,0%	14	100,0%

Crosstab

		Total	
		N	%
Stimulus A - Phase 1 uncategorized pitch mappings	Screen axis (vertical)	14	51,9%
	Screen axis (horizontal)	5	18,5%
	Touch pressure	1	3,7%
	Device position (vertical)	4	14,8%
	Device angle (roll)	1	3,7%
	Device position (vertical) and touch area	1	3,7%
	Screen axis (horizontal) and device angle (pitch)	1	3,7%
Total		27	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	4,455[a]	6	,615
Likelihood Ratio	5,996	6	,424
Linear-by-Linear Association	,371	1	,542
N of Valid Cases	27		

a. 12 cells (85,7%) have expected count less than 5. The minimum expected count is ,48.

Stimulus A - Phase 1 pitch mapping reasons * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus A - Phase 1 pitch mapping reasons	Instrument mimicking	4	30,8%	7	50,0%
	Graphical representation	2	15,4%	1	7,1%
	Intuition	3	23,1%	1	7,1%
	Physical mapping	1	7,7%	0	0,0%
	Musical bias	2	15,4%	4	28,6%
	Complementing other mappings	1	7,7%	0	0,0%
	Instrument mimicking and physical mapping	0	0,0%	1	7,1%
Total		13	100,0%	14	100,0%

Crosstab

		Total	
		N	%
Stimulus A - Phase 1 pitch mapping reasons	Instrument mimicking	11	40,7%
	Graphical representation	3	11,1%
	Intuition	4	14,8%
	Physical mapping	1	3,7%
	Musical bias	6	22,2%
	Complementing other mappings	1	3,7%
	Instrument mimicking and physical mapping	1	3,7%
Total		27	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	5,789[a]	6	,447
Likelihood Ratio	7,016	6	,319
Linear-by-Linear Association	,004	1	,949
N of Valid Cases	27		

a. 12 cells (85,7%) have expected count less than 5. The minimum expected count is ,48.

Crosstabs

Stimulus B - Phase 1 duration variation perception * Profile Crosstabulation

Count

		Profile		
		Non-musician	Musician	Total
Stimulus B - Phase 1 duration variation perception	Yes	9	14	23
	No	4	0	4
Total		13	14	27

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	5,057[a]	1	,025		
Continuity Correction[b]	2,913	1	,088		
Likelihood Ratio	6,604	1	,010		
Fisher's Exact Test				,041	,041
Linear-by-Linear Association	4,870	1	,027		
N of Valid Cases	27				

a. 2 cells (50,0%) have expected count less than 5. The minimum expected count is 1,93.

b. Computed only for a 2x2 table

Crosstabs

Stimulus B - Phase 1 uncategorized duration mappings * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus B - Phase 1 uncategorized duration mappings	Touch time	6	66,7%	12	85,7%
	Touch drag	1	11,1%	1	7,1%
	Device movement time (unconstrained)	2	22,2%	0	0,0%
	Touch time and device movement time (horizontal)	0	0,0%	1	7,1%
Total		9	100,0%	14	100,0%

Crosstab

		Total	
		N	%
Stimulus B - Phase 1 uncategorized duration mappings	Touch time	18	78,3%
	Touch drag	2	8,7%
	Device movement time (unconstrained)	2	8,7%
	Touch time and device movement time (horizontal)	1	4,3%
Total		23	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	4,107[a]	3	,250
Likelihood Ratio	5,102	3	,164
Linear-by-Linear Association	,002	1	,965
N of Valid Cases	23		

a. 6 cells (75,0%) have expected count less than 5. The minimum expected count is ,39.

Stimulus B - Phase 1 duration mapping reasons * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus B - Phase 1 duration mapping reasons	Instrument mimicking	6	66,7%	11	78,6%
	Graphical representation	1	11,1%	1	7,1%
	Intuition	2	22,2%	1	7,1%
	User Experience	0	0,0%	1	7,1%
Total		9	100,0%	14	100,0%

Crosstab

		Total	
		N	%
Stimulus B - Phase 1 duration mapping reasons	Instrument mimicking	17	73,9%
	Graphical representation	2	8,7%
	Intuition	3	13,0%
	User Experience	1	4,3%
Total		23	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	1,802[a]	3	,614
Likelihood Ratio	2,123	3	,547
Linear-by-Linear Association	,057	1	,811
N of Valid Cases	23		

a. 6 cells (75,0%) have expected count less than 5. The minimum expected count is ,39.

Crosstabs

Stimulus C - Phase 1 amplitude variation perception * Profile Crosstabulation

Count

		Profile		
		Non-musician	Musician	Total
Stimulus C - Phase 1 amplitude variation perception	Yes	10	12	22
	No	3	2	5
Total		13	14	27

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	,345[a]	1	,557		
Continuity Correction[b]	,008	1	,927		
Likelihood Ratio	,346	1	,556		
Fisher's Exact Test				,648	,462
Linear-by-Linear Association	,332	1	,564		
N of Valid Cases	27				

a. 2 cells (50,0%) have expected count less than 5. The minimum expected count is 2,41.

b. Computed only for a 2x2 table

Crosstabs

Stimulus C - Phase 1 uncategorized amplitude mappings * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus C - Phase 1 uncategorized amplitude mappings	Screen axis (vertical)	3	30,0%	4	33,3%
	Screen axis (vertical) - auxiliary touch	1	10,0%	0	0,0%
	Touch pressure	1	10,0%	3	25,0%
	Device position (vertical)	3	30,0%	1	8,3%
	Device angle (roll)	1	10,0%	1	8,3%
	Device angle (pitch)	0	0,0%	1	8,3%
	Device shake intensity	0	0,0%	1	8,3%
	Touch pressure and touch drag	1	10,0%	0	0,0%
	Touch pressure and device shake intensity	0	0,0%	1	8,3%
Total		10	100,0%	12	100,0%

Crosstab

		Total	
		N	%
Stimulus C - Phase 1 uncategorized amplitude mappings	Screen axis (vertical)	7	31,8%
	Screen axis (vertical) - auxiliary touch	1	4,5%
	Touch pressure	4	18,2%
	Device position (vertical)	4	18,2%
	Device angle (roll)	2	9,1%
	Device angle (pitch)	1	4,5%
	Device shake intensity	1	4,5%
	Touch pressure and touch drag	1	4,5%
	Touch pressure and device shake intensity	1	4,5%
Total		22	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	7,019[a]	8	,535
Likelihood Ratio	8,986	8	,344
Linear-by-Linear Association	,196	1	,658
N of Valid Cases	22		

a. 18 cells (100,0%) have expected count less than 5. The minimum expected count is ,45.

Stimulus C - Phase 1 amplitude mapping reasons * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus C - Phase 1 amplitude mapping reasons	Instrument mimicking	3	30,0%	4	33,3%
	Graphical representation	4	40,0%	4	33,3%
	Intuition	3	30,0%	2	16,7%
	Physical mapping	0	0,0%	1	8,3%
	Exploration	0	0,0%	1	8,3%
Total		10	100,0%	12	100,0%

Crosstab

		Total	
		N	%
Stimulus C - Phase 1 amplitude mapping reasons	Instrument mimicking	7	31,8%
	Graphical representation	8	36,4%
	Intuition	5	22,7%
	Physical mapping	1	4,5%
	Exploration	1	4,5%
Total		22	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	2,179[a]	4	,703
Likelihood Ratio	2,935	4	,569
Linear-by-Linear Association	,407	1	,524
N of Valid Cases	22		

a. 10 cells (100,0%) have expected count less than 5. The minimum expected count is ,45.

Crosstabs

Warnings

No measures of association are computed for the crosstabulation of Stimulus D - Phase 1 pitch variation perception * Profile. At least one variable in each 2-way table upon which measures of association are computed is a constant.

Stimulus D - Phase 1 pitch variation perception * Profile

Crosstab

Count

		Profile		
		Non-musician	Musician	Total
Stimulus D - Phase 1 pitch variation perception	Yes	13	14	27
Total		13	14	27

Chi-Square Tests

	Value
Pearson Chi-Square	.[a]
N of Valid Cases	27

a. No statistics are computed because Stimulus D - Phase 1 pitch variation perception is a constant.

Stimulus D - Phase 1 duration variation perception * Profile

Crosstab

Count

		Profile		
		Non-musician	Musician	Total
Stimulus D - Phase 1 duration variation perception	Yes	8	13	21
	No	5	1	6
Total		13	14	27

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	3,825[a]	1	,050		
Continuity Correction[b]	2,228	1	,136		
Likelihood Ratio	4,076	1	,043		
Fisher's Exact Test				,077	,067
Linear-by-Linear Association	3,684	1	,055		
N of Valid Cases	27				

a. 2 cells (50,0%) have expected count less than 5. The minimum expected count is 2,89.

b. Computed only for a 2x2 table

Stimulus D - Phase 1 amplitude variation perception * Profile

Crosstab

Count

		Profile		
		Non-musician	Musician	Total
Stimulus D - Phase 1 amplitude variation perception	Yes	9	10	19
	No	4	4	8
Total		13	14	27

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	,016[a]	1	,901		
Continuity Correction[b]	,000	1	1,000		
Likelihood Ratio	,016	1	,901		
Fisher's Exact Test				1,000	,615
Linear-by-Linear Association	,015	1	,902		
N of Valid Cases	27				

a. 2 cells (50,0%) have expected count less than 5. The minimum expected count is 3,85.

b. Computed only for a 2x2 table

Crosstabs

Stimulus D - Phase 1 uncategorized pitch mappings * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus D - Phase 1 uncategorized pitch mappings	Screen axis (vertical)	8	61,5%	6	42,9%
	Screen axis (horizontal)	2	15,4%	3	21,4%
	Touch pressure	0	0,0%	1	7,1%
	Touch area	1	7,7%	0	0,0%
	Device position (vertical)	2	15,4%	2	14,3%
	Device angle (roll)	0	0,0%	1	7,1%
	Screen axis (horizontal) and device angle (pitch)	0	0,0%	1	7,1%
Total		13	100,0%	14	100,0%

Crosstab

		Total	
		N	%
Stimulus D - Phase 1 uncategorized pitch mappings	Screen axis (vertical)	14	51,9%
	Screen axis (horizontal)	5	18,5%
	Touch pressure	1	3,7%
	Touch area	1	3,7%
	Device position (vertical)	4	14,8%
	Device angle (roll)	1	3,7%
	Screen axis (horizontal) and device angle (pitch)	1	3,7%
Total		27	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	4,455[a]	6	,615
Likelihood Ratio	5,996	6	,424
Linear-by-Linear Association	1,224	1	,269
N of Valid Cases	27		

a. 12 cells (85,7%) have expected count less than 5. The minimum expected count is ,48.

Stimulus D - Phase 1 uncategorized duration mappings * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus D - Phase 1 uncategorized duration mappings	Touch time	5	62,5%	11	84,6%
	Touch drag	0	0,0%	1	7,7%
	Device movement time (unconstrained)	2	25,0%	0	0,0%
	Touch time and touch drag	1	12,5%	0	0,0%
	Touch time and device movement time (horizontal)	0	0,0%	1	7,7%
Total		8	100,0%	13	100,0%

Crosstab

		Total	
		N	%
Stimulus D - Phase 1 uncategorized duration mappings	Touch time	16	76,2%
	Touch drag	1	4,8%
	Device movement time (unconstrained)	2	9,5%
	Touch time and touch drag	1	4,8%
	Touch time and device movement time (horizontal)	1	4,8%
Total		21	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	6,424[a]	4	,170
Likelihood Ratio	8,035	4	,090
Linear-by-Linear Association	,246	1	,620
N of Valid Cases	21		

a. 8 cells (80,0%) have expected count less than 5. The minimum expected count is ,38.

Stimulus D - Phase 1 uncategorized amplitude mappings * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus D - Phase 1 uncategorized amplitude mappings	Screen axis (vertical)	3	33,3%	2	20,0%
	Screen axis (horizontal)	1	11,1%	0	0,0%
	Screen axis (vertical) - auxiliary touch	1	11,1%	0	0,0%
	Touch pressure	2	22,2%	3	30,0%
	Device position (vertical)	1	11,1%	0	0,0%
	Device position (horizontal)	1	11,1%	0	0,0%
	Device angle (roll)	0	0,0%	1	10,0%
	Device angle (pitch)	0	0,0%	1	10,0%
	Device shake intensity	0	0,0%	1	10,0%
	Touch pressure and device position (vertical)	0	0,0%	1	10,0%
	Touch pressure and device shake intensity	0	0,0%	1	10,0%
Total		9	100,0%	10	100,0%

Crosstab

		Total	
		N	%
Stimulus D - Phase 1 uncategorized amplitude mappings	Screen axis (vertical)	5	26,3%
	Screen axis (horizontal)	1	5,3%
	Screen axis (vertical) - auxiliary touch	1	5,3%
	Touch pressure	5	26,3%
	Device position (vertical)	1	5,3%
	Device position (horizontal)	1	5,3%
	Device angle (roll)	1	5,3%
	Device angle (pitch)	1	5,3%
	Device shake intensity	1	5,3%
	Touch pressure and device position (vertical)	1	5,3%
	Touch pressure and device shake intensity	1	5,3%
Total		19	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	9,373[a]	10	,497
Likelihood Ratio	12,827	10	,234
Linear-by-Linear Association	3,560	1	,059
N of Valid Cases	19		

a. 22 cells (100,0%) have expected count less than 5. The minimum expected count is ,47.

Stimulus D - Phase 1 mapping reasons * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus D - Phase 1 mapping reasons	Instrument mimicking	1	7,7%	0	0,0%
	Intuition	1	7,7%	0	0,0%
	Unsure	1	7,7%	0	0,0%
	User Experience	1	7,7%	0	0,0%
	Using previous mappings	0	0,0%	1	7,1%
	Combining previous mappings	9	69,2%	13	92,9%
Total		13	100,0%	14	100,0%

Crosstab

		Total	
		N	%
Stimulus D - Phase 1 mapping reasons	Instrument mimicking	1	3,7%
	Intuition	1	3,7%
	Unsure	1	3,7%
	User Experience	1	3,7%
	Using previous mappings	1	3,7%
	Combining previous mappings	22	81,5%
Total		27	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	5,698[a]	5	,337
Likelihood Ratio	7,626	5	,178
Linear-by-Linear Association	3,643	1	,056
N of Valid Cases	27		

a. 10 cells (83,3%) have expected count less than 5. The minimum expected count is ,48.

Crosstabs

Stimulus E - Phase 1 polyphony perception * Profile

Crosstab

		Profile				Total
		Non-musician		Musician		
		N	%	N	%	N
Stimulus E - Phase 1 polyphony perception	Yes	12	92,3%	14	100,0%	26
	No	1	7,7%	0	0,0%	1
Total		13	100,0%	14	100,0%	27

Crosstab

		Total
		%
Stimulus E - Phase 1 polyphony perception	Yes	96,3%
	No	3,7%
Total		100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	1,118[a]	1	,290		
Continuity Correction[b]	,001	1	,970		
Likelihood Ratio	1,503	1	,220		
Fisher's Exact Test				,481	,481
Linear-by-Linear Association	1,077	1	,299		
N of Valid Cases	27				

a. 2 cells (50,0%) have expected count less than 5. The minimum expected count is ,48.

b. Computed only for a 2x2 table

Stimulus E - Phase 1 uncategorized polyphony mappings * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus E - Phase 1 uncategorized polyphony mappings	Device position (vertical)	1	8,3%	0	0,0%
	Device angle (roll)	1	8,3%	0	0,0%
	Multitouch	1	8,3%	0	0,0%
	Multitouch and screen axis (vertical)	7	58,3%	6	46,2%
	Multitouch and screen axis (horizontal)	2	16,7%	4	30,8%
	Multitouch and device position (vertical)	0	0,0%	1	7,7%
	Multitouch and device angle (roll)	0	0,0%	1	7,7%
	Multitouch and touch pressure	0	0,0%	1	7,7%
Total		12	100,0%	13	100,0%

Crosstab

		Total	
		N	%
Stimulus E - Phase 1 uncategorized polyphony mappings	Device position (vertical)	1	4,0%
	Device angle (roll)	1	4,0%
	Multitouch	1	4,0%
	Multitouch and screen axis (vertical)	13	52,0%
	Multitouch and screen axis (horizontal)	6	24,0%
	Multitouch and device position (vertical)	1	4,0%
	Multitouch and device angle (roll)	1	4,0%
	Multitouch and touch pressure	1	4,0%
Total		25	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	6,714[a]	7	,459
Likelihood Ratio	9,034	7	,250
Linear-by-Linear Association	5,112	1	,024
N of Valid Cases	25		

a. 14 cells (87,5%) have expected count less than 5. The minimum expected count is ,48.

Stimulus E - Phase 1 polyphony mapping reasons * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus E - Phase 1 polyphony mapping reasons	Instrument mimicking	2	16,7%	1	7,1%
	Intuition	3	25,0%	0	0,0%
	Exploration	0	0,0%	1	7,1%
	Unsure	1	8,3%	1	7,1%
	Using previous mappings	6	50,0%	11	78,6%
Total		12	100,0%	14	100,0%

Crosstab

		Total	
		N	%
Stimulus E - Phase 1 polyphony mapping reasons	Instrument mimicking	3	11,5%
	Intuition	3	11,5%
	Exploration	1	3,8%
	Unsure	2	7,7%
	Using previous mappings	17	65,4%
Total		26	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	5,684[a]	4	,224
Likelihood Ratio	7,224	4	,125
Linear-by-Linear Association	3,046	1	,081
N of Valid Cases	26		

a. 8 cells (80,0%) have expected count less than 5. The minimum expected count is ,46.

Compare gesture choice variation within phase 1

Compare gesture choice variation within phase 1
Stimulus A-D: Pitch

Crosstabs

ChangedPitch * Profile Crosstabulation

		Profile				Total	
		Non-musician		Musician			
		N	%	N	%	N	
ChangedPitch	Changed mapping	1	7,7%	0	0,0%	1	
	Unchanged mapping	12	92,3%	14	100,0%	26	
Total		13	100,0%	14	100,0%	27	

ChangedPitch * Profile Crosstabulation

		Total
		%
ChangedPitch	Changed mapping	3,7%
	Unchanged mapping	96,3%
Total		100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	1,118[a]	1	,290		
Continuity Correction[b]	,001	1	,970		
Likelihood Ratio	1,503	1	,220		
Fisher's Exact Test				,481	,481
Linear-by-Linear Association	1,077	1	,299		
N of Valid Cases	27				

a. 2 cells (50,0%) have expected count less than 5. The minimum expected count is ,48.

b. Computed only for a 2x2 table

Compare gesture choice variation within phase 1
Stimulus B-D: Duration

Crosstabs

ChangedDuration * Profile Crosstabulation

		Profile				
		Non-musician		Musician		Total
		N	%	N	%	N
ChangedDuration	Changed mapping	3	23,1%	1	7,1%	4
	Unchanged mapping	10	76,9%	13	92,9%	23
Total		13	100,0%	14	100,0%	27

ChangedDuration * Profile Crosstabulation

		Total
		%
ChangedDuration	Changed mapping	14,8%
	Unchanged mapping	85,2%
Total		100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	1,356[a]	1	,244		
Continuity Correction[b]	,387	1	,534		
Likelihood Ratio	1,402	1	,236		
Fisher's Exact Test				,326	,269
Linear-by-Linear Association	1,306	1	,253		
N of Valid Cases	27				

a. 2 cells (50,0%) have expected count less than 5. The minimum expected count is 1,93.

b. Computed only for a 2x2 table

Compare gesture choice variation within phase 1
Stimulus C-D: Amplitude

Crosstabs

ChangedAmplitude * Profile Crosstabulation

		Profile				
		Non-musician		Musician		Total
		N	%	N	%	N
ChangedAmplitude	Changed mapping	4	30,8%	3	21,4%	7
	Unchanged mapping	9	69,2%	11	78,6%	20
Total		13	100,0%	14	100,0%	27

ChangedAmplitude * Profile Crosstabulation

		Total
		%
ChangedAmplitude	Changed mapping	25,9%
	Unchanged mapping	74,1%
Total		100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	,306[a]	1	,580		
Continuity Correction[b]	,013	1	,909		
Likelihood Ratio	,307	1	,580		
Fisher's Exact Test				,678	,454
Linear-by-Linear Association	,295	1	,587		
N of Valid Cases	27				

a. 2 cells (50,0%) have expected count less than 5. The minimum expected count is 3,37.

b. Computed only for a 2x2 table

Crosstabs

Warnings

No measures of association are computed for the crosstabulation of Stimulus A - Phase 2 pitch variation perception * Profile. At least one variable in each 2-way table upon which measures of association are computed is a constant.

Stimulus A - Phase 2 pitch variation perception * Profile

Crosstab

		Profile				
		Non-musician		Musician		Total
		N	%	N	%	N
Stimulus A - Phase 2 pitch variation perception	Yes	13	100,0%	14	100,0%	27
Total		13	100,0%	14	100,0%	27

Crosstab

		Total
		%
Stimulus A - Phase 2 pitch variation perception	Yes	100,0%
Total		100,0%

Chi-Square Tests

	Value
Pearson Chi-Square	.[a]
N of Valid Cases	27

a. No statistics are computed because Stimulus A - Phase 2 pitch variation perception is a constant.

Stimulus A - Phase 2 pitch uncategorized mappings * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus A - Phase 2 pitch uncategorized mappings	Screen axis (vertical)	7	53,8%	7	50,0%
	Screen axis (horizontal)	2	15,4%	3	21,4%
	Screen axis (diagonal)	1	7,7%	0	0,0%
	Touch pressure	0	0,0%	1	7,1%
	Device position (vertical)	2	15,4%	2	14,3%
	Device position (vertical) and touch area	1	7,7%	0	0,0%
	Screen axis (horizontal) and device angle (pitch)	0	0,0%	1	7,1%
Total		13	100,0%	14	100,0%

Crosstab

		Total	
		N	%
Stimulus A - Phase 2 pitch uncategorized mappings	Screen axis (vertical)	14	51,9%
	Screen axis (horizontal)	5	18,5%
	Screen axis (diagonal)	1	3,7%
	Touch pressure	1	3,7%
	Device position (vertical)	4	14,8%
	Device position (vertical) and touch area	1	3,7%
	Screen axis (horizontal) and device angle (pitch)	1	3,7%
Total		27	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	4,169[a]	6	,654
Likelihood Ratio	5,709	6	,457
Linear-by-Linear Association	,070	1	,792
N of Valid Cases	27		

a. 12 cells (85,7%) have expected count less than 5. The minimum expected count is ,48.

Stimulus A - Phase 2 pitch mapping reasons * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus A - Phase 2 pitch mapping reasons	Instrument mimicking	4	30,8%	8	57,1%
	Graphical representation	2	15,4%	1	7,1%
	Intuition	3	23,1%	1	7,1%
	Physical mapping	1	7,7%	0	0,0%
	Musical bias	2	15,4%	3	21,4%
	Complementing other mappings	1	7,7%	0	0,0%
	Instrument mimicking and physical mapping	0	0,0%	1	7,1%
Total		13	100,0%	14	100,0%

Crosstab

		Total	
		N	%
Stimulus A - Phase 2 pitch mapping reasons	Instrument mimicking	12	44,4%
	Graphical representation	3	11,1%
	Intuition	4	14,8%
	Physical mapping	1	3,7%
	Musical bias	5	18,5%
	Complementing other mappings	1	3,7%
	Instrument mimicking and physical mapping	1	3,7%
Total		27	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	5,838[a]	6	,442
Likelihood Ratio	7,069	6	,315
Linear-by-Linear Association	,045	1	,832
N of Valid Cases	27		

a. 12 cells (85,7%) have expected count less than 5. The minimum expected count is ,48.

Crosstabs

Stimulus B - Phase 2 duration variation perception * Profile

Crosstab

		Profile				Total
		Non-musician		Musician		
		N	%	N	%	N
Stimulus B - Phase 2 duration variation perception	Yes	10	76,9%	14	100,0%	24
	No	3	23,1%	0	0,0%	3
Total		13	100,0%	14	100,0%	27

Crosstab

		Total
		%
Stimulus B - Phase 2 duration variation perception	Yes	88,9%
	No	11,1%
Total		100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	3,635[a]	1	,057		
Continuity Correction[b]	1,674	1	,196		
Likelihood Ratio	4,792	1	,029		
Fisher's Exact Test				,098	,098
Linear-by-Linear Association	3,500	1	,061		
N of Valid Cases	27				

a. 2 cells (50,0%) have expected count less than 5. The minimum expected count is 1,44.

b. Computed only for a 2x2 table

Stimulus B - Phase 2 uncategorized duration mappings * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus B - Phase 2 uncategorized duration mappings	Touch time	6	60,0%	13	92,9%
	Touch drag	1	10,0%	1	7,1%
	Device position (horizontal)	1	10,0%	0	0,0%
	Device movement time (unconstrained)	1	10,0%	0	0,0%
	Device movement time (horizontal)	1	10,0%	0	0,0%
Total		10	100,0%	14	100,0%

Crosstab

		Total	
		N	%
Stimulus B - Phase 2 uncategorized duration mappings	Touch time	19	79,2%
	Touch drag	2	8,3%
	Device position (horizontal)	1	4,2%
	Device movement time (unconstrained)	1	4,2%
	Device movement time (horizontal)	1	4,2%
Total		24	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	5,053[a]	4	,282
Likelihood Ratio	6,130	4	,190
Linear-by-Linear Association	4,502	1	,034
N of Valid Cases	24		

a. 8 cells (80,0%) have expected count less than 5. The minimum expected count is ,42.

Stimulus B - Phase 2 duration mapping reasons * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus B - Phase 2 duration mapping reasons	Instrument mimicking	6	60,0%	12	85,7%
	Graphical representation	2	20,0%	0	0,0%
	Intuition	2	20,0%	1	7,1%
	User Experience	0	0,0%	1	7,1%
Total		10	100,0%	14	100,0%

Crosstab

		Total	
		N	%
Stimulus B - Phase 2 duration mapping reasons	Instrument mimicking	18	75,0%
	Graphical representation	2	8,3%
	Intuition	3	12,5%
	User Experience	1	4,2%
Total		24	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	4,800[a]	3	,187
Likelihood Ratio	5,868	3	,118
Linear-by-Linear Association	,005	1	,946
N of Valid Cases	24		

a. 6 cells (75,0%) have expected count less than 5. The minimum expected count is ,42.

Crosstabs

Stimulus C - Phase 2 amplitude variation perception * Profile

Crosstab

		Profile				
		Non-musician		Musician		Total
		N	%	N	%	N
Stimulus C - Phase 2 amplitude variation perception	Yes	10	76,9%	12	85,7%	22
	No	3	23,1%	2	14,3%	5
Total		13	100,0%	14	100,0%	27

Crosstab

		Total
		%
Stimulus C - Phase 2 amplitude variation perception	Yes	81,5%
	No	18,5%
Total		100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	,345[a]	1	,557		
Continuity Correction[b]	,008	1	,927		
Likelihood Ratio	,346	1	,556		
Fisher's Exact Test				,648	,462
Linear-by-Linear Association	,332	1	,564		
N of Valid Cases	27				

a. 2 cells (50,0%) have expected count less than 5. The minimum expected count is 2,41.

b. Computed only for a 2x2 table

Stimulus C - Phase 2 uncategorized amplitude mappings * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus C - Phase 2 uncategorized amplitude mappings	Screen axis (vertical)	3	30,0%	3	25,0%
	Screen axis (horizontal)	1	10,0%	0	0,0%
	Screen axis (vertical) - auxiliary touch	1	10,0%	0	0,0%
	Touch pressure	1	10,0%	3	25,0%
	Device position (vertical)	4	40,0%	1	8,3%
	Device angle (roll)	0	0,0%	1	8,3%
	Device shake intensity	0	0,0%	1	8,3%
	Touch pressure and device shake intensity	0	0,0%	1	8,3%
	Touch pressure and screen axis (horizontal)	0	0,0%	1	8,3%
	Touch pressure and screen axis (vertical)	0	0,0%	1	8,3%
Total		10	100,0%	12	100,0%

Crosstab

		Total	
		N	%
Stimulus C - Phase 2 uncategorized amplitude mappings	Screen axis (vertical)	6	27,3%
	Screen axis (horizontal)	1	4,5%
	Screen axis (vertical) - auxiliary touch	1	4,5%
	Touch pressure	4	18,2%
	Device position (vertical)	5	22,7%
	Device angle (roll)	1	4,5%
	Device shake intensity	1	4,5%
	Touch pressure and device shake intensity	1	4,5%
	Touch pressure and screen axis (horizontal)	1	4,5%
	Touch pressure and screen axis (vertical)	1	4,5%
Total		22	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	9,698[a]	9	,375
Likelihood Ratio	12,496	9	,187
Linear-by-Linear Association	3,245	1	,072
N of Valid Cases	22		

a. 20 cells (100,0%) have expected count less than 5. The minimum expected count is ,45.

Stimulus C - Phase 2 amplitude mapping reasons * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus C - Phase 2 amplitude mapping reasons	Instrument mimicking	3	30,0%	6	50,0%
	Graphical representation	2	20,0%	3	25,0%
	Intuition	3	30,0%	1	8,3%
	Physical mapping	1	10,0%	1	8,3%
	Exploration	0	0,0%	1	8,3%
	Combining previous mappings	1	10,0%	0	0,0%
Total		10	100,0%	12	100,0%

Crosstab

		Total	
		N	%
Stimulus C - Phase 2 amplitude mapping reasons	Instrument mimicking	9	40,9%
	Graphical representation	5	22,7%
	Intuition	4	18,2%
	Physical mapping	2	9,1%
	Exploration	1	4,5%
	Combining previous mappings	1	4,5%
Total		22	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	4,052[a]	5	,542
Likelihood Ratio	4,858	5	,433
Linear-by-Linear Association	1,062	1	,303
N of Valid Cases	22		

a. 12 cells (100,0%) have expected count less than 5. The minimum expected count is ,45.

Crosstabs

Warnings

No measures of association are computed for the crosstabulation of Stimulus D - Phase 2 pitch variation perception * Profile. At least one variable in each 2-way table upon which measures of association are computed is a constant.

Stimulus D - Phase 2 pitch variation perception * Profile

Crosstab

		Profile				
		Non-musician		Musician		Total
		N	%	N	%	N
Stimulus D - Phase 2 pitch variation perception	Yes	13	100,0%	14	100,0%	27
Total		13	100,0%	14	100,0%	27

Crosstab

		Total
		%
Stimulus D - Phase 2 pitch variation perception	Yes	100,0%
Total		100,0%

Chi-Square Tests

	Value
Pearson Chi-Square	.[a]
N of Valid Cases	27

a. No statistics are computed because Stimulus D - Phase 2 pitch variation perception is a constant.

Stimulus D - Phase 2 duration variation perception * Profile

Crosstab

		Profile				
		Non-musician		Musician		Total
		N	%	N	%	N
Stimulus D - Phase 2 duration variation perception	Yes	9	69,2%	13	92,9%	22
	No	4	30,8%	1	7,1%	5
Total		13	100,0%	14	100,0%	27

Crosstab

		Total
		%
Stimulus D - Phase 2 duration variation perception	Yes	81,5%
	No	18,5%
Total		100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	2,494[a]	1	,114		
Continuity Correction[b]	1,174	1	,279		
Likelihood Ratio	2,622	1	,105		
Fisher's Exact Test				,165	,140
Linear-by-Linear Association	2,401	1	,121		
N of Valid Cases	27				

a. 2 cells (50,0%) have expected count less than 5. The minimum expected count is 2,41.

b. Computed only for a 2x2 table

Stimulus D - Phase 2 amplitude variation perception * Profile

Crosstab

		Profile				
		Non-musician		Musician		Total
		N	%	N	%	N
Stimulus D - Phase 2 amplitude variation perception	Yes	9	69,2%	10	71,4%	19
	No	4	30,8%	4	28,6%	8
Total		13	100,0%	14	100,0%	27

Crosstab

		Total
		%
Stimulus D - Phase 2 amplitude variation perception	Yes	70,4%
	No	29,6%
Total		100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	,016[a]	1	,901		
Continuity Correction[b]	,000	1	1,000		
Likelihood Ratio	,016	1	,901		
Fisher's Exact Test				1,000	,615
Linear-by-Linear Association	,015	1	,902		
N of Valid Cases	27				

a. 2 cells (50,0%) have expected count less than 5. The minimum expected count is 3,85.

b. Computed only for a 2x2 table

Crosstabs

Stimulus D - Phase 2 uncategorized pitch mappings * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus D - Phase 2 uncategorized pitch mappings	Screen axis (vertical)	8	61,5%	7	50,0%
	Screen axis (horizontal)	2	15,4%	3	21,4%
	Touch pressure	0	0,0%	1	7,1%
	Touch area	1	7,7%	0	0,0%
	Device position (vertical)	2	15,4%	2	14,3%
	Screen axis (horizontal) and device angle (pitch)	0	0,0%	1	7,1%
Total		13	100,0%	14	100,0%

Crosstab

		Total	
		N	%
Stimulus D - Phase 2 uncategorized pitch mappings	Screen axis (vertical)	15	55,6%
	Screen axis (horizontal)	5	18,5%
	Touch pressure	1	3,7%
	Touch area	1	3,7%
	Device position (vertical)	4	14,8%
	Screen axis (horizontal) and device angle (pitch)	1	3,7%
Total		27	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	3,234[a]	5	,664
Likelihood Ratio	4,390	5	,495
Linear-by-Linear Association	,641	1	,423
N of Valid Cases	27		

a. 10 cells (83,3%) have expected count less than 5. The minimum expected count is ,48.

Stimulus D - Phase 2 uncategorized duration mappings * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus D - Phase 2 uncategorized duration mappings	Touch time	6	66,7%	12	92,3%
	Touch drag	0	0,0%	1	7,7%
	Device movement time (unconstrained)	2	22,2%	0	0,0%
	Touch time and touch drag	1	11,1%	0	0,0%
Total		9	100,0%	13	100,0%

Crosstab

		Total	
		N	%
Stimulus D - Phase 2 uncategorized duration mappings	Touch time	18	81,8%
	Touch drag	1	4,5%
	Device movement time (unconstrained)	2	9,1%
	Touch time and touch drag	1	4,5%
Total		22	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	5,453[a]	3	,141
Likelihood Ratio	6,853	3	,077
Linear-by-Linear Association	4,298	1	,038
N of Valid Cases	22		

a. 6 cells (75,0%) have expected count less than 5. The minimum expected count is ,41.

Stimulus D - Phase 2 uncategorized amplitude mappings * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus D - Phase 2 uncategorized amplitude mappings	Screen axis (vertical)	2	22,2%	2	20,0%
	Screen axis (horizontal)	2	22,2%	0	0,0%
	Screen axis (vertical) - auxiliary touch	1	11,1%	0	0,0%
	Touch pressure	2	22,2%	2	20,0%
	Device position (vertical)	1	11,1%	0	0,0%
	Device position (horizontal)	1	11,1%	0	0,0%
	Device angle (roll)	0	0,0%	1	10,0%
	Device shake intensity	0	0,0%	1	10,0%
	Touch pressure and device position (vertical)	0	0,0%	1	10,0%
	Touch pressure and device shake intensity	0	0,0%	1	10,0%
	Touch pressure and screen axis (horizontal)	0	0,0%	1	10,0%
	Touch pressure and screen axis (vertical)	0	0,0%	1	10,0%
Total		9	100,0%	10	100,0%

Crosstab

		Total	
		N	%
Stimulus D - Phase 2 uncategorized amplitude mappings	Screen axis (vertical)	4	21,1%
	Screen axis (horizontal)	2	10,5%
	Screen axis (vertical) - auxiliary touch	1	5,3%
	Touch pressure	4	21,1%
	Device position (vertical)	1	5,3%
	Device position (horizontal)	1	5,3%
	Device angle (roll)	1	5,3%
	Device shake intensity	1	5,3%
	Touch pressure and device position (vertical)	1	5,3%
	Touch pressure and device shake intensity	1	5,3%
	Touch pressure and screen axis (horizontal)	1	5,3%
	Touch pressure and screen axis (vertical)	1	5,3%
Total		19	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	10,978[a]	11	,445
Likelihood Ratio	15,197	11	,174
Linear-by-Linear Association	5,192	1	,023
N of Valid Cases	19		

a. 24 cells (100,0%) have expected count less than 5. The minimum expected count is ,47.

Stimulus D - Phase 2 mapping reasons * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus D - Phase 2 mapping reasons	Instrument mimicking	1	7,7%	0	0,0%
	Intuition	1	7,7%	0	0,0%
	Unsure	1	7,7%	0	0,0%
	User Experience	1	7,7%	0	0,0%
	Using previous mappings	0	0,0%	1	7,1%
	Combining previous mappings	9	69,2%	13	92,9%
Total		13	100,0%	14	100,0%

Crosstab

		Total	
		N	%
Stimulus D - Phase 2 mapping reasons	Instrument mimicking	1	3,7%
	Intuition	1	3,7%
	Unsure	1	3,7%
	User Experience	1	3,7%
	Using previous mappings	1	3,7%
	Combining previous mappings	22	81,5%
Total		27	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	5,698[a]	5	,337
Likelihood Ratio	7,626	5	,178
Linear-by-Linear Association	3,643	1	,056
N of Valid Cases	27		

a. 10 cells (83,3%) have expected count less than 5. The minimum expected count is ,48.

Crosstabs

Stimulus E - Phase 2 polyphony perception * Profile

Crosstab

		Profile				
		Non-musician		Musician		Total
		N	%	N	%	N
Stimulus E - Phase 2 polyphony perception	Yes	12	92,3%	14	100,0%	26
	No	1	7,7%	0	0,0%	1
Total		13	100,0%	14	100,0%	27

Crosstab

		Total
		%
Stimulus E - Phase 2 polyphony perception	Yes	96,3%
	No	3,7%
Total		100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	1,118[a]	1	,290		
Continuity Correction[b]	,001	1	,970		
Likelihood Ratio	1,503	1	,220		
Fisher's Exact Test				,481	,481
Linear-by-Linear Association	1,077	1	,299		
N of Valid Cases	27				

a. 2 cells (50,0%) have expected count less than 5. The minimum expected count is ,48.

b. Computed only for a 2x2 table

Stimulus E - Phase 2 uncategorized polyphony mappings * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus E - Phase 2 uncategorized polyphony mappings	Device position (vertical)	2	16,7%	0	0,0%
	Sequential touches	0	0,0%	1	7,1%
	Multitouch and screen axis (vertical)	7	58,3%	6	42,9%
	Multitouch and screen axis (horizontal)	2	16,7%	3	21,4%
	Multitouch and touch area	1	8,3%	0	0,0%
	Multitouch and device position (vertical)	0	0,0%	2	14,3%
	Multitouch and device angle (roll)	0	0,0%	1	7,1%
	Multitouch and touch pressure	0	0,0%	1	7,1%
Total		12	100,0%	14	100,0%

Crosstab

		Total	
		N	%
Stimulus E - Phase 2 uncategorized polyphony mappings	Device position (vertical)	2	7,7%
	Sequential touches	1	3,8%
	Multitouch and screen axis (vertical)	13	50,0%
	Multitouch and screen axis (horizontal)	5	19,2%
	Multitouch and touch area	1	3,8%
	Multitouch and device position (vertical)	2	7,7%
	Multitouch and device angle (roll)	1	3,8%
	Multitouch and touch pressure	1	3,8%
Total		26	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	8,171[a]	7	,318
Likelihood Ratio	11,215	7	,130
Linear-by-Linear Association	3,099	1	,078
N of Valid Cases	26		

a. 14 cells (87,5%) have expected count less than 5. The minimum expected count is ,46.

Stimulus E - Phase 2 polyphony mapping reasons * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus E - Phase 2 polyphony mapping reasons	Instrument mimicking	2	16,7%	1	7,1%
	Intuition	2	16,7%	0	0,0%
	Exploration	0	0,0%	1	7,1%
	Unsure	1	8,3%	0	0,0%
	Using previous mappings	7	58,3%	11	78,6%
	Combining previous mappings	0	0,0%	1	7,1%
Total		12	100,0%	14	100,0%

Crosstab

		Total	
		N	%
Stimulus E - Phase 2 polyphony mapping reasons	Instrument mimicking	3	11,5%
	Intuition	2	7,7%
	Exploration	1	3,8%
	Unsure	1	3,8%
	Using previous mappings	18	69,2%
	Combining previous mappings	1	3,8%
Total		26	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	6,104[a]	5	,296
Likelihood Ratio	8,014	5	,155
Linear-by-Linear Association	2,429	1	,119
N of Valid Cases	26		

a. 10 cells (83,3%) have expected count less than 5. The minimum expected count is ,46.

Compare gesture choice variation within phase 2

Compare gesture choice variation within phase 2
Stimulus A-D: Pitch

Crosstabs

ChangedPitch * Profile Crosstabulation

		Profile				Total
		Non-musician		Musician		
		N	%	N	%	N
ChangedPitch	Changed mapping	2	15,4%	0	0,0%	2
	Unchanged mapping	11	84,6%	14	100,0%	25
Total		13	100,0%	14	100,0%	27

ChangedPitch * Profile Crosstabulation

		Total
		%
ChangedPitch	Changed mapping	7,4%
	Unchanged mapping	92,6%
Total		100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	2,326[a]	1	,127		
Continuity Correction[b]	,624	1	,430		
Likelihood Ratio	3,096	1	,078		
Fisher's Exact Test				,222	,222
Linear-by-Linear Association	2,240	1	,134		
N of Valid Cases	27				

a. 2 cells (50,0%) have expected count less than 5. The minimum expected count is ,96.

b. Computed only for a 2x2 table

Compare gesture choice variation within phase 2
Stimulus B-D: Duration

Crosstabs

ChangedDuration * Profile Crosstabulation

		Profile				
		Non-musician		Musician		Total
		N	%	N	%	N
ChangedDuration	Changed mapping	4	30,8%	1	7,1%	5
	Unchanged mapping	9	69,2%	13	92,9%	22
Total		13	100,0%	14	100,0%	27

ChangedDuration * Profile Crosstabulation

		Total
		%
ChangedDuration	Changed mapping	18,5%
	Unchanged mapping	81,5%
Total		100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	2,494[a]	1	,114		
Continuity Correction[b]	1,174	1	,279		
Likelihood Ratio	2,622	1	,105		
Fisher's Exact Test				,165	,140
Linear-by-Linear Association	2,401	1	,121		
N of Valid Cases	27				

a. 2 cells (50,0%) have expected count less than 5. The minimum expected count is 2,41.

b. Computed only for a 2x2 table

Crosstabs

ChangedAmplitude * Profile Crosstabulation

		Profile				
		Non-musician		Musician		Total
		N	%	N	%	N
ChangedAmplitude	Changed mapping	4	30,8%	3	21,4%	7
	Unchanged mapping	9	69,2%	11	78,6%	20
Total		13	100,0%	14	100,0%	27

ChangedAmplitude * Profile Crosstabulation

		Total
		%
ChangedAmplitude	Changed mapping	25,9%
	Unchanged mapping	74,1%
Total		100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	,306[a]	1	,580		
Continuity Correction[b]	,013	1	,909		
Likelihood Ratio	,307	1	,580		
Fisher's Exact Test				,678	,454
Linear-by-Linear Association	,295	1	,587		
N of Valid Cases	27				

a. 2 cells (50,0%) have expected count less than 5. The minimum expected count is 3,37.

b. Computed only for a 2x2 table

Mapping inter-phase changes (Phase 1 to Phase 2)

Crosstabs

ChangedPitch * Profile Crosstabulation

		Profile				Total
		Non-musician		Musician		
		N	%	N	%	N
ChangedPitch	Changed pitch mapping	1	7,7%	2	14,3%	3
	Unchanged pitch mapping	12	92,3%	12	85,7%	24
Total		13	100,0%	14	100,0%	27

ChangedPitch * Profile Crosstabulation

		Total
		%
ChangedPitch	Changed pitch mapping	11,1%
	Unchanged pitch mapping	88,9%
Total		100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	,297[a]	1	,586		
Continuity Correction[b]	,000	1	1,000		
Likelihood Ratio	,303	1	,582		
Fisher's Exact Test				1,000	,529
Linear-by-Linear Association	,286	1	,593		
N of Valid Cases	27				

a. 2 cells (50,0%) have expected count less than 5. The minimum expected count is 1,44.

b. Computed only for a 2x2 table

Crosstabs

ChangedDuration * Profile Crosstabulation

		Profile			
		Non-musician		Musician	
		N	%	N	%
ChangedDuration	Changed duration mapping	2	15,4%	1	7,1%
	Unchanged duration mapping	11	84,6%	13	92,9%
Total		13	100,0%	14	100,0%

ChangedDuration * Profile Crosstabulation

		Total	
		N	%
ChangedDuration	Changed duration mapping	3	11,1%
	Unchanged duration mapping	24	88,9%
Total		27	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	,464[a]	1	,496		
Continuity Correction[b]	,005	1	,946		
Likelihood Ratio	,470	1	,493		
Fisher's Exact Test				,596	,471
Linear-by-Linear Association	,446	1	,504		
N of Valid Cases	27				

a. 2 cells (50,0%) have expected count less than 5. The minimum expected count is 1,44.

b. Computed only for a 2x2 table

Crosstabs

ChangedAmplitude * Profile Crosstabulation

		Profile			
		Non-musician		Musician	
		N	%	N	%
ChangedAmplitude	Changed amplitude mapping	4	30,8%	4	28,6%
	Unchanged amplitude mapping	9	69,2%	10	71,4%
Total		13	100,0%	14	100,0%

ChangedAmplitude * Profile Crosstabulation

		Total	
		N	%
ChangedAmplitude	Changed amplitude mapping	8	29,6%
	Unchanged amplitude mapping	19	70,4%
Total		27	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	,016[a]	1	,901		
Continuity Correction[b]	,000	1	1,000		
Likelihood Ratio	,016	1	,901		
Fisher's Exact Test				1,000	,615
Linear-by-Linear Association	,015	1	,902		
N of Valid Cases	27				

a. 2 cells (50,0%) have expected count less than 5. The minimum expected count is 3,85.

b. Computed only for a 2x2 table

Crosstabs

ChangedPitch * Profile Crosstabulation

		Profile				
		Non-musician		Musician		Total
		N	%	N	%	N
ChangedPitch	Changed pitch mapping	0	0,0%	2	14,3%	2
	Unchanged pitch mapping	13	100,0%	12	85,7%	25
Total		13	100,0%	14	100,0%	27

ChangedPitch * Profile Crosstabulation

		Total
		%
ChangedPitch	Changed pitch mapping	7,4%
	Unchanged pitch mapping	92,6%
Total		100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	2,006[a]	1	,157		
Continuity Correction[b]	,464	1	,496		
Likelihood Ratio	2,776	1	,096		
Fisher's Exact Test				,481	,259
Linear-by-Linear Association	1,931	1	,165		
N of Valid Cases	27				

a. 2 cells (50,0%) have expected count less than 5. The minimum expected count is ,96.

b. Computed only for a 2x2 table

Crosstabs

ChangedDuration * Profile Crosstabulation

		Profile			
		Non-musician		Musician	
		N	%	N	%
ChangedDuration	Changed pitch mapping	1	7,7%	1	7,1%
	Unchanged pitch mapping	12	92,3%	13	92,9%
Total		13	100,0%	14	100,0%

ChangedDuration * Profile Crosstabulation

		Total	
		N	%
ChangedDuration	Changed pitch mapping	2	7,4%
	Unchanged pitch mapping	25	92,6%
Total		27	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	,003[a]	1	,957		
Continuity Correction[b]	,000	1	1,000		
Likelihood Ratio	,003	1	,957		
Fisher's Exact Test				1,000	,741
Linear-by-Linear Association	,003	1	,957		
N of Valid Cases	27				

a. 2 cells (50,0%) have expected count less than 5. The minimum expected count is ,96.

b. Computed only for a 2x2 table

Crosstabs

ChangedAmplitude * Profile Crosstabulation

		Profile			
		Non-musician		Musician	
		N	%	N	%
ChangedAmplitude	Changed pitch mapping	1	7,7%	3	21,4%
	Unchanged pitch mapping	12	92,3%	11	78,6%
Total		13	100,0%	14	100,0%

ChangedAmplitude * Profile Crosstabulation

		Total	
		N	%
ChangedAmplitude	Changed pitch mapping	4	14,8%
	Unchanged pitch mapping	23	85,2%
Total		27	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	1,008[a]	1	,315		
Continuity Correction[b]	,213	1	,644		
Likelihood Ratio	1,053	1	,305		
Fisher's Exact Test				,596	,327
Linear-by-Linear Association	,970	1	,325		
N of Valid Cases	27				

a. 2 cells (50,0%) have expected count less than 5. The minimum expected count is 1,93.

b. Computed only for a 2x2 table

Crosstabs

ChangedPolyphony * Profile Crosstabulation

		Profile			
		Non-musician		Musician	
		N	%	N	%
ChangedPolyphony	Changed polyphony mapping	2	15,4%	3	21,4%
	Unchanged polyphony mapping	11	84,6%	11	78,6%
Total		13	100,0%	14	100,0%

ChangedPolyphony * Profile Crosstabulation

		Total	
		N	%
ChangedPolyphony	Changed polyphony mapping	5	18,5%
	Unchanged polyphony mapping	22	81,5%
Total		27	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	,163[a]	1	,686		
Continuity Correction[b]	,000	1	1,000		
Likelihood Ratio	,164	1	,685		
Fisher's Exact Test				1,000	,538
Linear-by-Linear Association	,157	1	,692		
N of Valid Cases	27				

a. 2 cells (50,0%) have expected count less than 5. The minimum expected count is 2,41.

b. Computed only for a 2x2 table

Crosstabs

Stimulus A - Phase 1 categorized pitch mappings * Profile Crosstabulation

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus A - Phase 1 categorized pitch mappings	2D plane manipulation	10	76,9%	9	64,3%
	Touch characteristics	0	0,0%	1	7,1%
	Device position	2	15,4%	3	21,4%
	Combination	1	7,7%	1	7,1%
Total		13	100,0%	14	100,0%

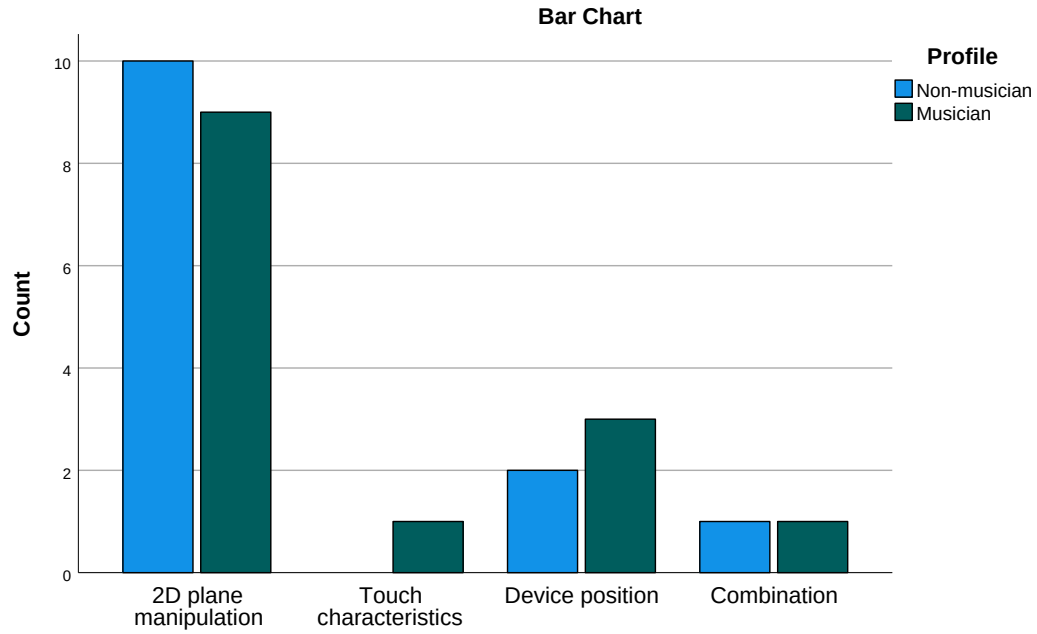
Stimulus A - Phase 1 categorized pitch mappings * Profile Crosstabulation

		Total	
		N	%
Stimulus A - Phase 1 categorized pitch mappings	2D plane manipulation	19	70,4%
	Touch characteristics	1	3,7%
	Device position	5	18,5%
	Combination	2	7,4%
Total		27	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	1,217[a]	3	,749
Likelihood Ratio	1,603	3	,659
Linear-by-Linear Association	,191	1	,662
N of Valid Cases	27		

a. 6 cells (75,0%) have expected count less than 5. The minimum expected count is ,48.



Stimulus A - Phase 1 categorized pitch mappings

Crosstabs

Stimulus B - Phase 1 categorized duration mappings * Profile Crosstabulation

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus B - Phase 1 categorized duration mappings	Touch characteristics	7	77,8%	13	92,9%
	Device position	2	22,2%	0	0,0%
	Combination	0	0,0%	1	7,1%
Total		9	100,0%	14	100,0%

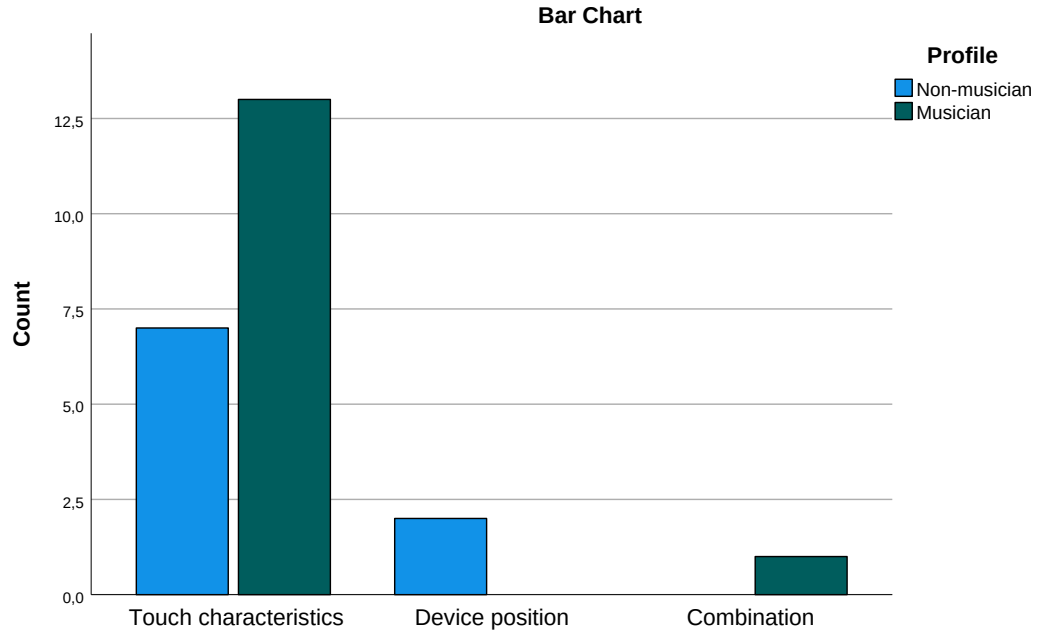
Stimulus B - Phase 1 categorized duration mappings * Profile Crosstabulation

		Total	
		N	%
Stimulus B - Phase 1 categorized duration mappings	Touch characteristics	20	87,0%
	Device position	2	8,7%
	Combination	1	4,3%
Total		23	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	3,897[a]	2	,142
Likelihood Ratio	4,891	2	,087
Linear-by-Linear Association	,143	1	,705
N of Valid Cases	23		

a. 4 cells (66,7%) have expected count less than 5. The minimum expected count is ,39.



Stimulus B - Phase 1 categorized duration mappings

Crosstabs

Stimulus C - Phase 1 categorized amplitude mappings * Profile Crosstabulation

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus C - Phase 1 categorized amplitude mappings	2D plane manipulation	4	40,0%	4	33,3%
	Touch characteristics	2	20,0%	3	25,0%
	Device position	4	40,0%	4	33,3%
	Combination	0	0,0%	1	8,3%
Total		10	100,0%	12	100,0%

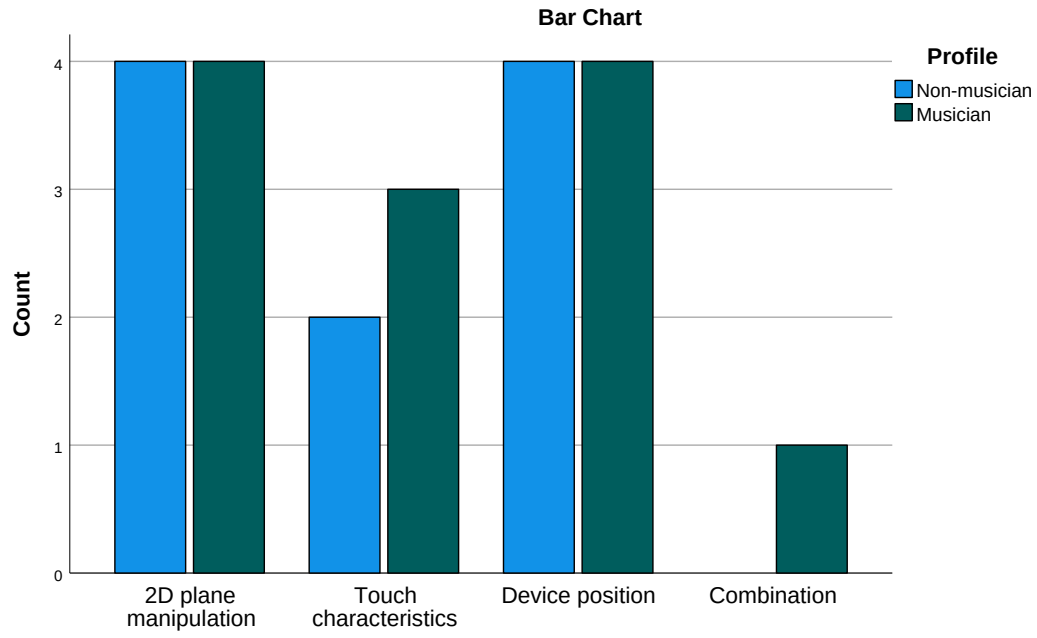
Stimulus C - Phase 1 categorized amplitude mappings * Profile Crosstabulation

		Total	
		N	%
Stimulus C - Phase 1 categorized amplitude mappings	2D plane manipulation	8	36,4%
	Touch characteristics	5	22,7%
	Device position	8	36,4%
	Combination	1	4,5%
Total		22	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	1,027[a]	3	,795
Likelihood Ratio	1,406	3	,704
Linear-by-Linear Association	,161	1	,689
N of Valid Cases	22		

a. 8 cells (100,0%) have expected count less than 5. The minimum expected count is ,45.



Stimulus C - Phase 1 categorized amplitude mappings

Crosstabs

Stimulus D - Phase 1 categorized pitch mappings * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus D - Phase 1 categorized pitch mappings	2D plane manipulation	10	76,9%	9	64,3%
	Touch characteristics	1	7,7%	1	7,1%
	Device position	2	15,4%	3	21,4%
	Combination	0	0,0%	1	7,1%
Total		13	100,0%	14	100,0%

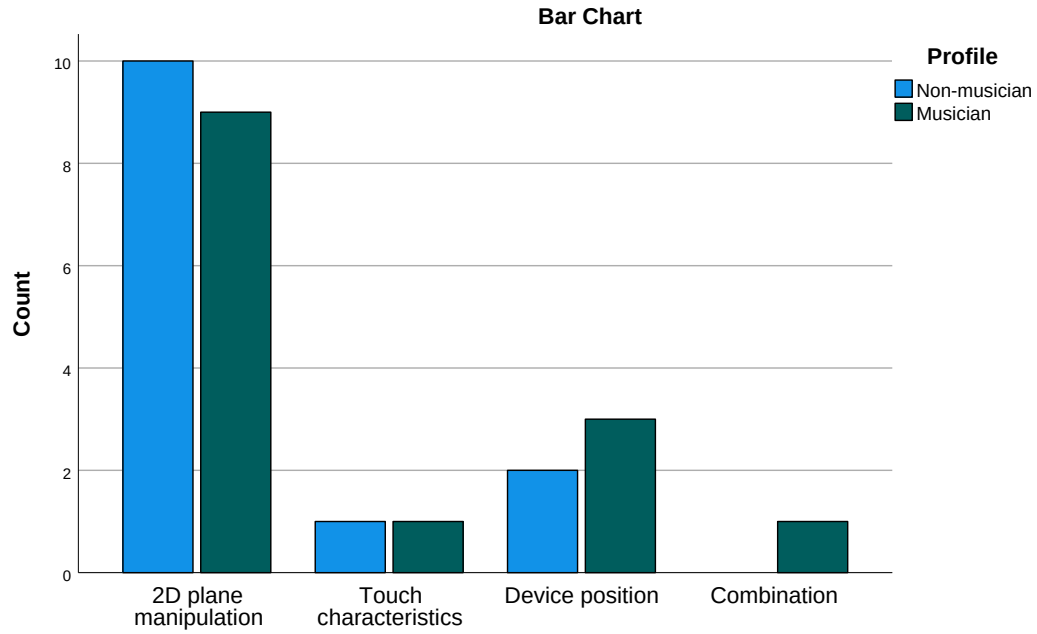
Crosstab

		Total	
		N	%
Stimulus D - Phase 1 categorized pitch mappings	2D plane manipulation	19	70,4%
	Touch characteristics	2	7,4%
	Device position	5	18,5%
	Combination	1	3,7%
Total		27	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	1,217[a]	3	,749
Likelihood Ratio	1,603	3	,659
Linear-by-Linear Association	,840	1	,359
N of Valid Cases	27		

a. 6 cells (75,0%) have expected count less than 5. The minimum expected count is ,48.



Stimulus D - Phase 1 categorized pitch mappings

Stimulus D - Phase 1 categorized duration mappings * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus D - Phase 1 categorized duration mappings	Touch characteristics	6	75,0%	12	92,3%
	Device position	2	25,0%	0	0,0%
	Combination	0	0,0%	1	7,7%
Total		8	100,0%	13	100,0%

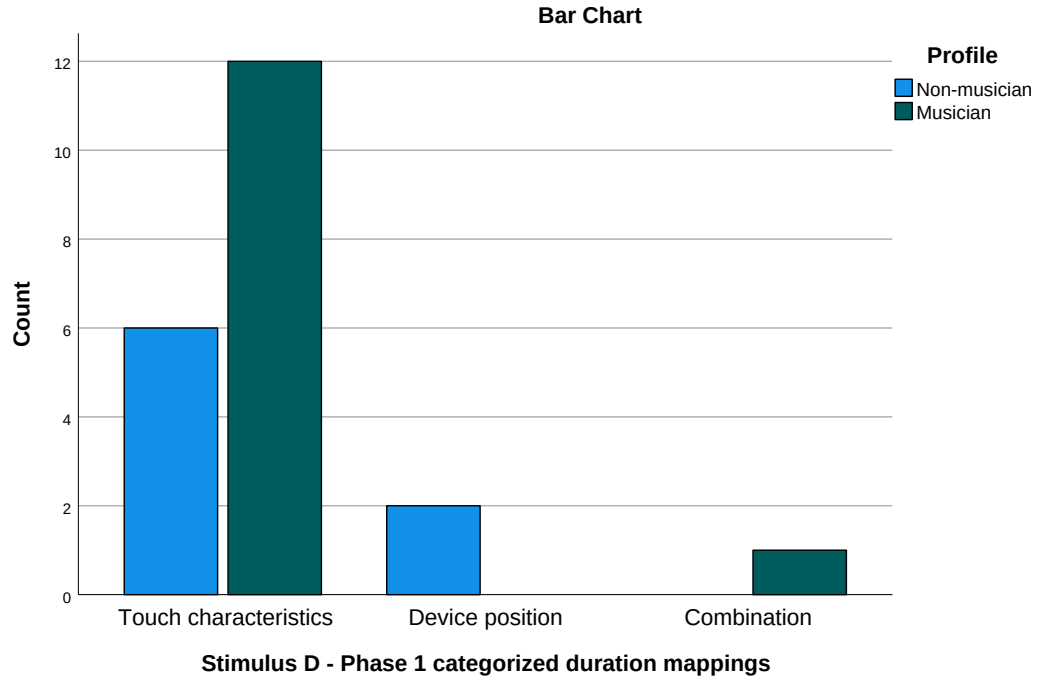
Crosstab

		Total	
		N	%
Stimulus D - Phase 1 categorized duration mappings	Touch characteristics	18	85,7%
	Device position	2	9,5%
	Combination	1	4,8%
Total		21	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	4,038[a]	2	,133
Likelihood Ratio	4,996	2	,082
Linear-by-Linear Association	,175	1	,676
N of Valid Cases	21		

a. 4 cells (66,7%) have expected count less than 5. The minimum expected count is ,38.



Stimulus D - Phase 1 categorized amplitude mappings * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus D - Phase 1 categorized amplitude mappings	2D plane manipulation	5	55,6%	2	20,0%
	Touch characteristics	2	22,2%	3	30,0%
	Device position	2	22,2%	3	30,0%
	Combination	0	0,0%	2	20,0%
Total		9	100,0%	10	100,0%

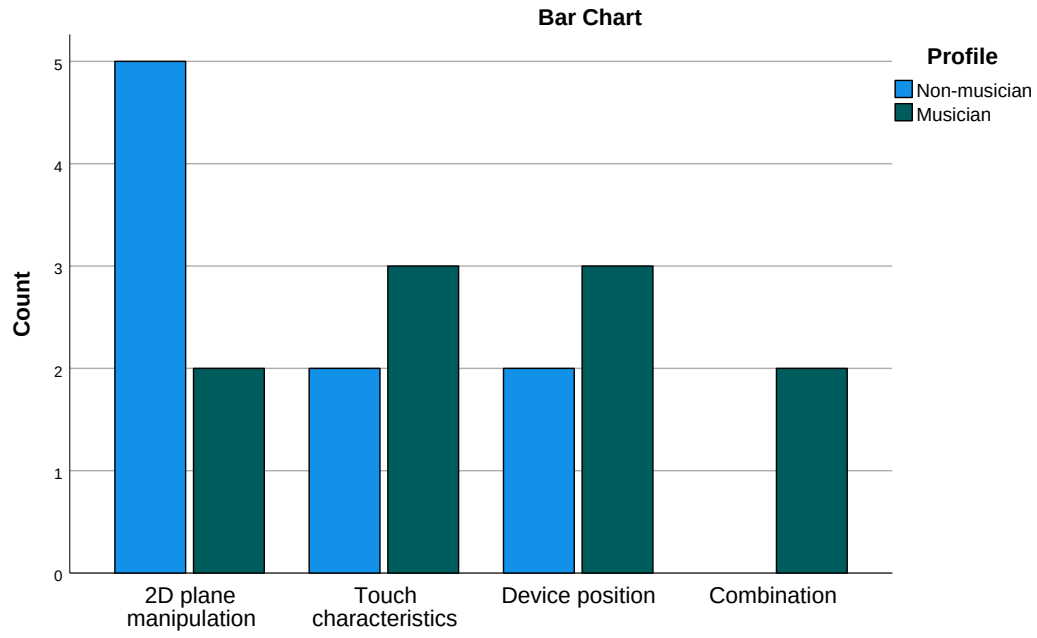
Crosstab

		Total	
		N	%
Stimulus D - Phase 1 categorized amplitude mappings	2D plane manipulation	7	36,8%
	Touch characteristics	5	26,3%
	Device position	5	26,3%
	Combination	2	10,5%
Total		19	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	3,643[a]	3	,303
Likelihood Ratio	4,451	3	,217
Linear-by-Linear Association	2,992	1	,084
N of Valid Cases	19		

a. 8 cells (100,0%) have expected count less than 5. The minimum expected count is ,95.



Stimulus D - Phase 1 categorized amplitude mappings

Crosstabs

Stimulus E - Phase 1 categorized polyphony mappings * Profile Crosstabulation

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus E - Phase 1 categorized polyphony mappings	2D plane manipulation	10	83,3%	10	76,9%
	Touch characteristics	0	0,0%	1	7,7%
	Device position	2	16,7%	0	0,0%
	Combination	0	0,0%	2	15,4%
Total		12	100,0%	13	100,0%

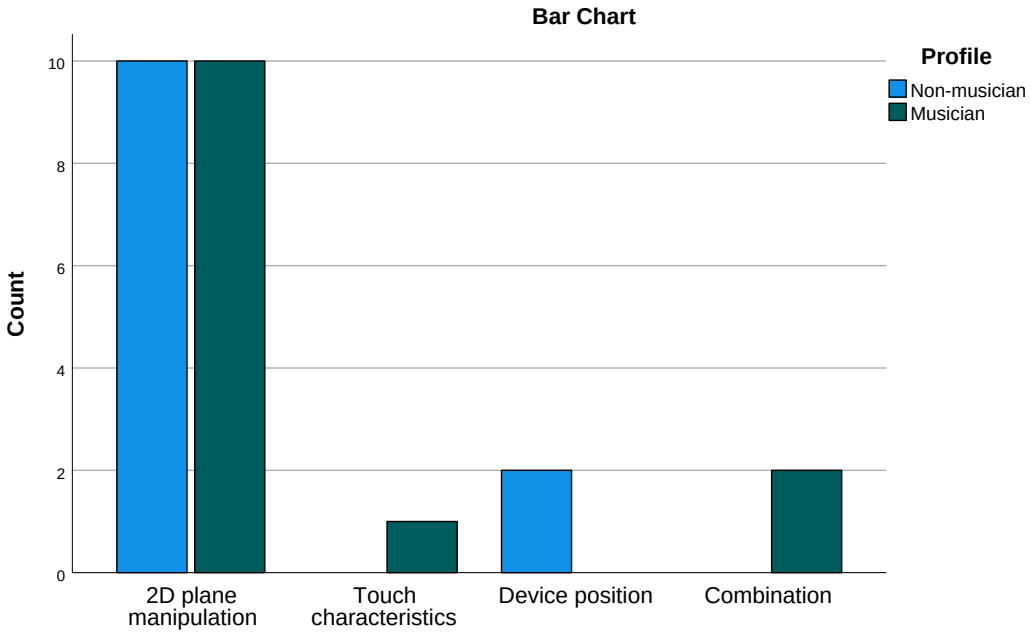
Stimulus E - Phase 1 categorized polyphony mappings * Profile Crosstabulation

		Total	
		N	%
Stimulus E - Phase 1 categorized polyphony mappings	2D plane manipulation	20	80,0%
	Touch characteristics	1	4,0%
	Device position	2	8,0%
	Combination	2	8,0%
Total		25	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	4,968[a]	3	,174
Likelihood Ratio	6,891	3	,075
Linear-by-Linear Association	,284	1	,594
N of Valid Cases	25		

a. 6 cells (75,0%) have expected count less than 5. The minimum expected count is ,48.



Stimulus E - Phase 1 categorized polyphony mappings

Crosstabs

Stimulus A - Phase 2 pitch categorized mappings * Profile Crosstabulation

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus A - Phase 2 pitch categorized mappings	2D plane manipulation	10	76,9%	10	71,4%
	Touch characteristics	0	0,0%	1	7,1%
	Device position	2	15,4%	2	14,3%
	Combination	1	7,7%	1	7,1%
Total		13	100,0%	14	100,0%

Stimulus A - Phase 2 pitch categorized mappings * Profile Crosstabulation

		Total	
		N	%
Stimulus A - Phase 2 pitch categorized mappings	2D plane manipulation	20	74,1%
	Touch characteristics	1	3,7%
	Device position	4	14,8%
	Combination	2	7,4%
Total		27	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	,964[a]	3	,810
Likelihood Ratio	1,349	3	,717
Linear-by-Linear Association	,007	1	,933
N of Valid Cases	27		

a. 6 cells (75,0%) have expected count less than 5. The minimum expected count is ,48.

Crosstabs

Stimulus B - Phase 2 categorized duration mappings * Profile Crosstabulation

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus B - Phase 2 categorized duration mappings	Touch characteristics	7	70,0%	14	100,0%
	Device position	3	30,0%	0	0,0%
Total		10	100,0%	14	100,0%

Stimulus B - Phase 2 categorized duration mappings * Profile Crosstabulation

		Total	
		N	%
Stimulus B - Phase 2 categorized duration mappings	Touch characteristics	21	87,5%
	Device position	3	12,5%
Total		24	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	4,800[a]	1	,028		
Continuity Correction[b]	2,449	1	,118		
Likelihood Ratio	5,868	1	,015		
Fisher's Exact Test				,059	,059
Linear-by-Linear Association	4,600	1	,032		
N of Valid Cases	24				

a. 2 cells (50,0%) have expected count less than 5. The minimum expected count is 1,25.

b. Computed only for a 2x2 table

Crosstabs

Stimulus C - Phase 2 categorized amplitude mappings * Profile Crosstabulation

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus C - Phase 2 categorized amplitude mappings	2D plane manipulation	5	50,0%	3	25,0%
	Touch characteristics	1	10,0%	3	25,0%
	Device position	4	40,0%	3	25,0%
	Combination	0	0,0%	3	25,0%
Total		10	100,0%	12	100,0%

Stimulus C - Phase 2 categorized amplitude mappings * Profile Crosstabulation

		Total	
		N	%
Stimulus C - Phase 2 categorized amplitude mappings	2D plane manipulation	8	36,4%
	Touch characteristics	4	18,2%
	Device position	7	31,8%
	Combination	3	13,6%
Total		22	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	4,498[a]	3	,212
Likelihood Ratio	5,672	3	,129
Linear-by-Linear Association	1,594	1	,207
N of Valid Cases	22		

a. 8 cells (100,0%) have expected count less than 5. The minimum expected count is 1,36.

Crosstabs

Stimulus D - Phase 2 categorized pitch mappings * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus D - Phase 2 categorized pitch mappings	2D plane manipulation	10	76,9%	10	71,4%
	Touch characteristics	1	7,7%	1	7,1%
	Device position	2	15,4%	2	14,3%
	Combination	0	0,0%	1	7,1%
Total		13	100,0%	14	100,0%

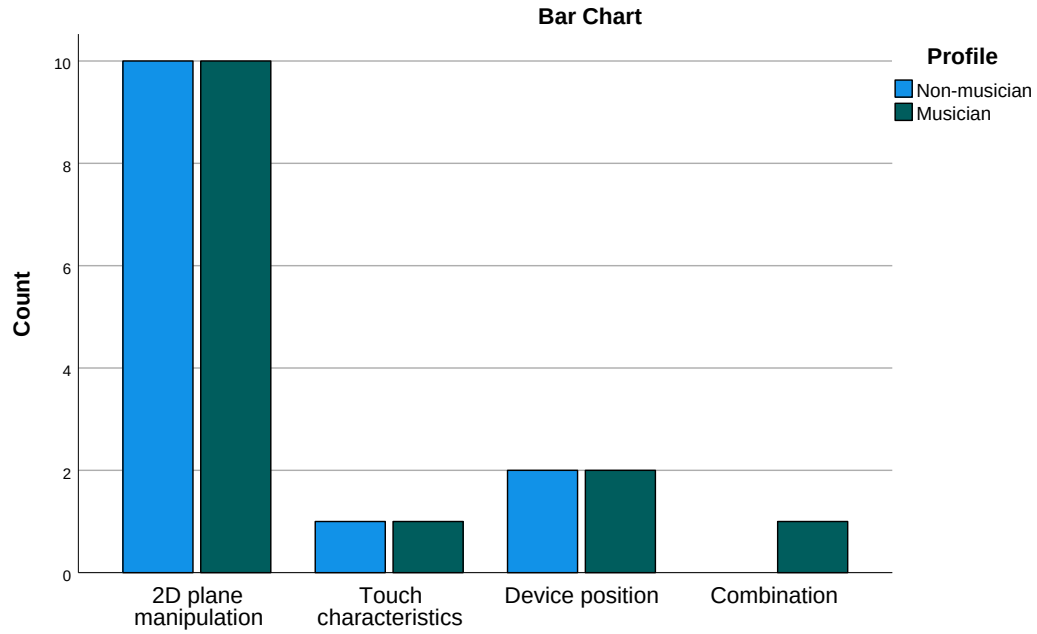
Crosstab

		Total	
		N	%
Stimulus D - Phase 2 categorized pitch mappings	2D plane manipulation	20	74,1%
	Touch characteristics	2	7,4%
	Device position	4	14,8%
	Combination	1	3,7%
Total		27	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	,964[a]	3	,810
Likelihood Ratio	1,349	3	,717
Linear-by-Linear Association	,295	1	,587
N of Valid Cases	27		

a. 6 cells (75,0%) have expected count less than 5. The minimum expected count is ,48.



Stimulus D - Phase 2 categorized pitch mappings

Stimulus D - Phase 2 categorized duration mappings * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus D - Phase 2 categorized duration mappings	Touch characteristics	7	77,8%	13	100,0%
	Device position	2	22,2%	0	0,0%
Total		9	100,0%	13	100,0%

Crosstab

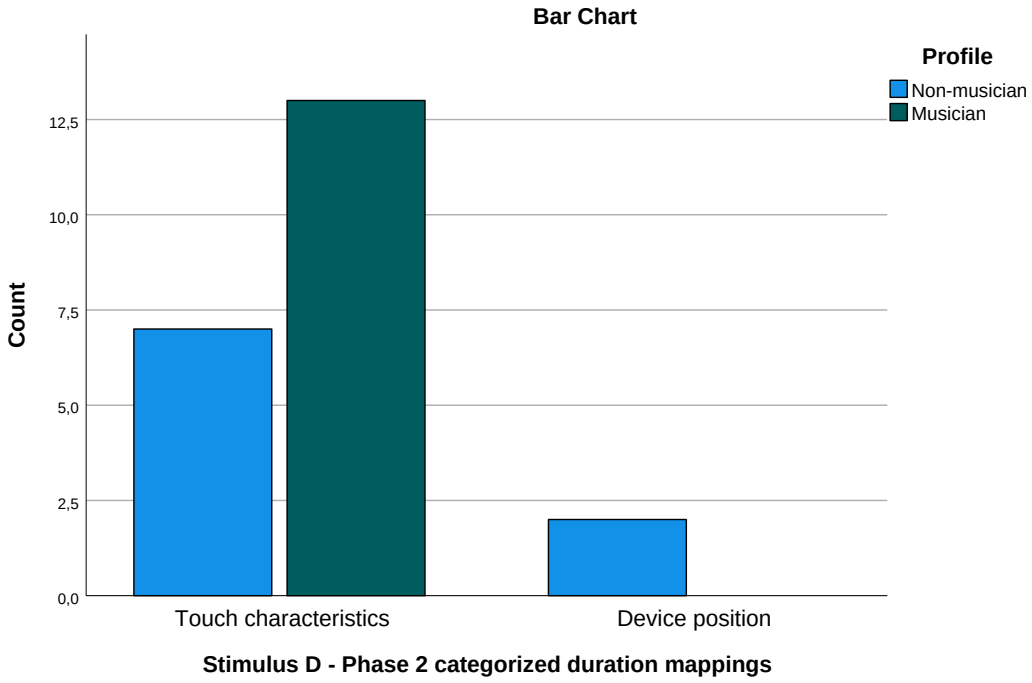
		Total	
		N	%
Stimulus D - Phase 2 categorized duration mappings	Touch characteristics	20	90,9%
	Device position	2	9,1%
Total		22	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	3,178[a]	1	,075		
Continuity Correction[b]	1,058	1	,304		
Likelihood Ratio	3,869	1	,049		
Fisher's Exact Test				,156	,156
Linear-by-Linear Association	3,033	1	,082		
N of Valid Cases	22				

a. 2 cells (50,0%) have expected count less than 5. The minimum expected count is ,82.

b. Computed only for a 2x2 table



Stimulus D - Phase 2 categorized duration mappings

Stimulus D - Phase 2 categorized amplitude mappings * Profile

Crosstab

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus D - Phase 2 categorized amplitude mappings	2D plane manipulation	5	55,6%	2	20,0%
	Touch characteristics	2	22,2%	2	20,0%
	Device position	2	22,2%	2	20,0%
	Combination	0	0,0%	4	40,0%
Total		9	100,0%	10	100,0%

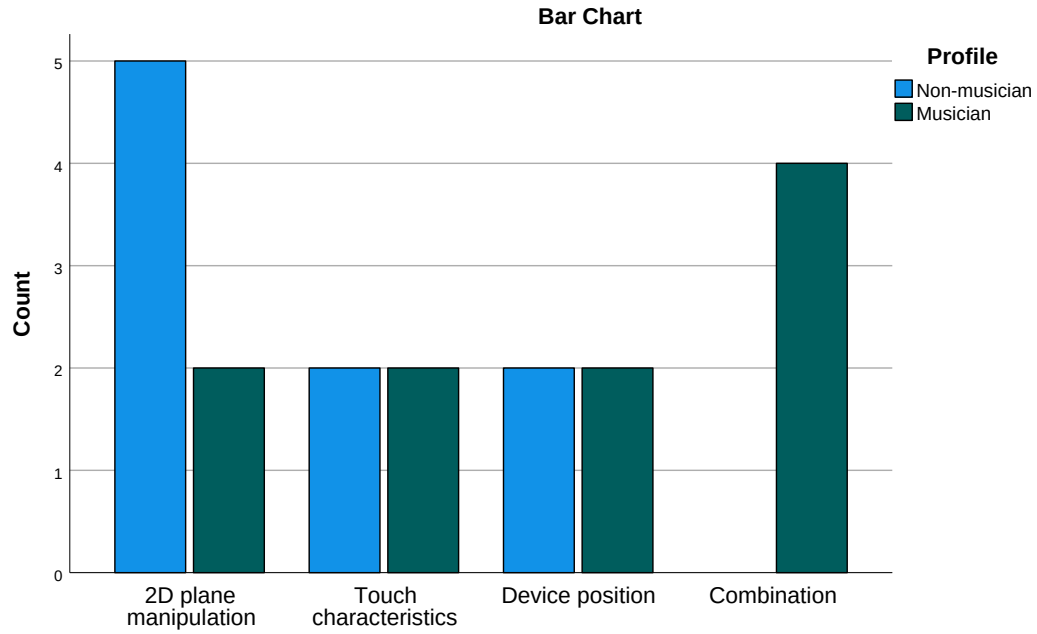
Crosstab

		Total	
		N	%
Stimulus D - Phase 2 categorized amplitude mappings	2D plane manipulation	7	36,8%
	Touch characteristics	4	21,1%
	Device position	4	21,1%
	Combination	4	21,1%
Total		19	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	5,248[a]	3	,155
Likelihood Ratio	6,821	3	,078
Linear-by-Linear Association	4,264	1	,039
N of Valid Cases	19		

a. 8 cells (100,0%) have expected count less than 5. The minimum expected count is 1,89.



Stimulus D - Phase 2 categorized amplitude mappings

Crosstabs

Stimulus E - Phase 2 categorized polyphony mappings * Profile Crosstabulation

		Profile			
		Non-musician		Musician	
		N	%	N	%
Stimulus E - Phase 2 categorized polyphony mappings	2D plane manipulation	9	75,0%	10	71,4%
	Touch characteristics	1	8,3%	1	7,1%
	Device position	2	16,7%	0	0,0%
	Combination	0	0,0%	3	21,4%
Total		12	100,0%	14	100,0%

Stimulus E - Phase 2 categorized polyphony mappings * Profile Crosstabulation

		Total	
		N	%
Stimulus E - Phase 2 categorized polyphony mappings	2D plane manipulation	19	73,1%
	Touch characteristics	2	7,7%
	Device position	2	7,7%
	Combination	3	11,5%
Total		26	100,0%

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	4,928[a]	3	,177
Likelihood Ratio	6,830	3	,078
Linear-by-Linear Association	,505	1	,477
N of Valid Cases	26		

a. 6 cells (75,0%) have expected count less than 5. The minimum expected count is ,92.

Crosstabs

Phase 1 infered Note Trigger gesture * Profile Crosstabulation

Count

		Profile		
		Non-musician	Musician	Total
Phase 1 infered Note Trigger gesture	Touch	11	14	25
	Device Movement	2	0	2
Total		13	14	27

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	2,326[a]	1	,127		
Continuity Correction[b]	,624	1	,430		
Likelihood Ratio	3,096	1	,078		
Fisher's Exact Test				,222	,222
Linear-by-Linear Association	2,240	1	,134		
N of Valid Cases	27				

a. 2 cells (50,0%) have expected count less than 5. The minimum expected count is ,96.

b. Computed only for a 2x2 table

Crosstabs

Phase 2 infered Note Trigger gesture * Profile Crosstabulation

Count

		Profile		
		Non-musician	Musician	Total
Phase 2 infered Note Trigger gesture	Touch	11	14	25
	Device Movement	2	0	2
Total		13	14	27

Chi-Square Tests

	Value	df	Asymptotic Significance (2-sided)	Exact Sig. (2-sided)	Exact Sig. (1-sided)
Pearson Chi-Square	2,326[a]	1	,127		
Continuity Correction[b]	,624	1	,430		
Likelihood Ratio	3,096	1	,078		
Fisher's Exact Test				,222	,222
Linear-by-Linear Association	2,240	1	,134		
N of Valid Cases	27				

a. 2 cells (50,0%) have expected count less than 5. The minimum expected count is ,96.

b. Computed only for a 2x2 table