

# Music of Home

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# Overview

- \* Background of Music and Emotion
- \* Current Study: Music of Home and Emotions
- \* Method
- \* Results
- \* Summary and Discussion

# Background: Music, Emotion & Culture

- \* **Music and Emotion** (Major fast vs. Minor slow)  
Beginning with Pythagoras
- \* Wide range of emotions associate with music Genres  
Zentner et al. (2008)
- \* **Music and Culture** (Experience tunes our emotions)  
Laukka, Erola, Thingujam, Yamasaki, and Beller (2013)

# Method

- \* 425 Participants gathered through word of mouth and introductory psychology classes
- \* Asked to Complete  
**Music and Cultural Identity Questionnaire**
  - \* list 5 home songs & 5 Recent songs
  - \* Rate one of each song on 30 emotion terms ratings:  
1 (Not at all) 2 ( Little) 3 (Somewhat) 4 (Lots) 5 (Completely)

# Results

- \* Participants organized into one of 6 regions:  
Can, USA & Latin America, West Europe,  
East Europe, China (Asia), India/Mid-East/Africa
- \* Ages 13 -59 (mean=20.81)
- \* Average time in Canada 16.09 years
- \* 280 Women & 136 Men; 5 not identified

# Highest and lowest emotion ratings

<b>Nostalgic</b> 4.01	<b>Happy</b> 3.78	<b>Comforted / Cozy</b> 3.75	<b>Joyful</b> 3.60	<b>Calm</b> 3.57	<b>Soothed</b> 3.57
Anxious 1.25	Agitated 1.32	Upset 1.45	Despair 1.48	Depressed 1.54	Sensual 2.08

# Home Song Emotions

## Canadian vs International

What differences do we see in emotional experience across Canadians vs individuals from other cultures?

Emotion Terms alpha / F	Nostalgic .000 / 17.50	Happy .000 / 12.94	Sensual .001 / 12.00	Touched .000 / 13.67	Agitated .000 / 31.52	Anxious .001 / 11.67	Upset .000 / 21.35	Sad .002 9.37
Cndn Mean	<b>4.17</b>	<b>3.93</b>	1.94	3.10	1.18	1.18	1.31	2.02
Intl Mean	<b>3.69</b>	<b>3.50</b>	<b>2.37</b>	<b>3.67</b>	<b>1.60</b>	<b>1.40</b>	<b>1.71</b>	<b>2.40</b>

# Home Song Emotions

## Canadian vs International

What differences do we see in emotional experience across Canadians vs individuals from other cultures?

Emotion Terms alpha / F	Meditative .041 / 4.18	Joyful .026 / 4.97	Electrified .001 / 6.99	Spiritual .000 / 4.02	Shivers / Thrilled .033 / 4.57	Depressed .042 / 4.17
Cndn Mean	2.51	<b>3.70</b>	<b>2.83</b>	2.32	<b>2.90</b>	1.48
Intl Mean	<b>2.78</b>	3.42	2.45	<b>2.60</b>	2.59	<b>1.66</b>



# Home Song Emotions

Regions compiled into 6 groups

Region	Happy	Nostalgic	Electrified	Joyful	Passionate	Shivers/ Thrilled
Canada	3.94 (284)	<b>4.18</b> (283)	2.82 (284)	3.70 (284)	3.46 (283)	2.90 (282)
West Europe	3.75 (20)	4.05 (20)	<b>3.10</b> (20)	3.80 (20)	<b>3.90</b> (20)	<b>3.50</b> (20)
East Europe	3.79 (14)	3.64 (14)	2.43 (14)	3.71 (15)	3.86 (14)	3.27 (15)
Americas	<b>4.20</b> (15)	4.13 (15)	3.00 (15)	<b>3.93</b> (15)	3.47(15)	3.20 (15)
Mid-East/India/ Africa	3.72 (18)	3.65 (17)	2.61 (18)	3.89 (18)	3.56 (18)	2.83 (18)
Asia	<b>3.16</b> (69)	<b>3.49</b> (68)	<b>2.14</b> (69)	<b>2.99</b> (70)	<b>2.89</b> (70)	<b>1.97</b> (68)
<b>Mean / F / alpha</b>	3.79 / 5.691 / .000	4.02 / 5.110 / .000	2.70 / 3.41 / .005	3.61 / 4.69 / .000	3.40/ 3.89 / .002	2.80 / 7.51 / .000

\*ALL significant emotions when examined according to Region

# Home Song Emotions

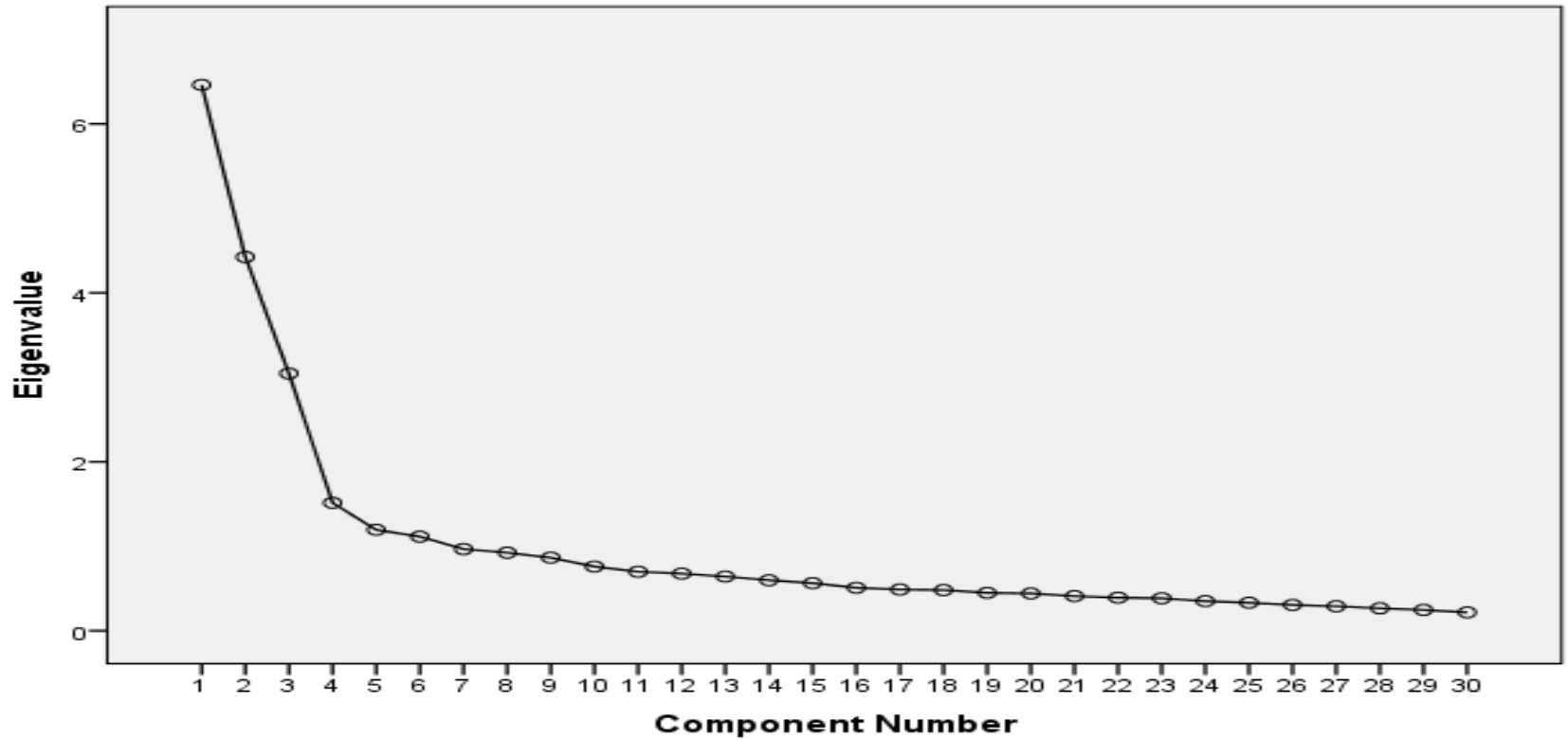
Regions compiled into 6 groups cont'd

Region	Sad	Spiritual	Sensual	Touched	Agitated	Anxious	Upset
Canada	2.02 (281)	2.31 (283)	1.93 (282)	3.10 (282)	1.18 (283)	1.18 (283)	1.32 (283)
West Europe	2.20 (20)	2.80 (20)	2.05 (20)	3.50 (20)	1.21 (20)	1.10 (20)	1.50 (20)
East Europe	2.73 (15)	2.71 (14)	2.71 (14)	4.29 (14)	2.00 (14)	1.79 (14)	1.73 (14)
Americas	2.07 (15)	2.50 (14)	2.47 (15)	2.80 (15)	1.33 (15)	1.20 (15)	1.13 (15)
Mid-East/India/Africa	2.33 (18)	1.89 (18)	2.71 (18)	3.39 (18)	1.39 (18)	1.39 (18)	1.67 (11)
Asia	2.49 (70)	2.77 (69)	2.35 (69)	3.61 (70)	1.81 (67)	1.47 (70)	1.90 (70)
Mean / F / <i>alpha</i>	2.15 / 2.55 / .027	2.41 / 2.43 / .035	2.08 / 3.37 / .005	23.26 / 3.87 / .002	1.32 / 11.77 / .000	1.25 / 4.97 / .000	1.45 / 6.56 / .000

\*ALL significant emotions when examined according to Region

# Factor Analysis

Scree Plot



# Factor Analysis

## Factor 1 – Joyous Excitement

.746 Energized  
.741 Joyful  
.734 Enthused  
.685 Happy  
.659 Passionate  
.653 Euphoric  
.614 Amused  
.600 Stimulated  
.568 inspired  
.560 Proud  
.553 Shivers / Thrilled  
.545 Brave

**21.54% of variance**

-.257 Despair  
-.415 Upset  
-.416 Depressed  
-.460 Sad

# Factor 2 – Melancholic Yearning

.644 Touched  
.598 Depressed  
.593 Sad  
.579 Despair  
.572 Tenderness  
.548 Melancholic  
.541 Sense of Longing  
.500 Upset  
.487 Spiritual  
.421 Sensual

**14.75 % Variance**

-.116 Electrified  
-.171 Energized  
-.216 Joyful  
-.392 Happy

# Factor 3 – Anxious Discomfort

.506 Anxious

.437 Upset

.382 Depressed

.375 Agitated

.319 Despair

.287 Energized

.272 Stimulated

.229 Shivers/thrilled

.226 Sad

**10.15 % Variance**

-.376 Tenderness

-.383 Meditative

-.561 Cozy/Comforted

-.691 Calm

-.716 Soothed

# Summary

- \* Overall music of Home is mostly: **Joyous & Happy Nostalgia** giving **Calm Comfort** and **Soothing**.
- \* **Canadians** (at home) and others from **Americas** most *Happy, Joy and Nostalgia* .
- \* **Asia** showed more *Anxious, Agitated & Upset* relative to others, but very little overall.
- \* **Eastern Europe** reported being *Touched* and *Sensual* more than other groups
- \* **Western Europe** reported most *Passionate, Spiritual, Electrified and Shivers / Thrilled* than other groups



Thank-you!



# References

- \* Laukka, P., Eerola, T., Thingujam, N.S., Yamaski, T. & Beller, G. (2013) Universal and Culture-Specific Factors in the Recognition and performance of Musical Affect Expressions. *Emotion*, 13 (3), 434-449.
- \* Zentner, M., Grandjean, D. & Scherer, K.R. (2008) Emotions evoked by the sound of music: Characterization, classification, and measurement. *Emotion*, 8 (4), 294-521.

# Factor 4 – Agitation

.580 Agitated

.313 Meditative

.308 Anxious

**5.05 % Variance**

.183 Calm

.157 Soothed

-.317 Shivers / Thrilled

-.502 Sense of Longing

-.558 Nostalgic

# Factor 5 – Meditative Nostalgia

.302 Meditative  
.294 Spiritual  
.284 Nostalgic  
.238 Electrified  
.212 Soothed  
.204 Calm  
.179 Euphoric  
.174 shivers/Thrilled  
.167 Anxious

**3.98 % Variance**

-.231 Touched  
-.260 Tenderness  
-.338 Proud  
-.359 Inspired  
-.472 Brave

# Factor 6 – Ambivalence

.374 Cozy/Comforted

.366 Amused

.293 Agitated

.239 Anxious

.235 Tenderness

.205 Nostalgic

**3.71 % Variance**

-.196 Stimulated

-.221 Shivers/Thrilled

-.221 Brave

-.225 Meditative

-.316 Inspired

-.371 Stimulated