Music communicates affects, not basic emotions – A constructionist account of attribution of emotional meanings to music

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Introduction

These are the data release notes for Harvard Dataverse http://dx.doi.org/doi:10.7910/DVN/VLVLX9 that relate to manuscript titled 'Music communicates affects, not basic emotions – A constructionist account of attribution of emotional meanings to music' by Julian Cespedes Guevara and Tuomas Eerola.

The starting point is a collection of studies which have explored which cues in music and speech relate consistently to particular emotion. We have coded the cue-emotion combinations from these existing studies and carried out a simple correspondence analysis (CA) that attempts to represent the cue - affect contingency matrix in an optimal fashion.

Data files

`cue_emotion_data.tab` is a comma-delimited file (CSV) and contains the following column variables and 1243 rows:

- `Domain` [string]: Either "Music" or "Speech"
- `Cue` [string]: String denoting the cue such as "Intensity", "Timbre", or "Mode"
- `Level` [string]: The levels of the cue ("high" vs "low" or "Legato" vs "Staccato")
- `Term` [string]: Affect term (Original such as "Restless" or "Anger")
- `Term_syn` [string]: Affect term after converting all variants into 5 basic emotions ("ANGER", "HAPPINESS", "SAD", "FEAR", "TENDER")
- `Quadrant` [string]: Quadrant in the affective space, four options: HAN=High Arousal Negative Valence, LAN=Low Arousal Negative Valence, HAP = High Arousal Positive Valence, HAN = High Arousal Negative Valence)
- `Study` [string]: Abbreviation of the study reporting the cue - affect combination such as "JL 2010" which stands for Juslin and Laukka 2010.
- `Basic_emotion` [string]: Basic emotion after converting all term variants into 5 basic emotions ("ANGER", "HAPPINESS", "SAD", "FEAR", "TENDER") based on the translation_data.

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`translation_data.tab` is a comma-delimited file (CSV) and contains two column variables:

- `Term` [string]: Term to be converted (unique terms from Juslin and Laukka, 2003)
- `Category` [string]: Category the term belongs to according to Juslin and Laukka 2003 such as FEAR, HAPPINESS, ANGER, SADNESS, or LOVE-TENDERNESS

This conversion 'dictionary' is used to assign unique affect terms into basic emotion categories.