Read-Me Guide for Simultaneity Judgement Task Data

This folder contains all the raw data collected for the Simultaneity Judgement (SJ) Task. The SJ task was conducted with two types of stimuli (flash-beep and face-voice) in three experimental groups (music training, music listening, and the control). For each participant, seven data-collection sessions were conducted bi-weekly. I have organised the data in three levels of hierarchy for a clear presentation.

1. Primary folders: three folders for the three experimental groups (Music training group, Music listening group, and Control group).
2. Secondary folders: data folders for each participant with participant number, e.g., ‘P01’ represents the data folder for the participant number 1.
3. Tertiary folders: Seven data folders (week1, week3, week5, week7, week9, week11, week13) for each participant that represents the seven bi-weekly data-collection points.

There are two data files within each tertiary folder, the following is a guide to understand the file name.

**01MS\_01\_M\_19\_MT\_13\_Apr\_2018\_15\_08\_30\_1**

**01MS** – 01 represents the first data-collection point, you will see 01-07 for each participant. MS is the initials of the participant.

**01** – Participant number was 01

**M\_19** – Participant’s gender and age, in this case, male and 19 years old.

**MT** – the experimental group participant was in, MT-music training, ML-music listening, C-control.

**13\_Apr\_2018** – Date of this data-collection point in day-month-year.

**15\_08\_30** – Time of this data-collection point in hour-minute-second.

**1** – the last digit of the file name represents the stimulus type. ‘1’ represents the face-voice and ‘2’represents the flash-beep. In this case, this is a file of face-voice raw SJ data.

The following is a guide to read each raw data file.

Take the first two lines of the file ‘01MS\_01\_M\_19\_MT\_13\_Apr\_2018\_15\_08\_30\_1’ for example, open this file you will see:

‘FV\_short\_133 0 5.4567

FV\_short\_-267 0 0.4468’

These data should be viewed in three parts. The first part, e.g., FV\_short\_133, represents the name of SJ test clip viewed by the participants. It was a face-voice clip with an SOA of 133 millisecond. The second part is a one-digit number that represents the accuracy of participant’s simultaneity judgement, ‘0’-wrong, ‘1’-correct. The third part, e.g., ‘5.4567’ shows the participant’s reaction time for this trial.