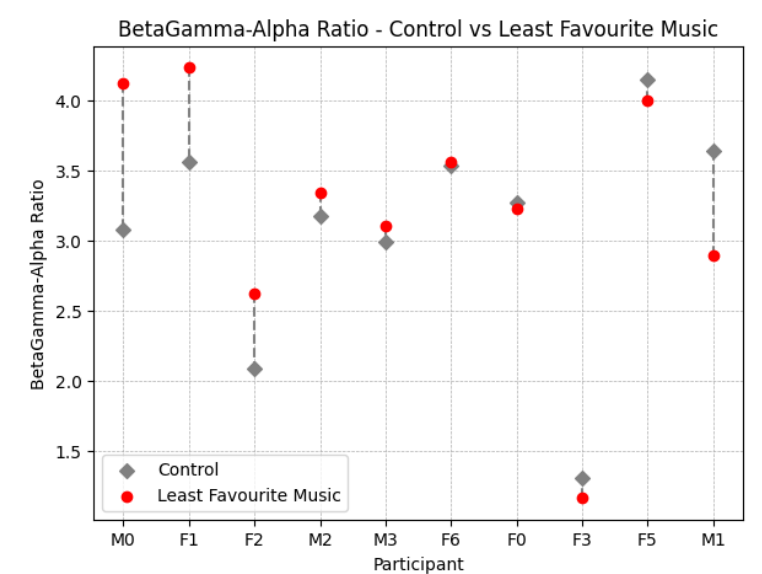
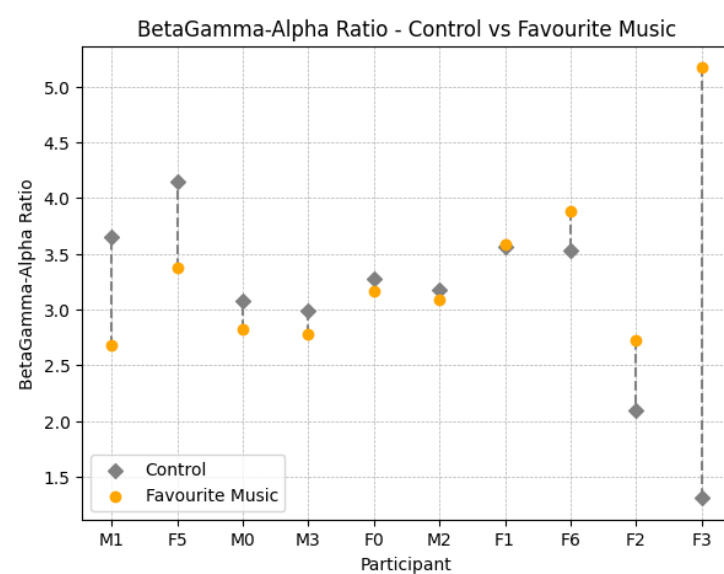
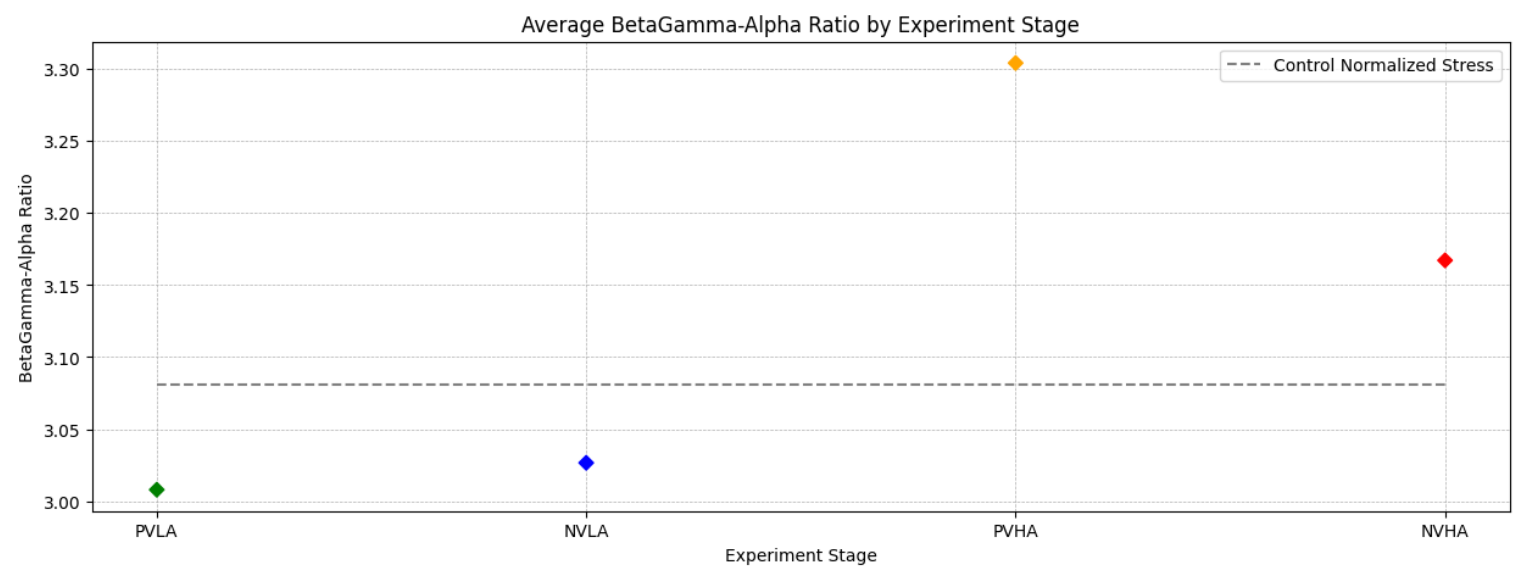
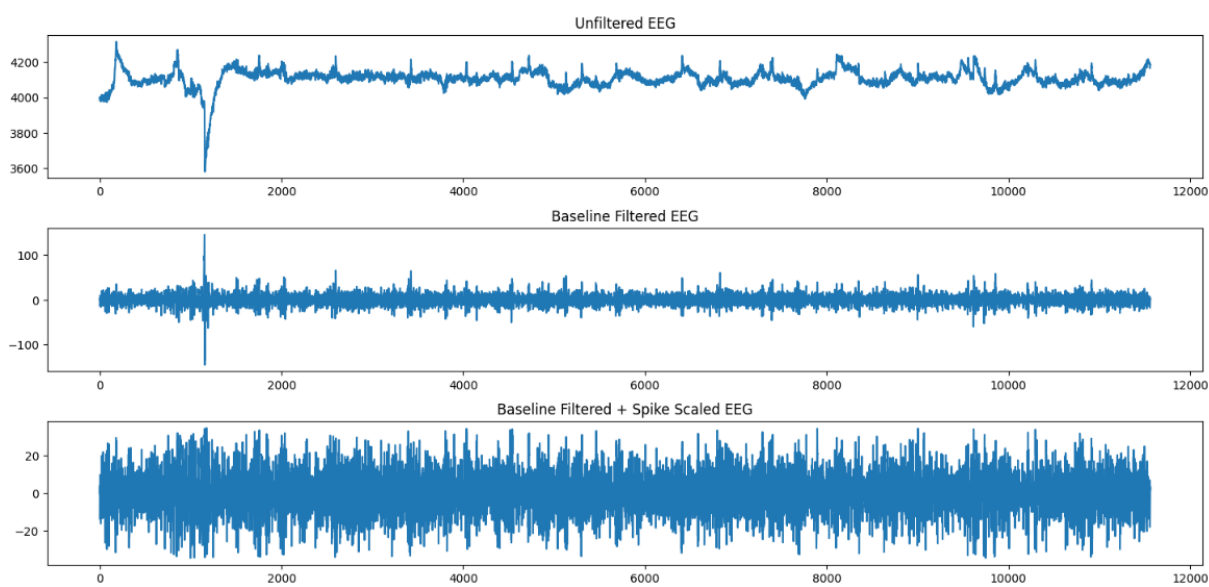


# Exploring Music's Impact on Stress Levels Through EEG Analysis

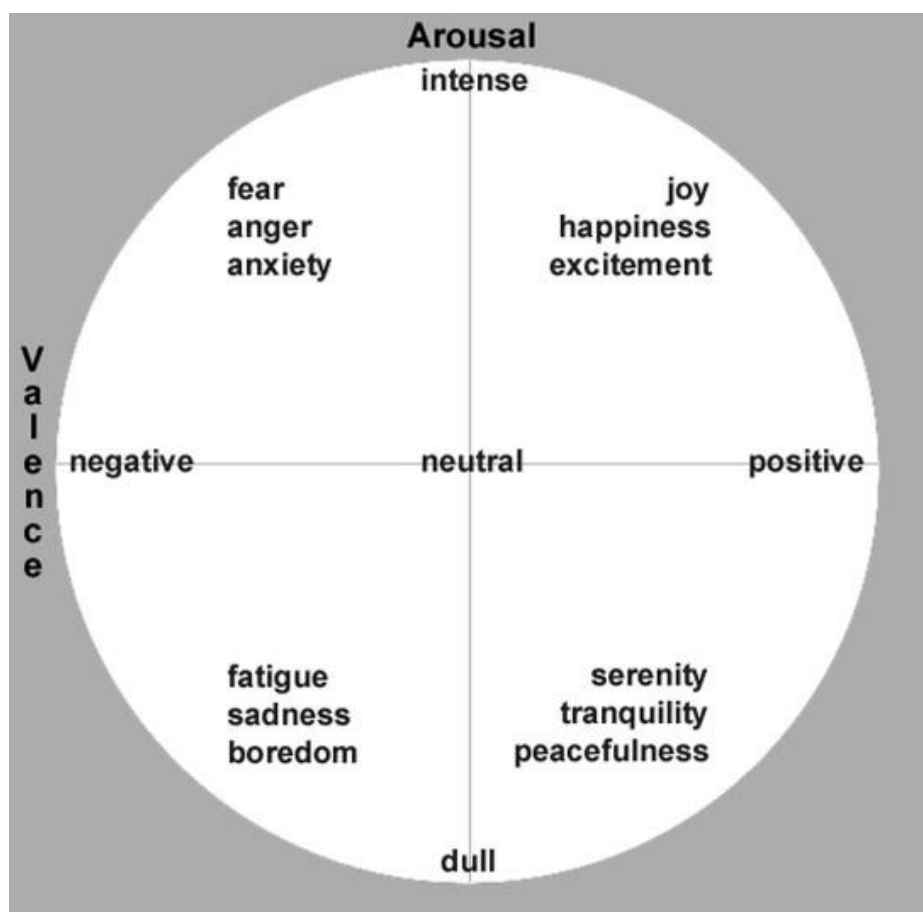
Student: Ong Meng How Ryan    Supervisor: Dr Smitha K G



## Project Objectives:

This project aims to investigate the impact of music's valence (emotional content) and arousal (energy level) on stress during stressor exposure, using physiological responses through Electroencephalogram (EEG) analysis alongside with subjective responses. Amid rising concerns about stress levels and their health effects, this project explores the potential of music as a real-time stress mitigation tool, identifying the key characteristics that helps to achieve optimal stress reduction.

## Valence-Arousal Model



## Experiment Stressors

Press 'Start' to begin the test  
Total Score = 0 Time Left = 89 secs

Start

Select the option that matches the COLOUR of the words  
Orange Yellow Black Green

Orange Yellow Black Green  
 Red Grey Brown Blue  
 Red Grey Black Green  
 Red Grey Brown Green

Next

Select the option that is the answer to the equation  
8 - 10 \* 8

-72  
 -71  
 -74  
 -16

Next

Scoring: Correct +2 | Wrong -1 | No Answer -2  
Wrong =  | No Answer =  | Blocked =