RAMAPO COLLEGE OF NEW JERSEY

Abstract

The purpose of this research was to measure emotional reactions to art and music and determine which one people react to more. hypothesized that people would react more to music than a visual stimulus based upon previous studies. The same visual stimuli were presented to study participants with different music. Both the visual and musical components were original pieces. Results indicated that individuals reacted differently to the visual stimuli depending on the music being played.

Method

• 37 participants took part in the study

Each participant watched two short videos, one "happy" and one "sad"

 The happy video depicted a girl reacting to the random appearance of a cup and water dispenser The sad video depicted the planets slowly dissolving/ exploding and the sun imploding

• Each video was paired with music – either "happy music" or "sad music"

 After each video, participants indicated on a survey what emotion they felt while watching

Video 1

Survey

Please indicate the emotion that you experienced the most as you watched the first video sequence. Please circle the word below that best describes your emotional reaction to this video.

Anger Sadness Happiness

Fear



Musical versus Visual Cues to Emotion Ariana Rivera

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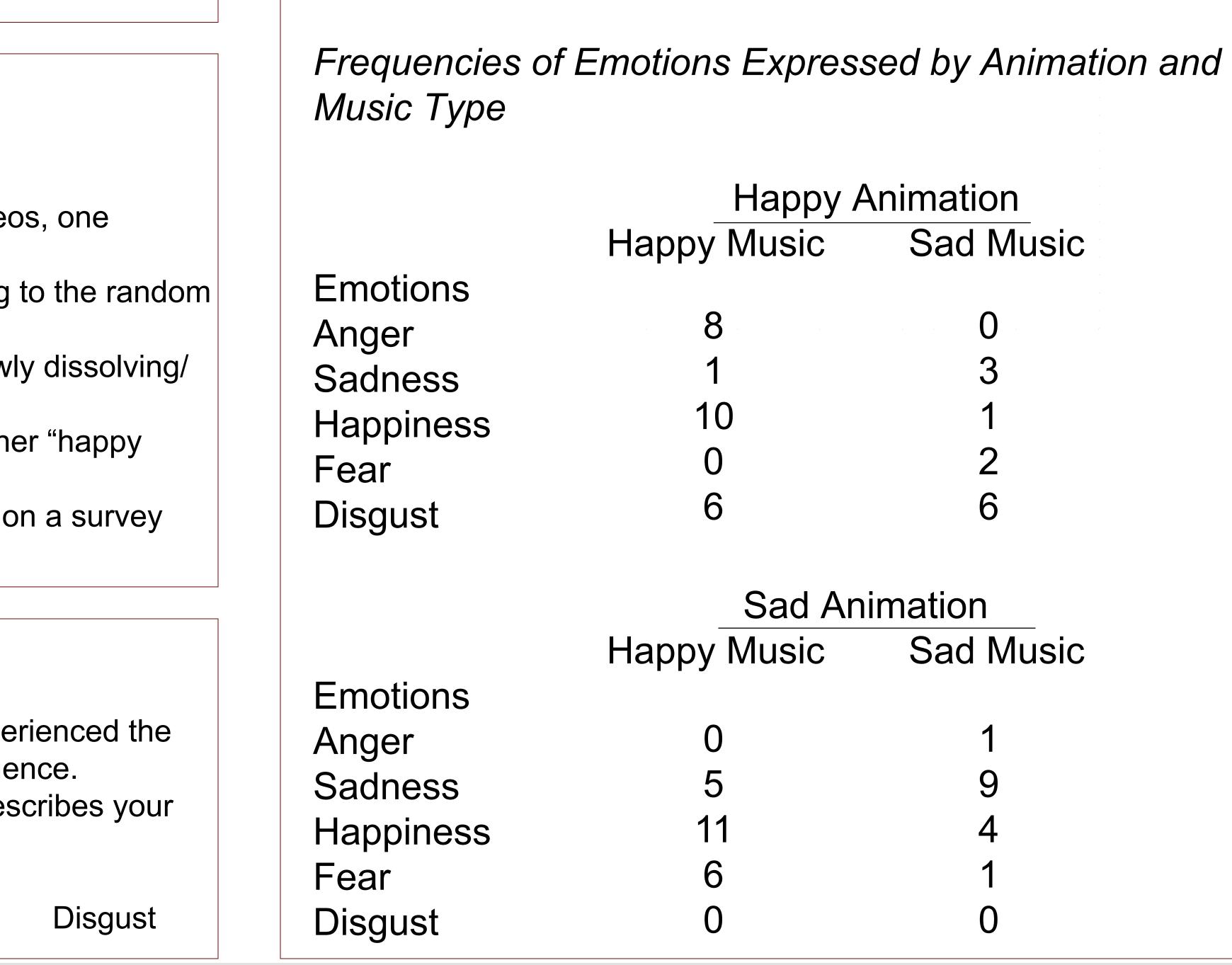
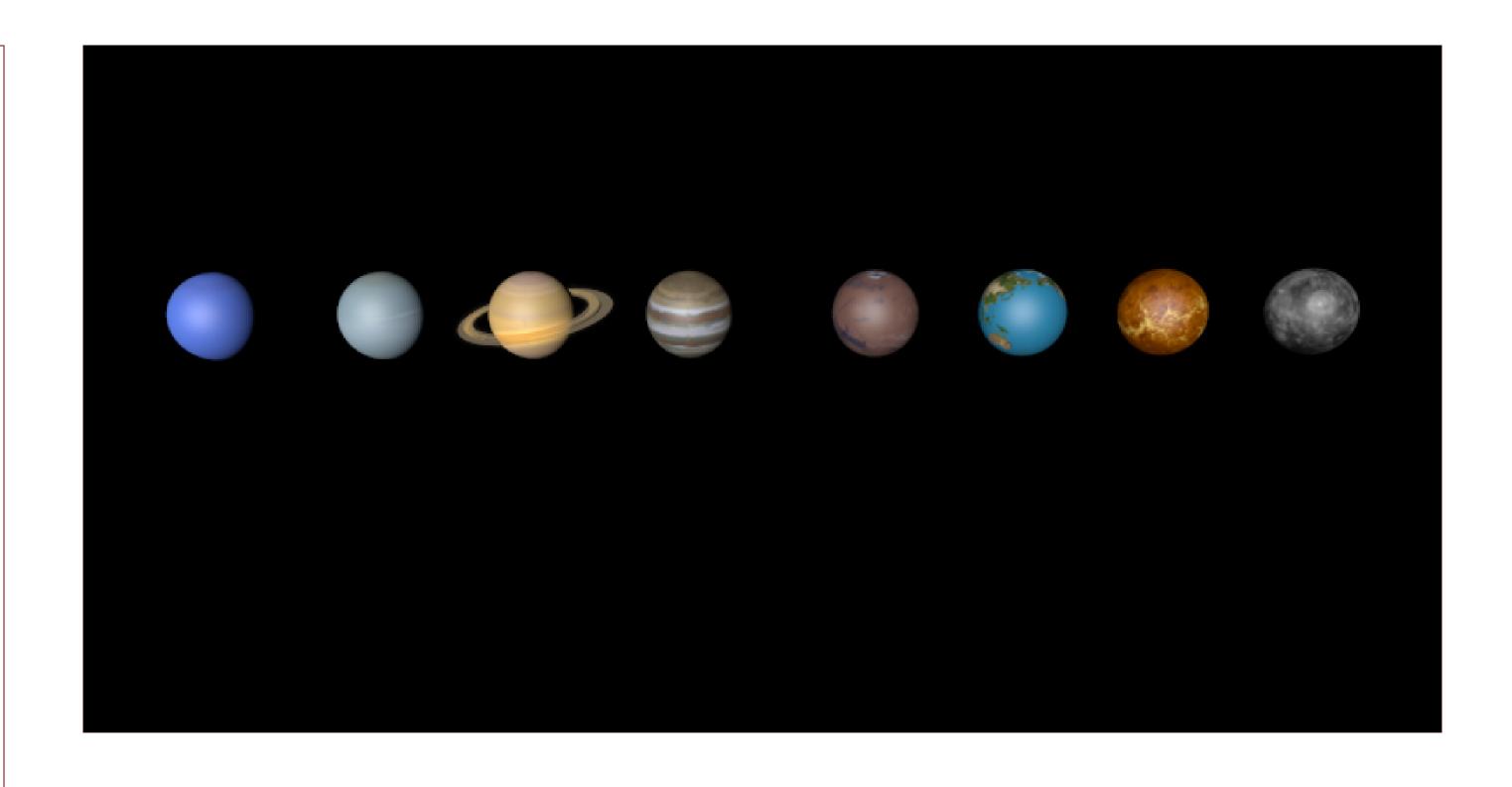


Table 1



| y Animation Sad Music |
|--------------------------|
| 0 |
| 3 |
| 1 |
| 2 |
| 6 |
| Animation Sad Music |
| 1 |
| 9 |
| 4 |
| 1 |
| 0 |

Results

"happy" stimuli, participants were equally likely to experience anger, happiness, and disgust, combination impacted people.

more solemn, participants were equally likely to experience sadness, happiness, and fear, χ^2 (2, N = 22) = 2.58, p = .28. Once again, the animation and music combination struck people differently.

experienced something negative and only 1 experienced happiness, $\chi^2(1, N = 12) = 6.76, p = .01,$ have more impact than the animation.

participants experienced sadness, χ^2 (3, N = 15) = 11.40, p = .01, as was expected.

Conclusion

People reacted more to sad music than a happy video when they were paired, thus reacting to the negative emotional content of the music more than to the visual content of the video. However, in general, the data show strong individual differences in how people reacted to the music and visual art.



When the song and animation were both created to be χ^2 (2, N = 24) = .88, p = .64. It appears that there were individual differences in how this animation and music

When the song was "happy" but the animation was

For the sad song and happy animation combination, the most common emotion experienced was disgust, rather than sadness or happiness, albeit not significantly so, χ^2 (3, N = 12) = 4.67, p = .20. Overall, 11 participants

a significant effect. In this case, the music appeared to

Finally, for the sad song with solemn animation, most