MUSIC ACOUSTIC FEATURES: DO MACHINE PREDICTIONS CORRESPOND TO HUMAN JUDGMENTS?

Maya B. Flannery, Department of Psychology, Neuroscience & Behaviour, McMaster University Matthew H. Woolhouse, School of the Arts, McMaster University Contact: flannerm@mcmaster.ca

BACKGROUND

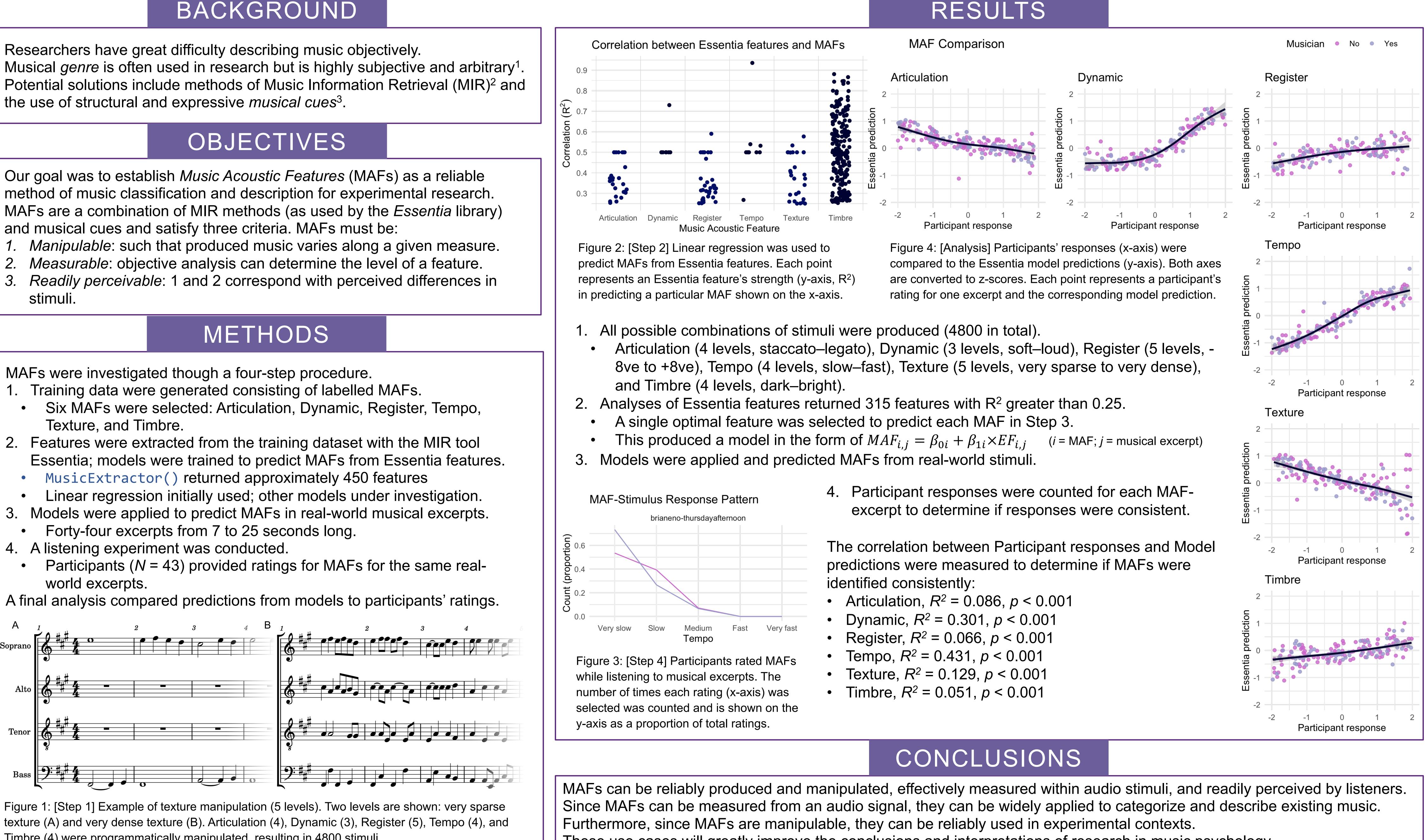
------))) //

З.

stimuli.

- Texture, and Timbre.

- world excerpts.



Timbre (4) were programmatically manipulated, resulting in 4800 stimuli.

References: 1. Aucouturier, J.-J., & Pachet, F. (2003). Representing Musical Genre: A State of the Art. Journal of New Music Research, 32(1), 83–93. 2. Bogdanov, D., Wack, N., Gómez, E., Gulati, S., Herrera, P., Mayor, O., Roma, G., Salamon, J., Zapata, J., & Serra, X. (2013). Essentia: an open-source library for sound and music analysis. Proceedings of the 21st Acm International Conference on Multimedia, 855–858. 3. Eerola, T., Friberg, A., & Bresin, R. (2013). Emotional expression in music: Contribution, linearity, and additivity of primary musical cues. Frontiers in Psychology, 4, 487. Ethics: Approved by McMaster Research and Ethics: Approved by McMaster Research Board.

These use cases will greatly improve the conclusions and interpretations of research in music psychology.

McMaster

University