

Student Researcher: Neil Kale

Title of Project: Exploring Emotional Sentience in AI-Created Music

I am asking for your voluntary participation in my science fair project. Please read the following information about the project. If you would like to participate, please sign in the appropriate area below.

Purpose of the project: To determine whether AI-produced music is indistinguishable from human-produced music, and, in turn, whether AI can convey emotions to humans via music.

If you participate, you will be asked to: Listen to a series of excerpts from musical pieces, and classify each piece as one of the following: human written, algorithm-written, indistinguishable.

Time required for participation: 5-10 minutes

Potential Risks of Study: As with any music, playing these samples at high volume could cause hearing damage. Please keep the volume at a comfortable level.

Benefits: If you enjoy music, you may enjoy this exercise. Additionally, being able to differentiate between AI and human created forms of emotional expression may become a vital skill in the future. Already, telling “deep fakes” apart from real videos of celebrities and politicians is vital to prevent misinformation. As AI becomes more emotionally sophisticated, it may soon be difficult to differentiate between a real Beethoven symphony and an algorithmic “deep fake”. This survey serves as a practice round for would-be connoisseurs of human music.

How confidentiality will be maintained: The data which you share will be stored in a password-protected account only accessible to me, my project mentors, and the project supervisor. Furthermore, no identifying information is required.

If you have any questions about this study, feel free to contact:

Teacher / Project Supervisor: Dr. Kevin Crowthers

Email: kcrowthers@wpi.edu

Voluntary Participation:

Participation in this study is completely voluntary. If you decide not to participate there will not be any negative consequences.

Please be aware that if you decide to participate, you may stop participating at any time and you may decide not to answer any specific questions.

By signing this form, I am attesting that I have read and understand the information above and I freely give my consent/assent to participate or permission for my child to participate.

Adult Informed Consent or Minor Assent (Required for all subjects):

Date Reviewed & Signed: _____

Research Participant Printed Name: _____

Signature: _____

Parental/Guardian Permission (Required for all subjects under 18 years):

Date Reviewed & Signed: _____

Parent/Guardian Printed Name: _____

Signature: _____