# CalmSet: A Therapeutic Music Dataset for Children with Autism

# Supplemental Materials

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# Screen Out Survey

## Introduction Block

**Music Classification**
Welcome! Thank you for participating in this survey. We are going to ask you a few simple questions that will help us design future HITs.

## Demographics Block

**Q3. Do you have any formal training in music or psychology? (Select all that apply)**
▢ Music performance or composition (1)
▢ Music Therapy (2)
▢ Psychology or Neuroscience (3)
▢ Music Education (4)
▢ No formal training, but I have experience in: (5) _____

**Q4. How often do you listen to music?**
o Rarely (1)
o A few times a week (2)
o Daily (3)
o Multiple times per day (4)

**Q5. Do you play a musical instrument?**
o No (1)
o Yes (2)

# Domain Knowledge Block

**Q6. Which of the following musical elements are commonly associated with expressing emotions in music? (Select all that apply)**
▢ Tempo (1)
▢ Key (Major/Minor) (2)
▢ Harmonic Complexity (3)
▢ Lyrics (4)
▢ None of the above (5)
▢ I don't know (6)

**Q7. Which musical feature is most commonly associated with a "sad" emotion?**
o Slow tempo and minor key (1)
o Fast tempo and major key (2)
o High pitch with rapid rhythm (3)
o None of the above (4)
o I don't know (5)

**Q8. A song that is highly energetic with an upbeat tempo is most likely to evoke which emotion?**
o Joy (1)
o Sadness (2)
o Fear (3)
o Calmness (4)
o I don't know (5)

**Q9. What role does music play in therapy for individuals with autism spectrum disorder (ASD)? (Select all that apply)**
▢ Enhancing emotional expression (1)
▢ Improving communication skills (2)
▢ Stimulating cognitive functions (3)
▢ No known role in therapy (4)
▢ I don't know (5)

**Q10. Which of the following sound characteristics might be soothing for relaxation in a therapy session? (Select all that apply)**
▢ Slow tempo (1)
▢ High-pitched, fast rhythms (2)
▢ Soft dynamics (3)
▢ Harsh, dissonant tones (4)
▢ I don't know (5)

# Attention Check Block

**Q11. What color is the sky on a clear day?**
o Green (1)
o Blue (2)
o Red (3)
o Yellow (4)

**Q12. Please select the third option below.**
o First (1)
o Second (2)
o Third (3)
o Fourth (4)

# Music–Emotion Classification Task (Without Audio)

**Q14. A piece of music with a slow tempo, played softly on a piano, featuring a minor key melody and gradual dynamic changes. What emotion does this best represent?**
o Happy (1)
o Sad (2)
o Angry (3)
o Calm (4)
o I don't know (5)

**Q15. A fast-paced song with a driving rhythm, major key harmonies, and bright brass instruments playing an energetic melody. What emotion does this best represent?**
o Joy (1)
o Fear (2)
o Excitement (3)
o Melancholy (4)
o I don't know (5)

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**Q16. A piece of music with deep bass tones, irregular rhythms, high-pitched dissonant violins, and an unpredictable tempo. What emotion does this best represent?**
o Happy (1)
o Fear (2)
o Calm (3)
o Sad (4)
o I don't know (5)

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**Q17. A soft ambient soundscape with gentle strings, long sustained notes, and slow harmonic progressions. What emotion does this best represent?**
o Angry (1)
o Joy (2)
o Calm (3)
o Sad (4)
o I don't know (5)

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## Experience & Feedback Block

**Q18. Did you find the emotional classification task difficult?**
o Very easy (1)
o Somewhat easy (2)
o Neutral (3)
o Somewhat difficult (4)
o Very difficult (5)

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**Q19. How confident are you in your ability to classify music by emotional content?**

1 = Not confident at all
 5 = Very confident

(Scale: 1–5 Likert slider)