

Emotional Recognition Through Audio Analysis

By Prithvi Marupilla

Human Interaction

Audio Analysis

What is it?

- Looks into audio segments
- Extracts information from them

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Speech Recognition

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- Computer's ability to process spoken words
- Used in technologies like Siri, Google Assistant and Amazon's Alexa.

Voice Recognition

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- Identify people by unique characteristics in their voice
- Focuses on voice rather than words spoken
- Can be used for security purposes

Music Recognition

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- Recognizes songs through a short audio sample
- Popular in Shazam to find the song and Spotify to group related tracks

Computer Interaction

Audio Analysis for Emotion

2019 Study from Hyderabad

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- By Kranthi Vanukuru
- Found a 93.12% accuracy with the software he was using
- Found the females are harder for the computer to recognize because they can display two emotions in one sentence
- While males express different emotions in different manners

Conclusion

Citations

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