

Speech Emotion Recognition using Machine Learning

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Abstract: *In day to day life Language is an essential requirement for humans to communicate, with speech serving as the primary medium. The human voice having so many attributes such as pitch, vocal, accent and etc. Emotion recognition is technology that extracts emotion features from computer speech signals, compares them, and analyses the feature parameters and the obtained emotion changes. Like someone is clam and next moment they will be excited then also the emotion is changes. Speech emotion recognition is a trending research topic these days, with its main motive to improve the human machine interaction. over an acoustic channel This is what we're talking about here, Speech recognition entails digitizing and converting sound waves into basic language units called phonemes, creating words from phonemes, and contextually assessing the words to ensure correct spelling for words that sound similar. Speech Recognition refers to a computer's capacity to detect a caller's responses and move them along the cell's flow. You can use your voice to provide input to an application using speech recognition.*

Keywords: Speech Signal, Communication, interaction, MFCC(Mel Frequency CepstralCoeff), CNN, DSCNN, Berlin, Training & Testing , Emotion Recognition

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