Music Recommendation System Based on Human Emotion Recognition

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Abstract: *This project presents human feelings recognition can be solved by analysing one or more of these features. Choosing to follow the lexical features would require a transcript of the face which would further require an additional step of feature extraction from face if one wants to predict emotions from face reaction is the act of attempting to recognize human feelings and affective states from face. This is also the phenomenon that animals like dogs and horses employ to be able to understand human feelings, we will use the libraries Tensorflow and keras to build a model using an Artificial Neural Network. This will be able to recognize feelings from face data set. We will load the data, extract features from it, then split the dataset into training and testing sets. Then, we'll initialize an Artificial Neural Network and train the model. Finally, we'll calculate the accuracy of our model*

Keywords: object detection, Emotion recognition, CNN, ANN

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