Project: Voice Emotion Detection

Goal: Detect emotion from an audio recording- **happy,sad , angry,fearful**

Steps:

-Search for a pretrained model

-Construct a big dataset

-Train the model to obtain better results

**1.Articles** about this topic:

<https://www.projectpro.io/article/speech-emotion-recognition-project-using-machine-learning/573#mcetoc_1fu6b81tbp>

Github repo: <https://github.com/MiteshPuthran/Speech-Emotion-Analyzer>

<https://towardsdatascience.com/self-supervised-voice-emotion-recognition-using-transfer-learning-d21ef7750a10>

<https://www.analyticsinsight.net/speech-emotion-recognition-ser-through-machine-learning/>

<https://web.stanford.edu/class/cs224s/project/reports_2017/Anusha_Balakrishnan.pdf>

<http://cs229.stanford.edu/proj2007/ShahHewlett%20-%20Emotion%20Detection%20from%20Speech.pdf>

<https://arxiv.org/ftp/arxiv/papers/1901/1901.04110.pdf>

* <https://dspace.mit.edu/bitstream/handle/1721.1/136785/12559_2021_Article_9865.pdf?sequence=1&isAllowed=y>

Speech emotion recognition in 7 minutes (Rob) – pdf

<https://www.mdpi.com/2076-3417/11/4/1890/htm>

<https://vivoka.com/how-to-speech-emotion-recognition/>

<https://hackernoon.com/build-your-own-voice-recognition-model-with-tensorflow-td3r33tv>

deeplearning reminder: <https://www.youtube.com/watch?v=l42lr8AlrHk>

<https://www.youtube.com/watch?v=p5glHn5Nlo0&ab_channel=leadingindia.ai>

very good video : <https://www.youtube.com/watch?v=uD-PFF4KQPA&ab_channel=MicrosoftResearch>

**2.Datasets:**