

AI/ML Internship @ InterviewCracker

Assessment assignment:

Train-test an ML model to “Count number of speakers and speaker’s gender” from recorded audio .mp3/.wav files using **librosa** [<https://librosa.org/>]

[Use Jupyter Notebook or equivalent; All code development in *.py*]

1. Identify open ready training data-set
2. Add your own data to the training data-set
3. Train the model
4. Create test data
5. Test the model
6. Publish accuracy of result
7. Identify/list enhancements / changes required to increase accuracy
8. Publish your code (Jupyter notebook or cpde), results and test procedure with a readme.txt on github

References [that can be re-used]:

1. <https://data-flair.training/blogs/python-mini-project-speech-emotion-recognition/>
2. <https://www.analyticsvidhya.com/blog/2017/08/audio-voice-processing-deep-learning/>
<https://www.thepythoncode.com/article/building-a-speech-emotion-recognizer-using-sklearn>

Important dates

1. Submission of assignment by: 24th Sep, 2021; 11:59 PM

How to submit

2. Project content with source code, results and test procedure with a readme.txt on github / shared drive
3. Submit completion form - <https://forms.gle/etHsLko61dQCrATk7>