

## Assignment 5b

EE698V – Machine Learning for Signal Processing

The audio data you collected is available here:

[https://drive.google.com/drive/folders/11yt2PWlLcTp5uidG8CdCQ9\\_SkjrXgn9d?usp=sharing](https://drive.google.com/drive/folders/11yt2PWlLcTp5uidG8CdCQ9_SkjrXgn9d?usp=sharing)

See your name in the list below. You have been assigned the ownership to take care of a part of the dataset. Do the following exercises for the folders assigned to you.

1. Make sure each audio-file is a 10s wav file. If it is not, report it to Venkatesh (TA, [tentu@](mailto:tentu@)), convert it to 10s wav file and hand over to him to update the audio database. If the labels are missing, please ask Venkatesh.
  - Tip: You can use sox (unix utility) for quick audio manipulation from command line <http://billposer.org/Linguistics/Computation/SoxTutorial.html>
2. Listen to the audio, without seeing the labels, and prepare your own annotations.

Submit your answers as a csv file in the following format:

<filename.wav>,<previous-label>,<your-blind-label>

E.g.:

170088/1.wav,speech,music

170088/2.wav,doorclose,doorclose

170091/1.wav,speech,speech

170091/4.wav,doorknock,speech

3. Perform IAA analysis, and report Cohen's Kappa score and accuracy for each category.

Submit your answers as a csv file in the following format:

<folderName>,<kappa-score>,<accuracy>

E.g.:

170088,0.9,0.8

170091,0.4,0.7

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