

ADVANCED TOPICS AND SEMINARS IN DATA SCIENCE: SPEECH RECOGNITION PROJECT

In this project, you are tasked with developing a speech classification model capable of accurately identifying emotions in spoken language. The project will involve training the model on a provided labeled emotion dataset and subsequently evaluating its performance on a designated test set.

Upon completing the training phases, you will be required to annotate the unlabeled test set based on the model's predictions and submit the final **notebook** as well as the **predicted labels** to the professor for grading.

Data set:

- *EmotionalSpeechSetBlind*: Folder contains .wav files
- *Train_audio_liste.csv*: CSV file with training wav files with their labels
- *BlindTest_audio_liste.csv*: The test file to be annotated and submitted

Submission file format:

The submission file should be in CSV format and in the same order as the given *BlindTest_audio_liste.csv*. Example:

```
filepath,label
220.wav, disgust
602.wav, happy
1673.wav, disgust
1492.wav, angry
304.wav, disgust
53.wav, angry
1958.wav, fear
```

The submission file should be named as follow: *YourName_Test_audio_liste.csv*