



Internal presentation wk10

Team Emo

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What have we done?

- Learning Lab
- Evaluation
- Research Proposal
- Splitting audio files in chunks



Evaluation

- Cleaning the data increases recall with 3%
- Splitting the data based on gender also increases recall with 3%
- There are large differences between the results from the different datasets
- More conclusions to follow...

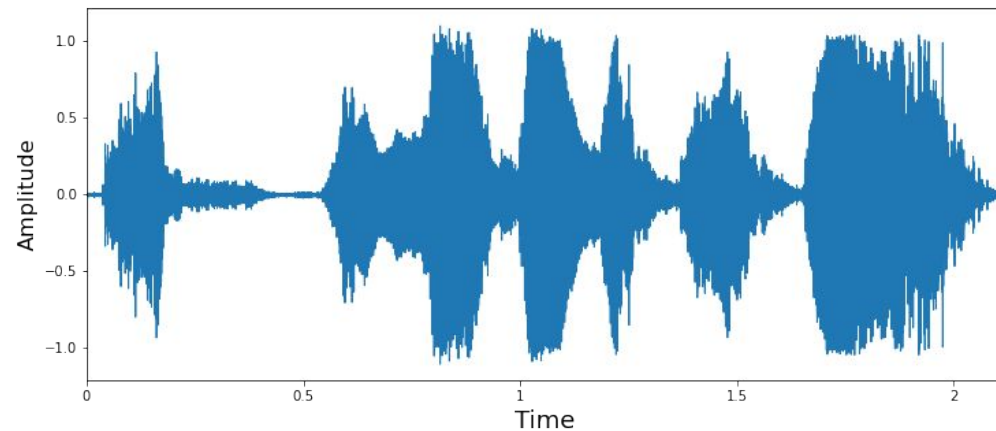


Research Proposal

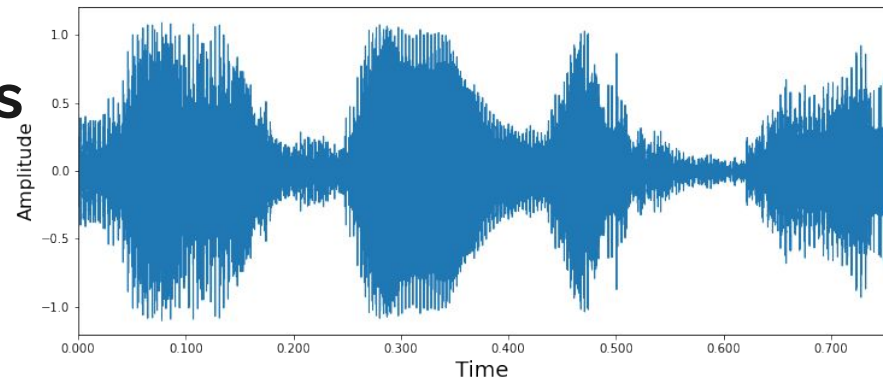
Which machine learning models achieve the highest recall classifying emotions, using two datasets containing audio with labeled vocal emotional expressions recorded in a professional recording studio, in order to recognize emotions within household environments?

Splitting audio files in chunks

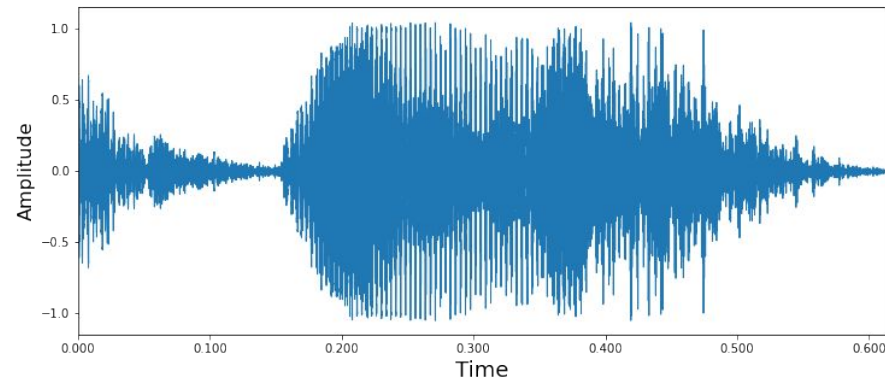
WAVEFORM - ANG - ORIGINAL



WAVEFORM - ANG - CHUNK 2



WAVEFORM - ANG - CHUNK 3





What were the challenges

- Unable to perform GridSearch on SVM.
- Learning Lab took more time than expected
- There are many factors to consider when evaluating



What are we going to do this week?

- Continue the evaluation
- Rebuild our models to use interfaces
- Splitting and augmenting datafiles for CNN
- Improve Jupyter Notebooks file structure