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Summary

- The draft paper was rewritten with feedback from Mia.
- MFCC and Mel spectrum compared what is the best way to train our model.
- The script and presentation for mid-presentation finally wrote [1]-[11].
- The mid-presentation finished.

What TN completed this week

- MFCC and Mel spectrum compared what is the best way to train our model.
    - The Mel spectrogram shows a stark difference. Fast sound shows a vertical yellow line.
    - Fast sound shows more bright color than slow sound.
    - Mia said the model can distinguish this data.

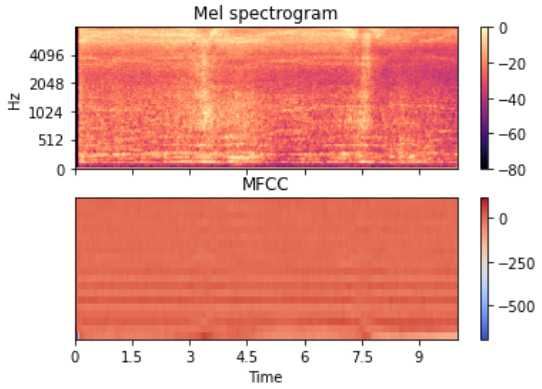

fig 1. This image show fast sound feature using Mel spectrogram and MFCC

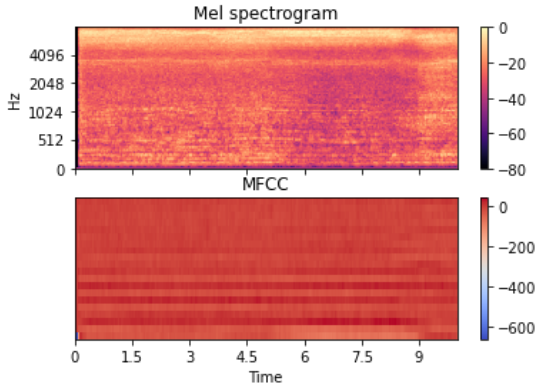

fig 2. This image show slow sound feature using Mel spectrogram and MFCC.

- The script and presentation for mid-presentation finally wrote [1]-[11].
- README.md is written for environment setting and overview of methodology.
- The middle presentation was presented to other students on Mar 28.

Things to do by next week

- Buy another type of drone for collecting dataset.
- Finish the Introduction part and restart working on the literature review part.

Problems or challenges:

- What kind of Pytorch version will be installed?

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