[proposal](#)

Data sets

Example of Music Genre Classifier

- [Audio Data Analysis Using Deep Learning with Python (Part 2) - KDnuggets](#)

Audio Files and Text Files with Genre Info:

- [ISMIR 2004 - 5th International Conference on Music Information Retrieval](#)
- [ISMIR04 Genre Identification task dataset (zenodo.org)](#)

Fourier transform [Sean McDonald]

- Python functions to do Fourier Transforms
- Figure out if Fourier Transform is necessary (find libraries in pytorch and tensorflow that can process mp3 files, no need for fourier transform)
- Find other features that can be taken from mp3 files

Dable Pytorch [MinJun Baik]

- It is open-source deep learning framework
- [Introduction to audio classification with PyTorch](#)
- Library for processing audio:
    - [Speech classification](#)
- Functions:
- Input:
- Output:
- Pros and cons:
-

Dable Tensorflow [Erik Oas]

Really good article on this:
https://towardsdatascience.com/music-genre-classification-with-tensorflow-3de38f0d4dbb
- Library for processing audio:
- Functions:
- Input:
- Output:
- Pros and cons: