Interpreting audio data

* Sound files 🡪 spectrograms 🡪 CNN linear classifier
  + Librosa library seems to be most commonly used for transformation
* Could find dataset with some preprocessing done, but will likely have to do processing for user input data anyway

<http://bark.phon.ioc.ee/voxlingua107/> - huge speech dataset (not sure how to download) [voxlinguana] – will use this one and eliminate some languages because this one has too many

<https://opensource.com/article/19/9/audio-processing-machine-learning-python> - processing data intro article

<https://www.youtube.com/watch?v=iCwMQJnKk2c&list=PL-wATfeyAMNqIee7cH3q1bh4QJFAaeNv0> – long audio signal processing youtube playlist – will watch when coding this week

<https://towardsdatascience.com/audio-deep-learning-made-simple-sound-classification-step-by-step-cebc936bbe5> - original sound classification explanation article with diagram

<https://github.com/getalp/mass-dataset> - dataset of some kind from github (bible one) [99% chance I don’t use this]

<https://downloads.tatoeba.org/exports/> - dataset for written language identification – will use this in the event that transforming audio data becomes too difficult to do in 5 weeks (hopefully not I would very much like to use audio data)