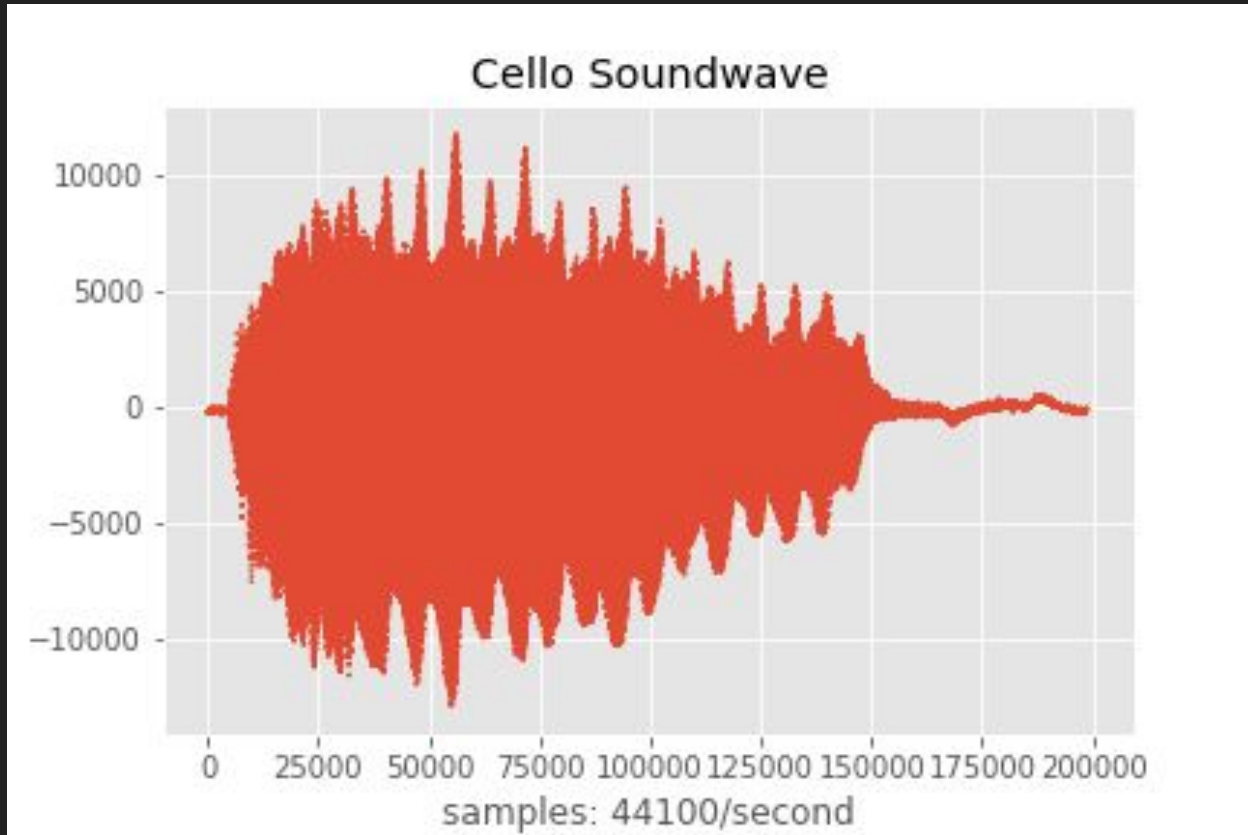
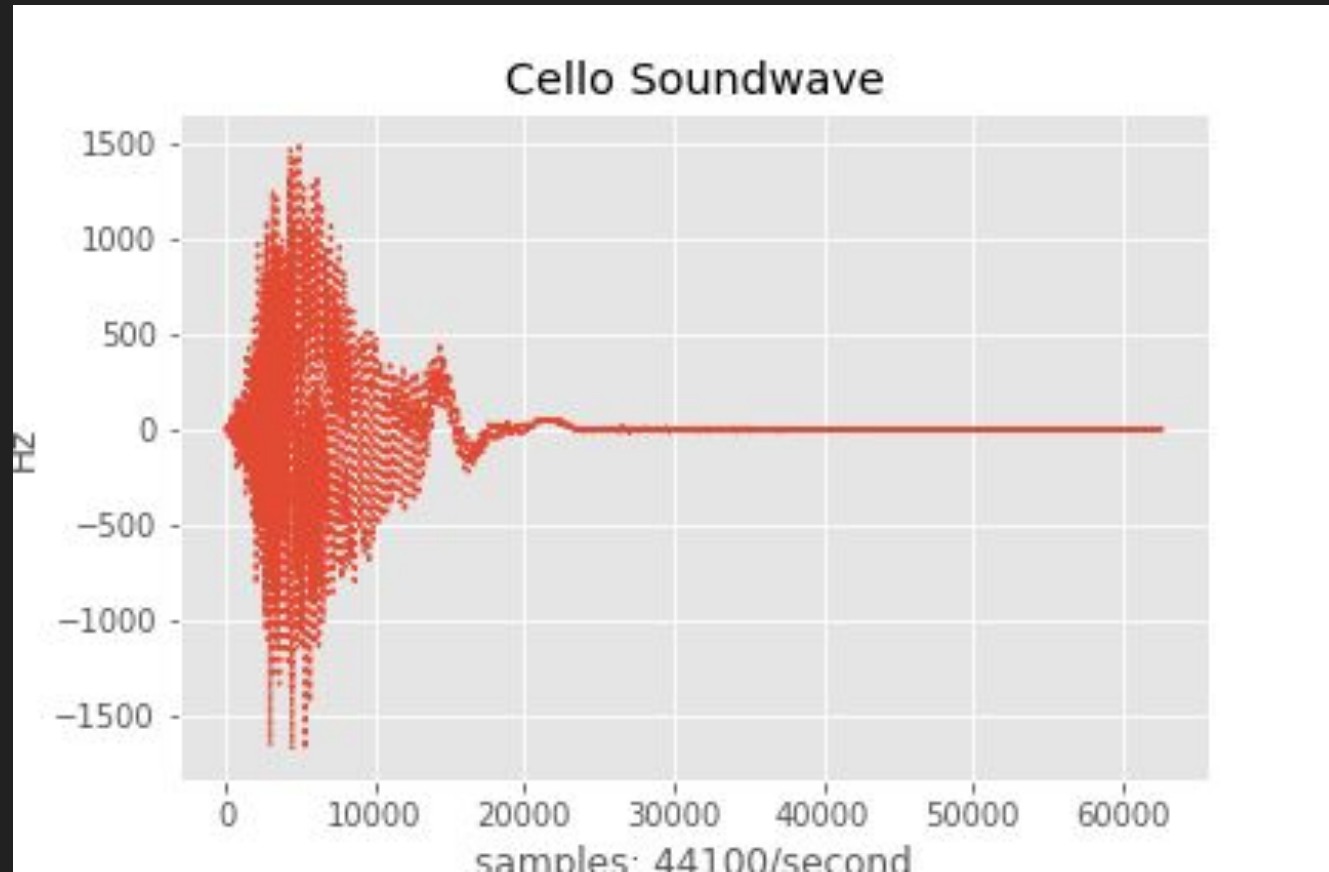


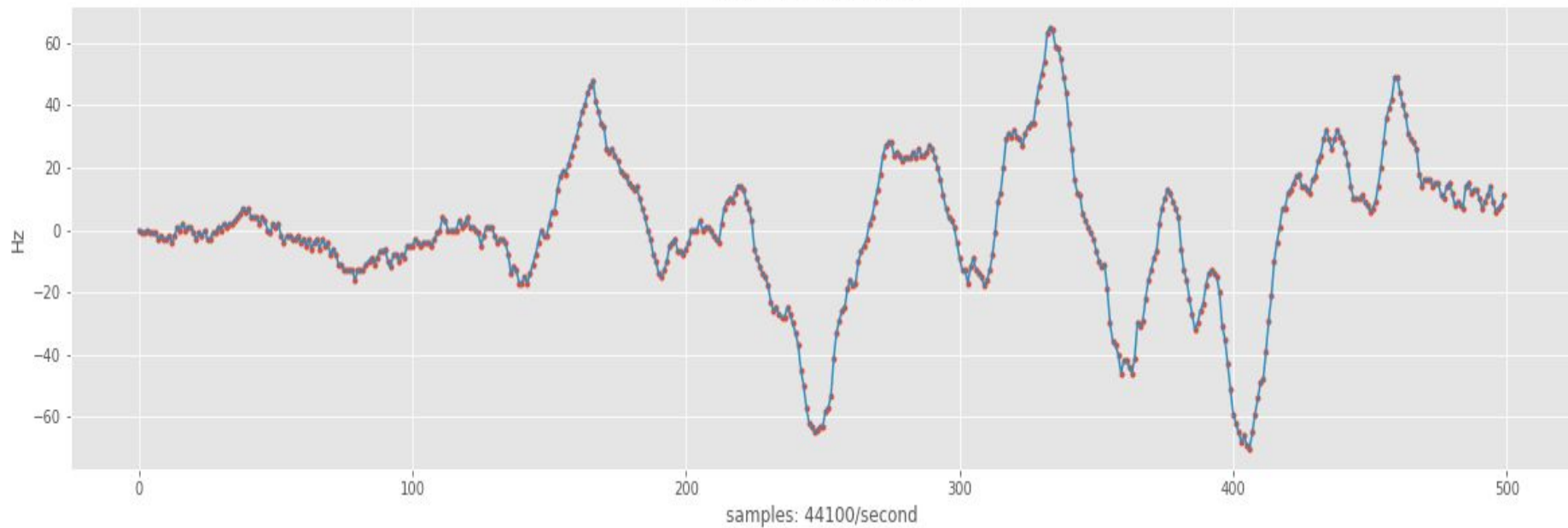
Sound is Vibration



Sound is Vibration



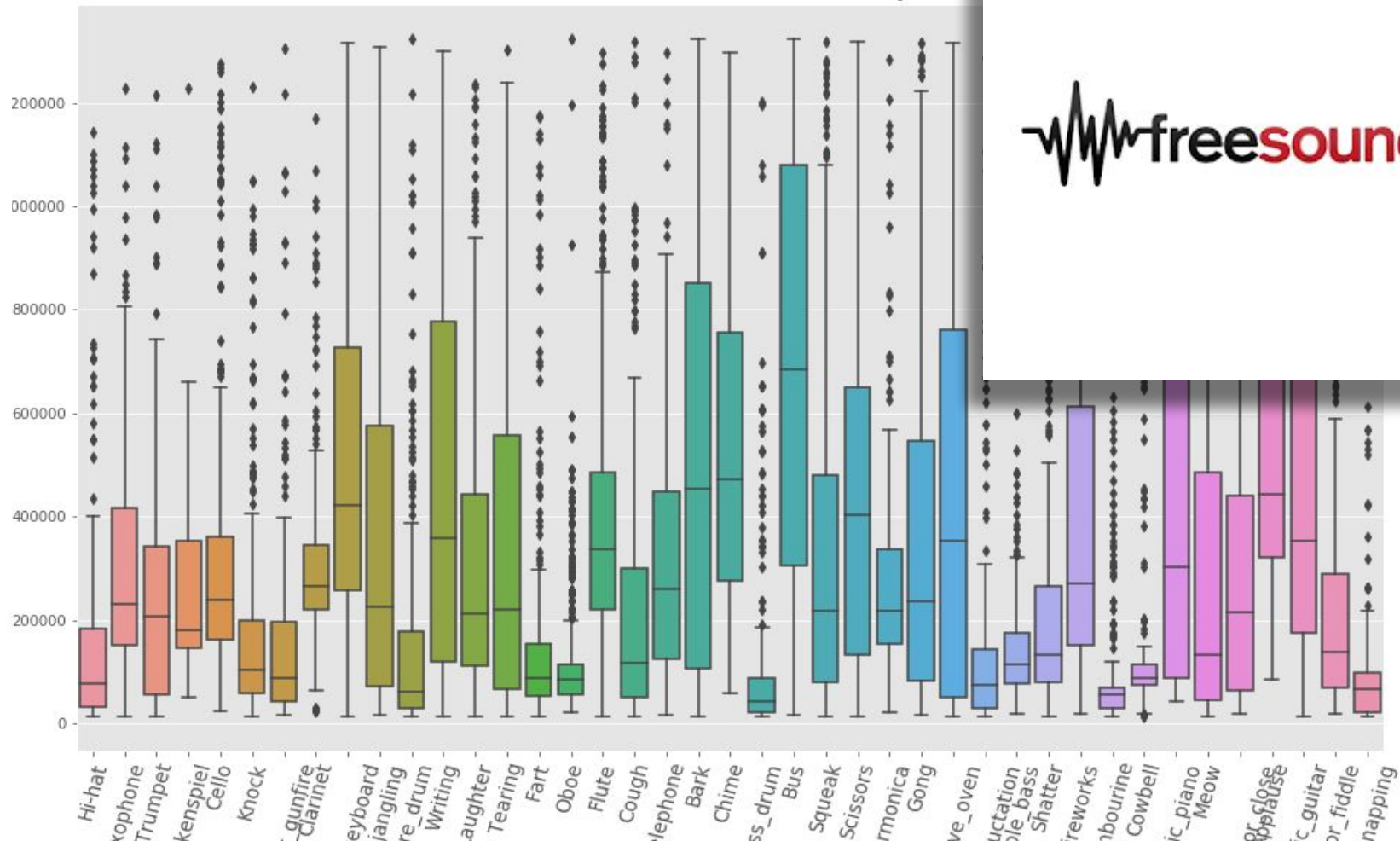
Cello 1st 500 Frames



CNN or RNN

Distribution of Audio Frames Divided by Class

Audio Length (# samples)



Putting Things Together

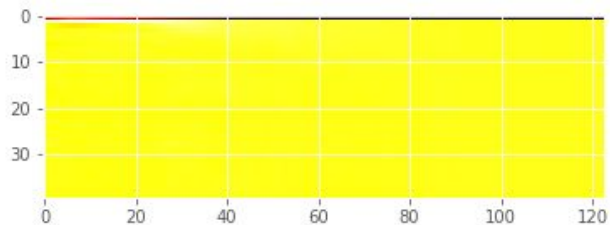
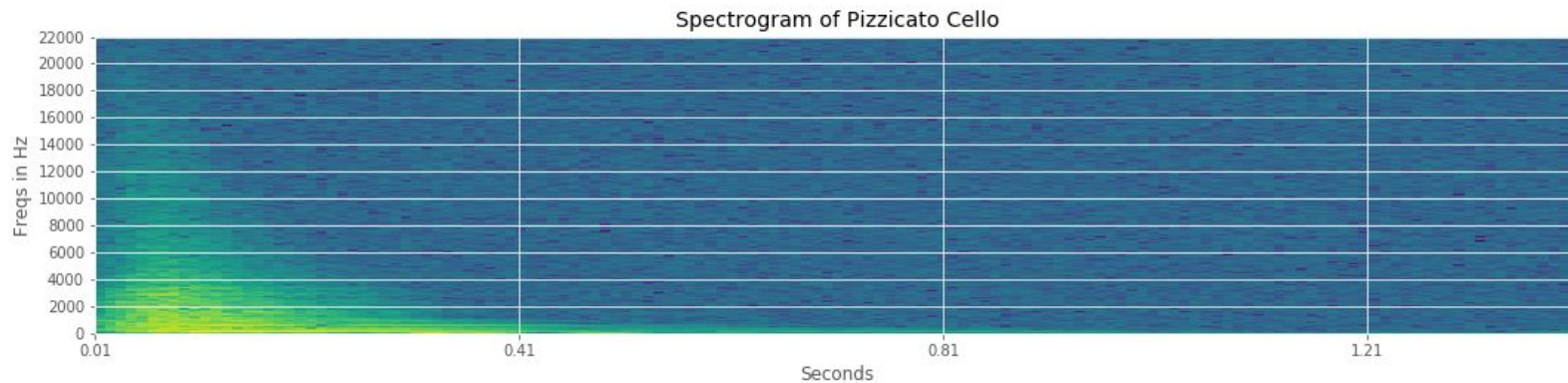
Join audio files on labels

Preform data augmentation

Clean data -

Train model

Data Augmentation



Cropping Audio

Further Reading

<https://www.kaggle.com/fizzbuzz/beginner-s-guide-to-audio-data> : audio classification

<https://towardsdatascience.com/recognizing-speech-commands-using-recurrent-neural-networks-with-attention-c2b2ba17c837> : speech recognition

<https://ai.google/research/teams/brain/magenta> : generative audio model

<https://github.com/MarkEhler>