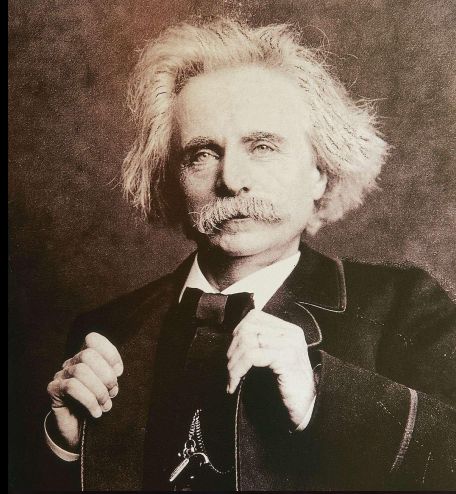
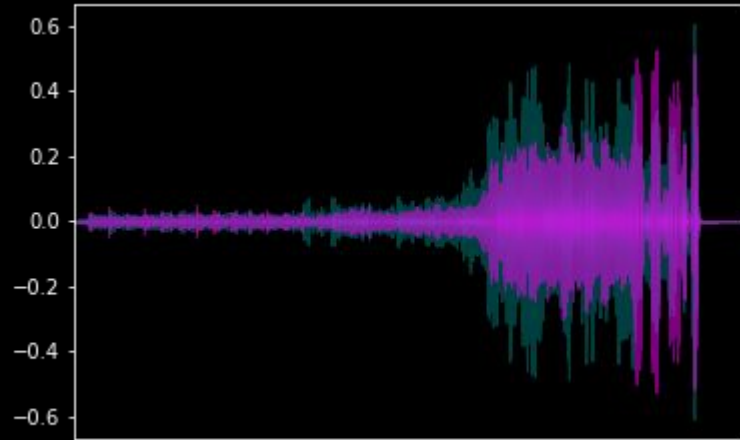


Classifying classical music by era

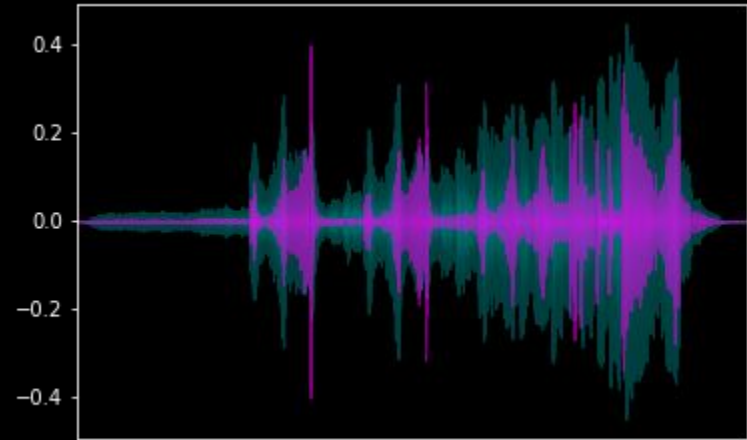
Raw Data mp3



In the Hall of the Mountain King
Edvard Grieg



Also sprach Zarathustra
Richard Strauss



song

sample

sample

sample

sample

sample

CSV

sample

song

sample

song

sample

song

sample

song

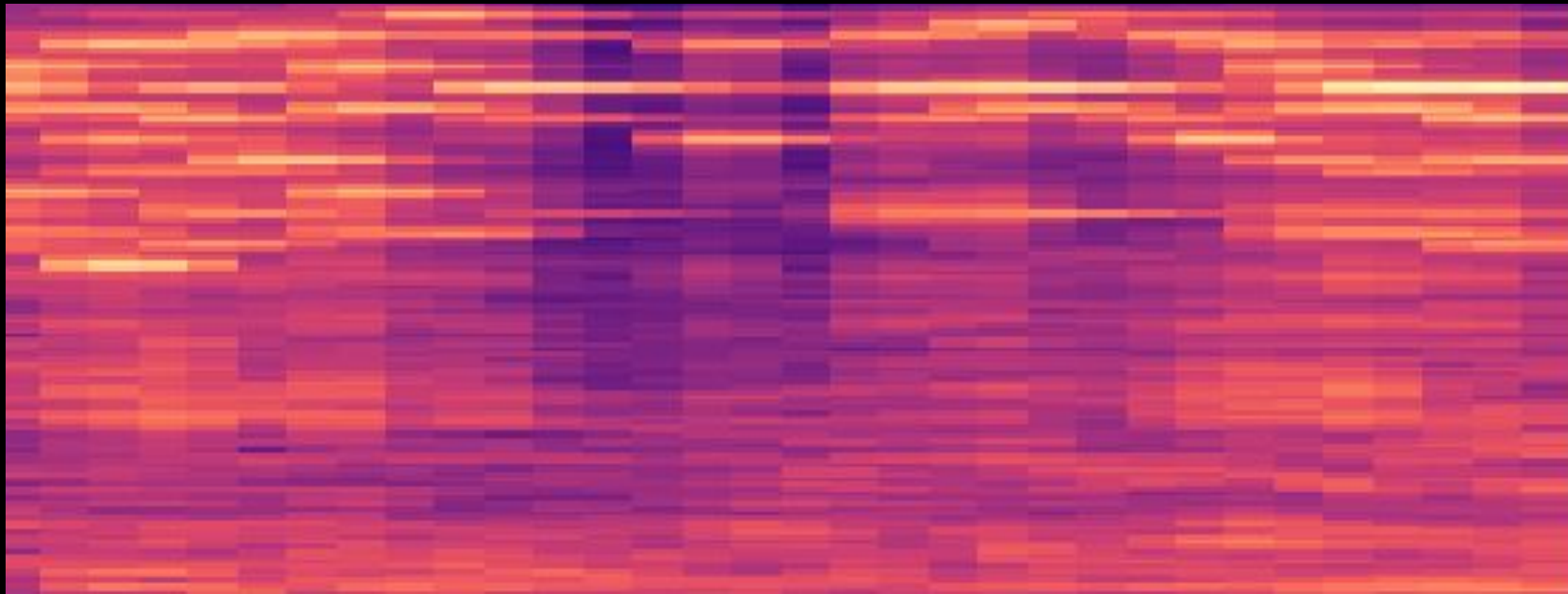
sample

song

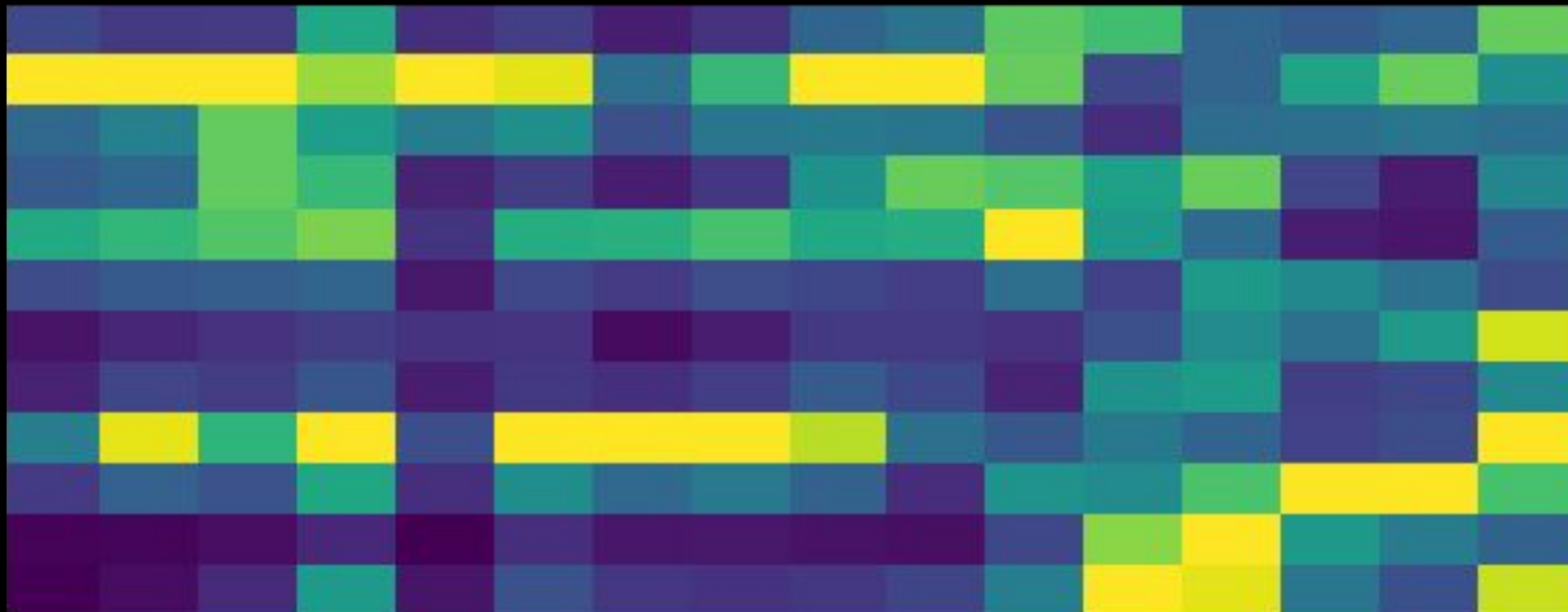
sample

song

Image One: Mel-spectrogram



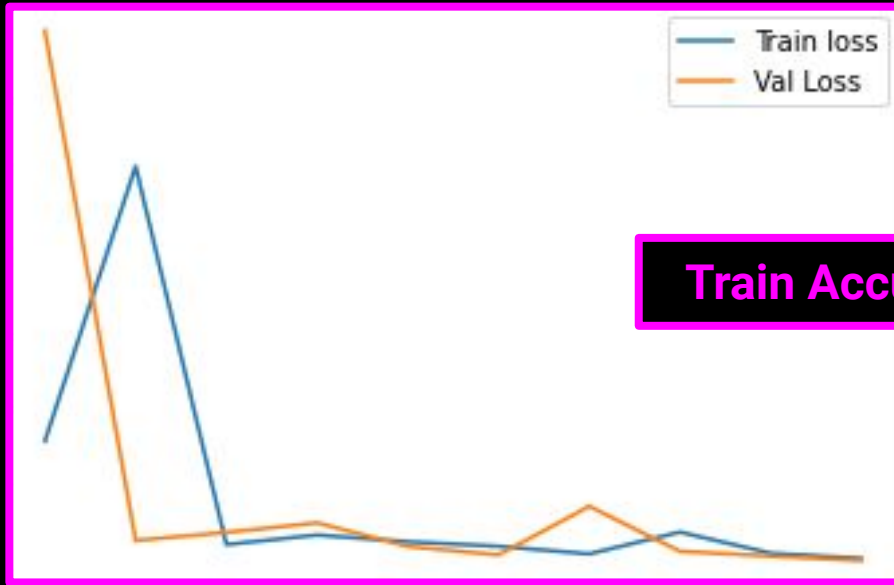
Chromagram



Convolutional 2D Neural Network

1. Sequential
2. Multi-class classifier
3. Layers
 - ↳ Convolutional 2D
 - ↳ Max Pooling
 - ↳ Convolutional 2D
 - ↳ Max Pooling
 - ↳ Flatten
 - ↳ Dense
 - ↳ Dense

Performance



Train Accuracy: 86%

Real World Applications

