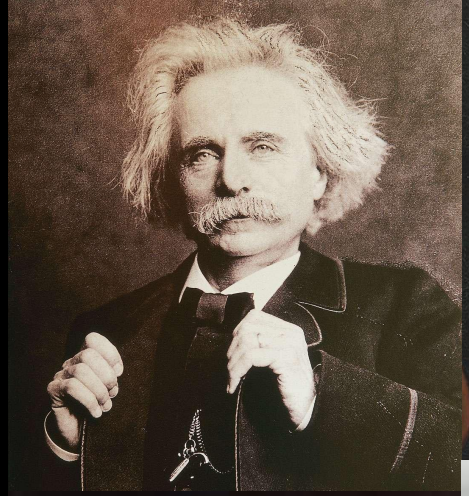
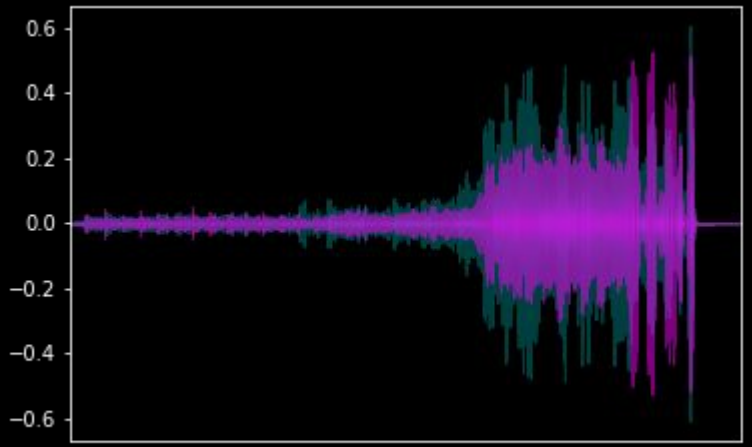
Classifying classical music by era

Raw Data mp3



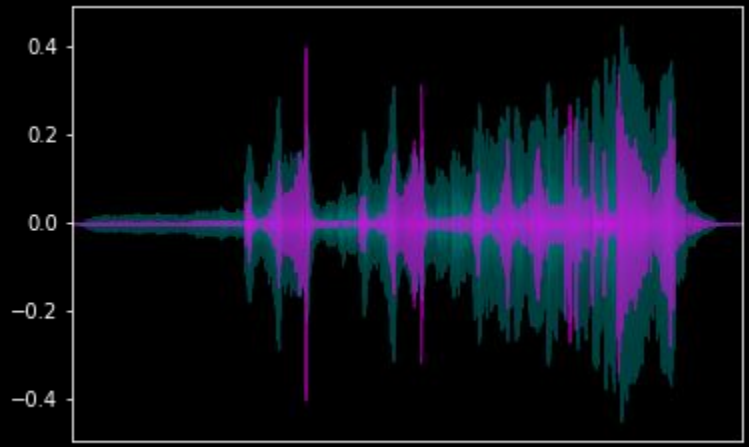
In the Hall of the Mountain King

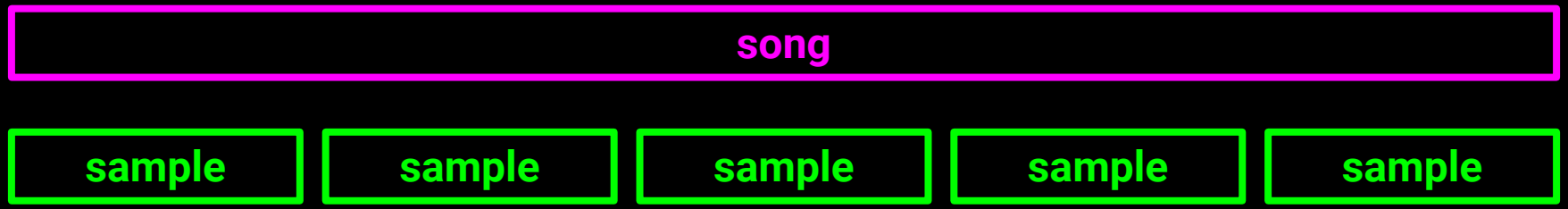
Edvard Grieg



Also sprach Zarathustra

Richard Strauss

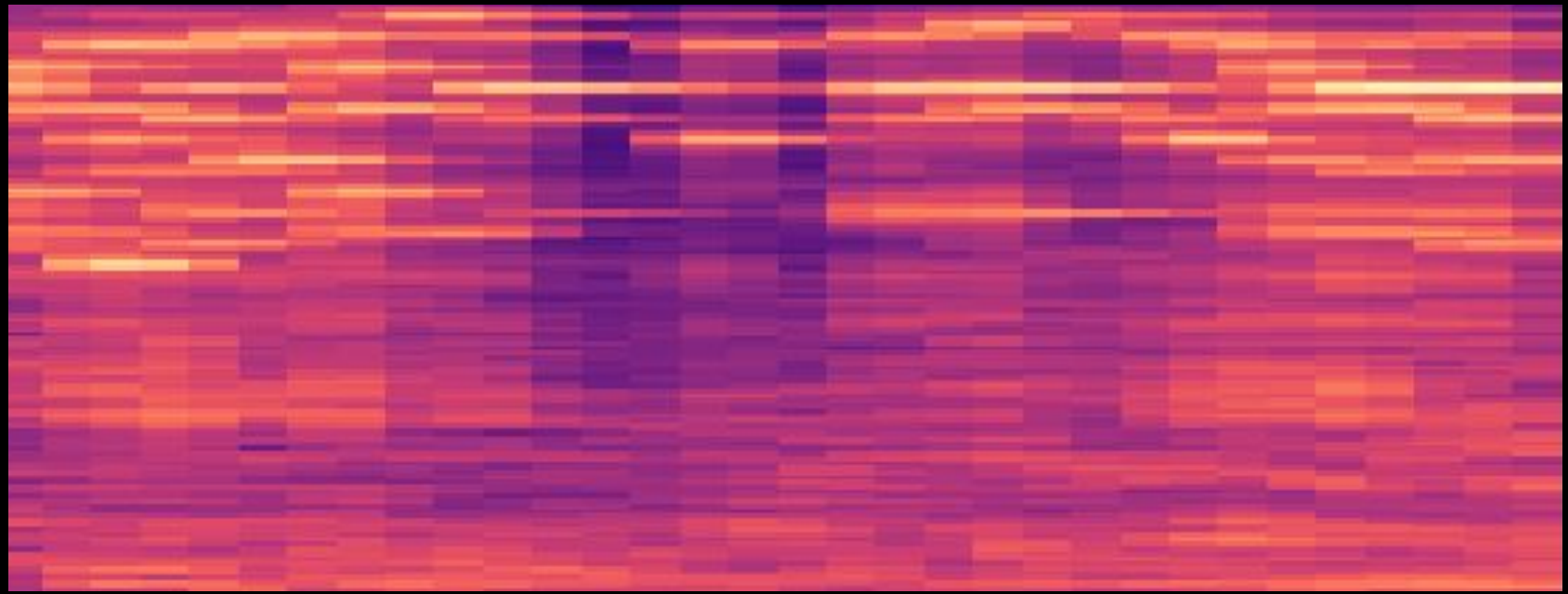



song
sample
sample
sample
sample
sample

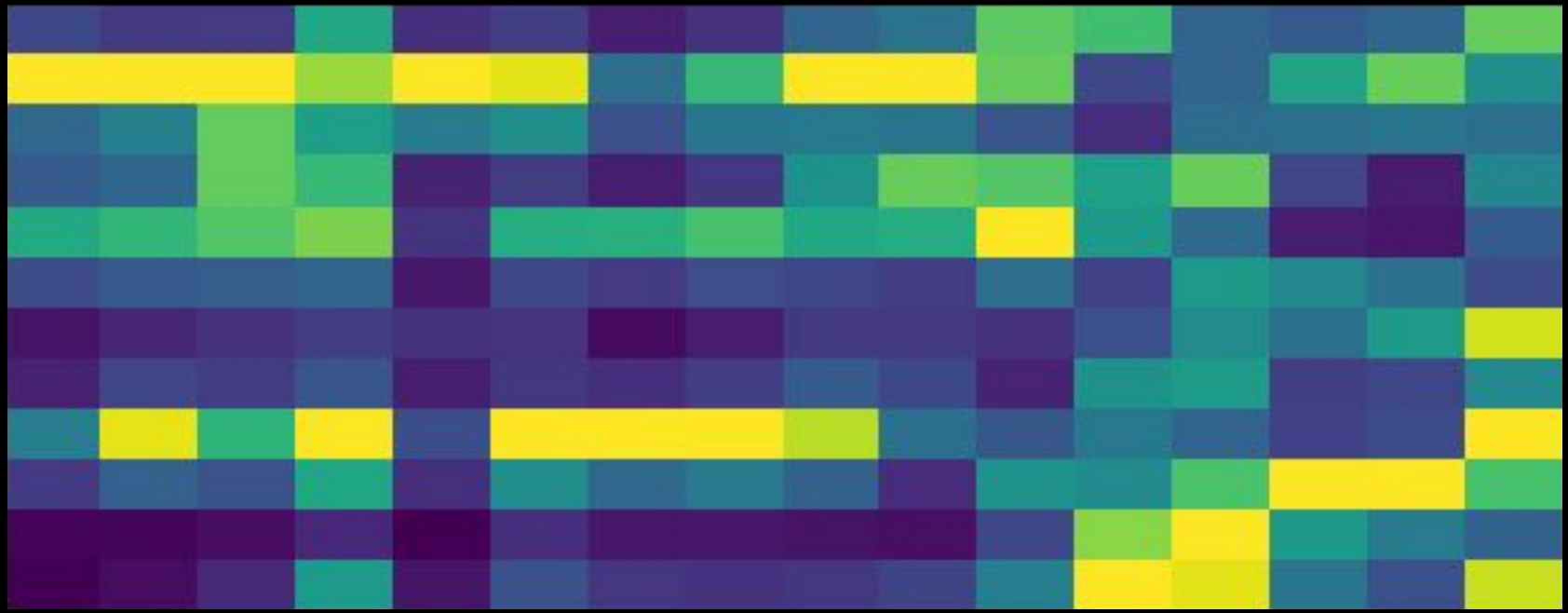
csv

sample	song
sample	song
sample	song
sample	song
sample	song
sample	song

Image One: Mel-spectrogram



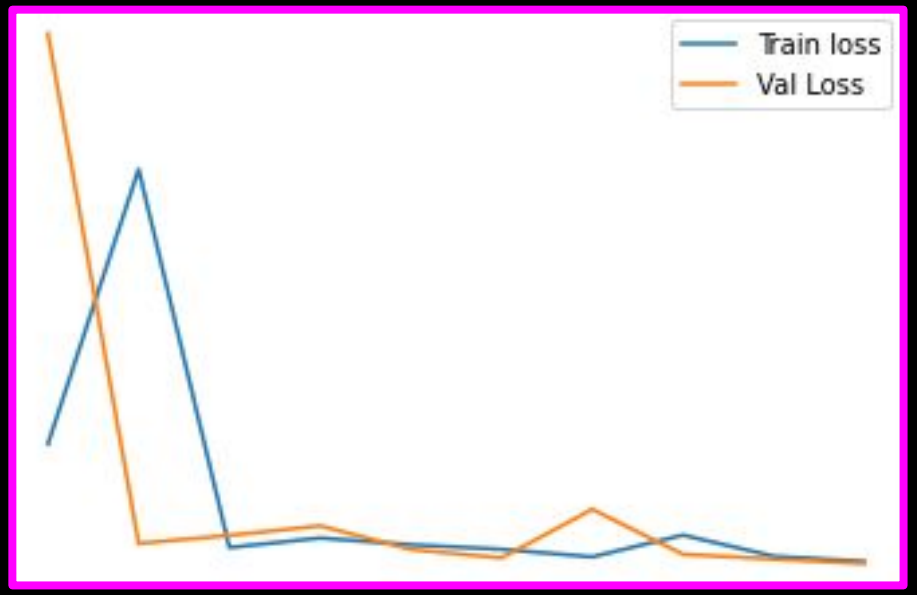
Chromagram



Convolutional 2D Neural Network

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

Performance



Real World Applications