CS345 Project Proposal

**Team Members:**

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**Dataset:**

[GTZAN Dataset - Music Genre Classification](https://www.kaggle.com/datasets/andradaolteanu/gtzan-dataset-music-genre-classification)

This dataset is made from 30 second audio clips from 10 music genres with 100 samples for each genre. There are .wav audio files, spectrograms made from the audio clips and then two different .csv files. The first file contains data on the whole 30 second clip where the second file is data on the audio where the 30 second clip has been turned into 10 three second clips.

**Machine Learning Modes:**

Convolution Neural Network

Random Forest (Baseline)