

Project Proposal

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For our group project, we are planning on extending the movie recommendation lab. Instead of the datasets provided for the lab, we will be using the ‘Spotify Million’ dataset and our model will be making predictions (recommendations) on songs to add to a certain playlist. This dataset is a list of user created playlists of songs with information on the playlist and each track added to the playlist.

We claim that we can predict a song’s inclusion on a playlist given the other songs in the playlist; this will be tested by comparing a partial playlists which yields our predicted song to the full playlists (which may or may not also have the predicted song). We plan on building our model with the use of XGBoost and we will be training our model on the mentioned playlists dataset.