Data: 2000 songs that belong to a random collection of playlists.

Methods part 1: investigate the affects of similar playlists on clustering by comparing clustering using playlist as class and comparing this to clustering using derived classes based on similar play lists. The second set of classes will be generated by merging playlists based on similarity until the wanted count is achieved.

Methods part 2: compare different clustering techniques to find the best way to predict playlists from clustering.

Methods part 3: investigate the effects of song suggestions for individual clusters vs globally. We will do this by growing our data set by using Spotify suggestion software based on specifications either from individual cluster models or from the data set statistics.

Methods part 4: example of methods on personal data

Product: MyVibe website that will take a user’s liked Spotify songs and cluster it into different “vibes” using different types of clustering. It will also provide support for seeded clustering using a start new vibe function. There will also be the ability to find new songs for a vibe via the grow my vibe feature.