Deep Dive into Spotify Song Attributes

# Abstract

# Introduction

Popular music especially as I’ve gotten older has always puzzled me. Music taste is subjective to everyone, but my music taste hasn’t been aligned with current chart music since I was a young child. The objective of this project is to identify what characteristics popular songs have and compare them to my favorite songs. This project will help me guesstimate whether I like a song, without ever hearing it, by analyzing the data of that song, and comparing it to my own favorite songs.

# Data

This project uses two different methods to obtain the two data sets used for analysis in this project. The first data set I extracted directly from Kaggle.com. The name of this data set is “Top Spotify Tracks of 2017” [1]. The only prerequisite for anyone to obtain this data set is that they have a Kaggle account. The second dataset I obtained through the Spotify API[2]. I also used the lightweight Spotify library, named Spotipy[3]. To use the Spotify API I registered my application with Spotify, which gave me a client id as well as a client secret.

# Literature Review

# Methodology

# Implementation and Architecture

# Results

# Conclusions and future work

# References

[1] “Top Spotify Tracks of 2017.” [Online]. Available: https://www.kaggle.com/nadintamer/top-tracks-of-2017. [Accessed: 24-Dec-2017].

[2] “Spotify Web API - Spotify Developer.” [Online]. Available: https://developer.spotify.com/web-api/. [Accessed: 24-Dec-2017].

[3] “Welcome to Spotipy! — spotipy 2.0 documentation.” [Online]. Available: http://spotipy.readthedocs.io/en/latest/. [Accessed: 24-Dec-2017].