**Project Title:**

Spotify Collaborative Playlist – Data Analysis Jamz

**Spotify Project Team Members**

Pauly Richmeier Stuart Yates

Charles Stephens

**Project Outline:**

The project will use data collected from a collaborative playlist dataset created by the Fall/Winter 2020-21 Data Visualization Bootcamp cohort. The aim of the project is to answer several music related questions from the dataset used. The research findings are mostly for fun, may also be extrapolated to market research or continued work on a music application.

**Proposed Research Questions to Answer:**

* What is the danceability distribution of songs in the playlist?
* What is the energy distribution of songs in the playlist?
* What is the liveness distribution of songs in the playlist?
* What is the music genre distribution of songs in the playlist?
* What is the tempo distribution of songs in the playlist?

**Datasets to Be Used:**

* Spotify-Colaborative Playlist: “Data Analysis Jamz" - *https://open.spotify.com/playlist/0fCFwL8LJE99raQb1g2YvF?si=riMLWeEsTeqfAreToKI5\_g*

**Breakdown of Tasks:**

The team will subdivide tasks as they relate to the completion of the project. Charles Stephens will setup the collaborative Playlist on Spotify and work with data using Spotify’s API. Pauly Richmeier will setup HTML document, assist with D3.js visualization processes and spearhead development of MongoDB SQL scripts. Additionally, Stuart Yates will primarily work with D3.js visualization aspects of the project.

After primary processes have been completed, the group will further subdivide tasks based on project need and expertise. However, each group member will contribute equally to answering the main research questions, project analysis composition, and presentation development.