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Spotify Music Recommender

Github: <https://github.com/Cagan124/SMU-Project-4>

Dataset: We chose a dataset containing Spotify songs with the features of each song such as (key, loudness, tempo, speechiness, danceability and more). Also, we have the title, the artists, and the album name the song is a part of.

<https://www.kaggle.com/datasets/maharshipandya/-spotify-tracks-dataset/data>

Inspiration: We all enjoy listening to music and are interested in the science behind how we as consumers are recommended songs to listen to.

Inspiration Project: <https://www.kaggle.com/code/vatsalmavani/music-recommendation-system-using-spotify-dataset>

Tableau Inspiration:

https://public.tableau.com/app/profile/dhiraj8579/viz/SpotifyAnalysis_15935325980560/SpotifyAnalysis

<https://public.tableau.com/app/profile/rachel.li/viz/WhatMakesTopSpotifySongsPopular/Main>

<https://public.tableau.com/app/profile/daheele/viz/SpotifyStreamingTrends/SpotifyStreamingTrends>

Roles and Responsibilities:

Tableau: Cagan and Jason

ML (including teaching class about model): Raheem and Josh

ML Prediction: We plan to predict what song the end user would like to hear based upon previous song selections using a KNN model.

Tableau Vizzes: Top Song Charts by Streams, Best Songs to Dance to, Most Energy, Most popular songs in each year, Top Artist by Songs and Streams

- Bar charts
- Sunburst (if possible)
- More to come