Project 2 Proposal

For the **_last project_** I used Spotify dataset from Kaggle.
(https://www.kaggle.com/bartomiejczyewski/spotify-top-200-weekly-global-20172021)

The columns in that dataset were: Track name, Artist_name, Song_name, Week, Streams, Artist_followers, Artist_Genre.

For Project 2: I would like to add more columns to the dataset using the [Spotify API](#).

Columns in Dataset (For Project 2)

name: Song name

album: Name of the album

artist: Artist name

release_date: Date when album released

length: Duration of song

popularity: Song Popularity (0–100) where higher is better

danceability: Danceability describes how suitable a track is for dancing based on a combination of musical elements. A value of 0.0 is least danceable and 1.0 is most danceable.

acousticness: A confidence measure from 0.0 to 1.0 of whether the track is acoustic. 1.0 represents high confidence the track is acoustic.

energy: Energy is a measure from 0.0 to 1.0 and represents a perceptual measure of intensity and activity.

instrumentalness: Predicts whether a track contains no vocals.

liveness: Detects the presence of an audience in the recording. Higher liveness values represent an increased probability that the track was performed live. A value above 0.8 provides strong likelihood that the track is live.

loudness: The overall loudness of a track in decibels (dB).

speechiness: Speechiness detects the presence of spoken words in a track.

tempo: The overall estimated tempo of a track in beats per minute (BPM).

valence: A measure from 0.0 to 1.0 describing the musical positiveness conveyed by a track. Tracks with high valence sound more positive.

time_signature: The time signature (meter) is a notational convention to specify how many beats are in each bar (or measure).

Questions:

1. What Features of songs affect the popularity of songs.
2. What are the similarities between popular songs?
3. Correlation between different audio features.
4. Does the Artist popularity affect a how a song's popularity?
5. How different audio characteristics have changed over time?