Assignment 1

Dataset Source

- https://www.kaggle.com/yamaerenay/spotify-dataset-19212020-160k-tracks

 dataset description, libraries yo have used.

Description

- The dataset contains more than **175.000** songs collected from Spotify Web API, and also you can find data grouped by artist, year, or genre in the data section.

Attributes

- **acousticness** (Ranges from 0 to 1)

  - The positiveness of the track
- **danceability** (Ranges from 0 to 1)

  - The relative metric of the track being acoustic
- **energy** (Ranges from 0 to 1)

  - The relative measurement of the track being danceable
- duration_ms (Integer typically ranging from 200k to 300k)

- instrumentalness (Ranges from 0 to 1)

- valence (Ranges from 0 to 1)

  - Not specified
- **popularity** (Ranges from 0 to 100)

- tempo (Float typically ranging from 50 to 150)

  - Beats Per Minute Count
- liveness (Ranges from 0 to 1)

  - The relative ratio of the track being instrumental
- loudness (Float typically ranging from -60 to 0)

  - Average dB value
- speechiness (Ranges from 0 to 1)

  - The relative ratio of the track being instrumental
- **year** (Ranges from 1921 to 2020)

- mode (0 = Minor, 1 = Major)

- **explicit** (0 = No explicit content, 1 = Explicit content)

  - The binary value whether the track contains explicit content or not

Libraries

- pandas
- matplotlib
- seaborn