Data Analyst Portfolio Project "Spotify Overview"

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1- Business Request

As a data analyst who loves to listen to music by using Spotify App, I wanted to show an overview of Spotify's Data as a Dashboard.

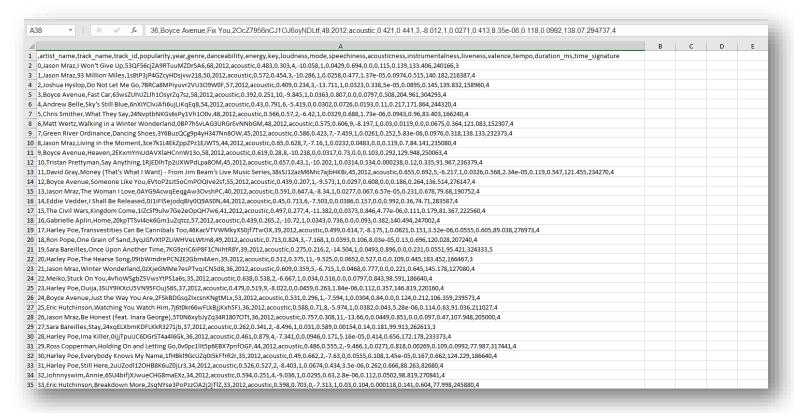
I used the Spotify_1Millon_Tracks dataset which was extracted from the Spotify platform using the Python library "Spotify", which allows users to access music data provide via APIs.

I took this dataset from https://www.kaggle.com/ which provides a lot of datasets to analyze.

This dataset consists of about 1 million tracks from 2000 to 2023 and sort of details which are artist, song name, duration, popularity, released year, etc.

2- Data Cleaning and Transformation with Excel

The initial state of the dataset Excel is shown below.

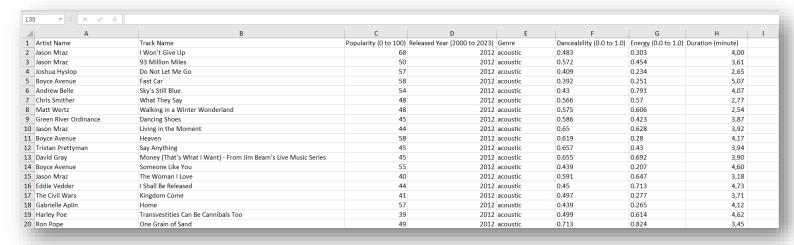


Firstly, I separated this one-column dataset into columns by using Excel features.

Secondly, I analyze all columns if they have any rows with errors or unusual things. I fixed the rows

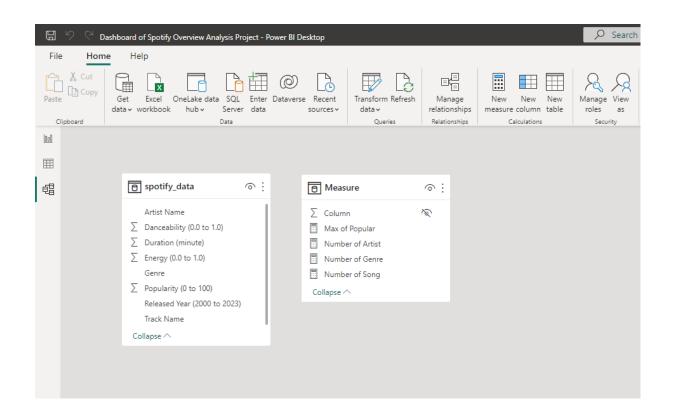
Finally, I deleted some columns which not make any sense and were not useful for my analysis.

The final version of this dataset is shown below.



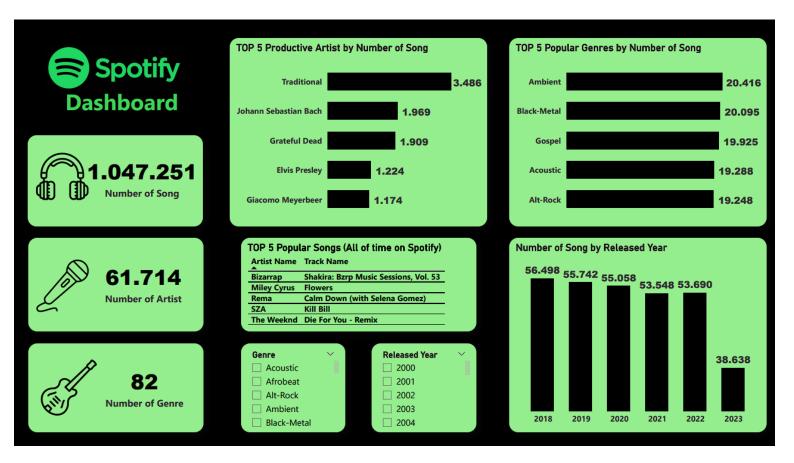
3- Data Model

I created a data model after cleaning and preparing this Excel dataset which was imported into Power BI shown below.



4- Spotify Overview Analysis Dashboard

In light of the data analyses given above, I created one paged Spotify Overview Dashboard.



You can also click this sentence to open this dashboard online and use it dynamically.