

# Spotify Recommender

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# Table of Contents

1. Problem Statement
2. Data Collection
3. Data Cleaning
4. EDA
5. Modeling
6. Conclusion/Recommendations
7. Streamlit
8. Sources
9. Index



# Problem Statement

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# Data Collection

- Spotify Developer Site
- Track Documentation



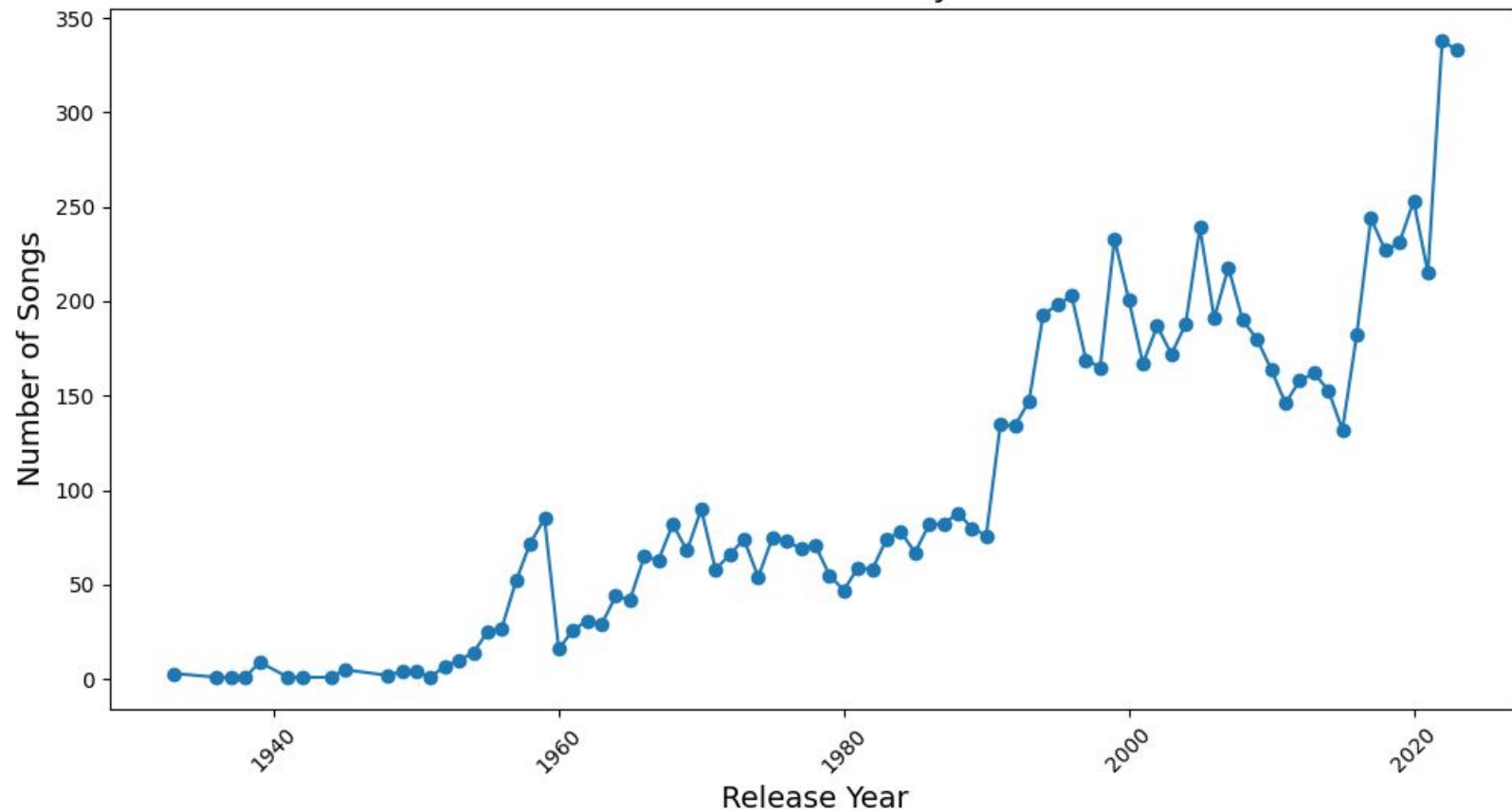
# Data Cleaning

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# Exploratory Data Analysis

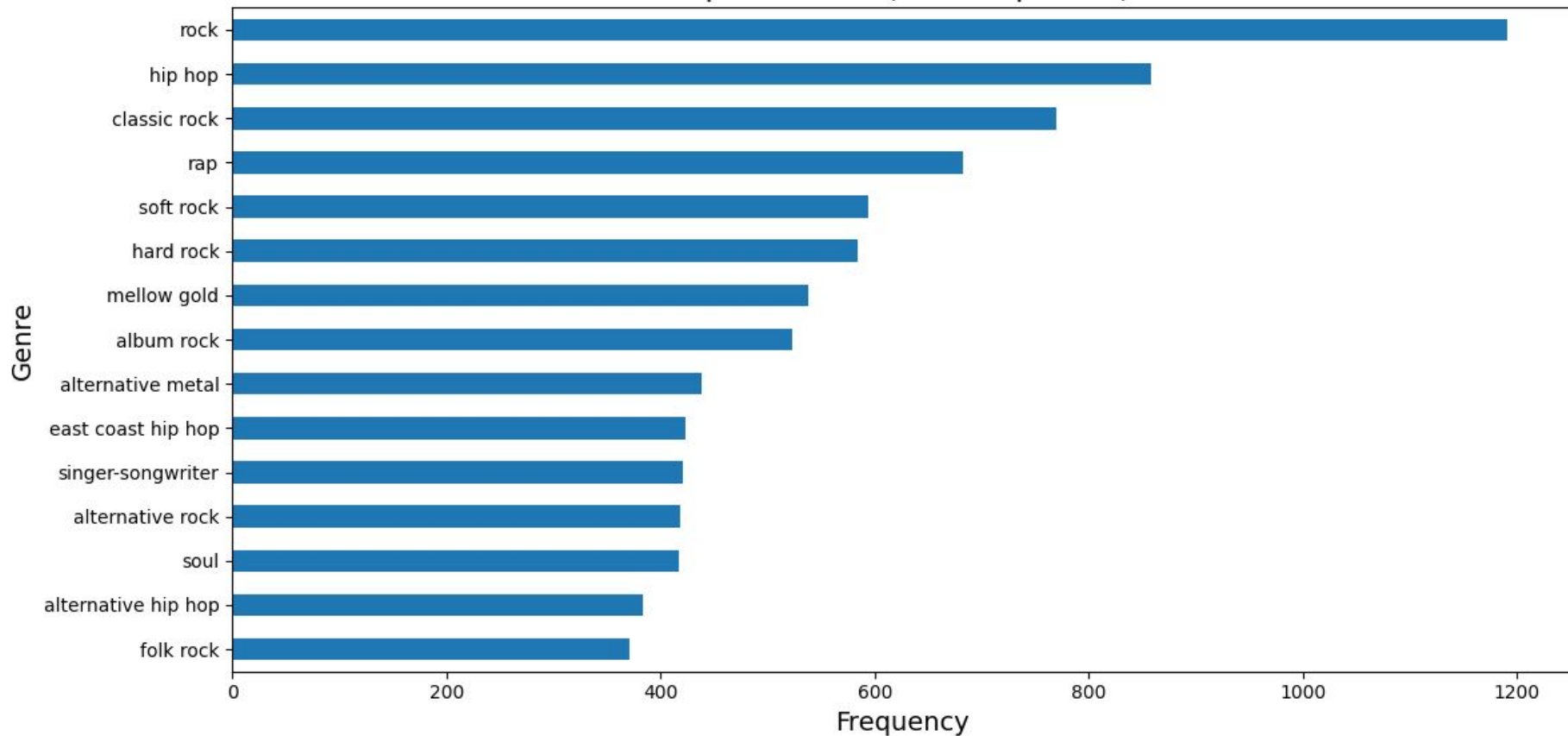


Release Year Analysis

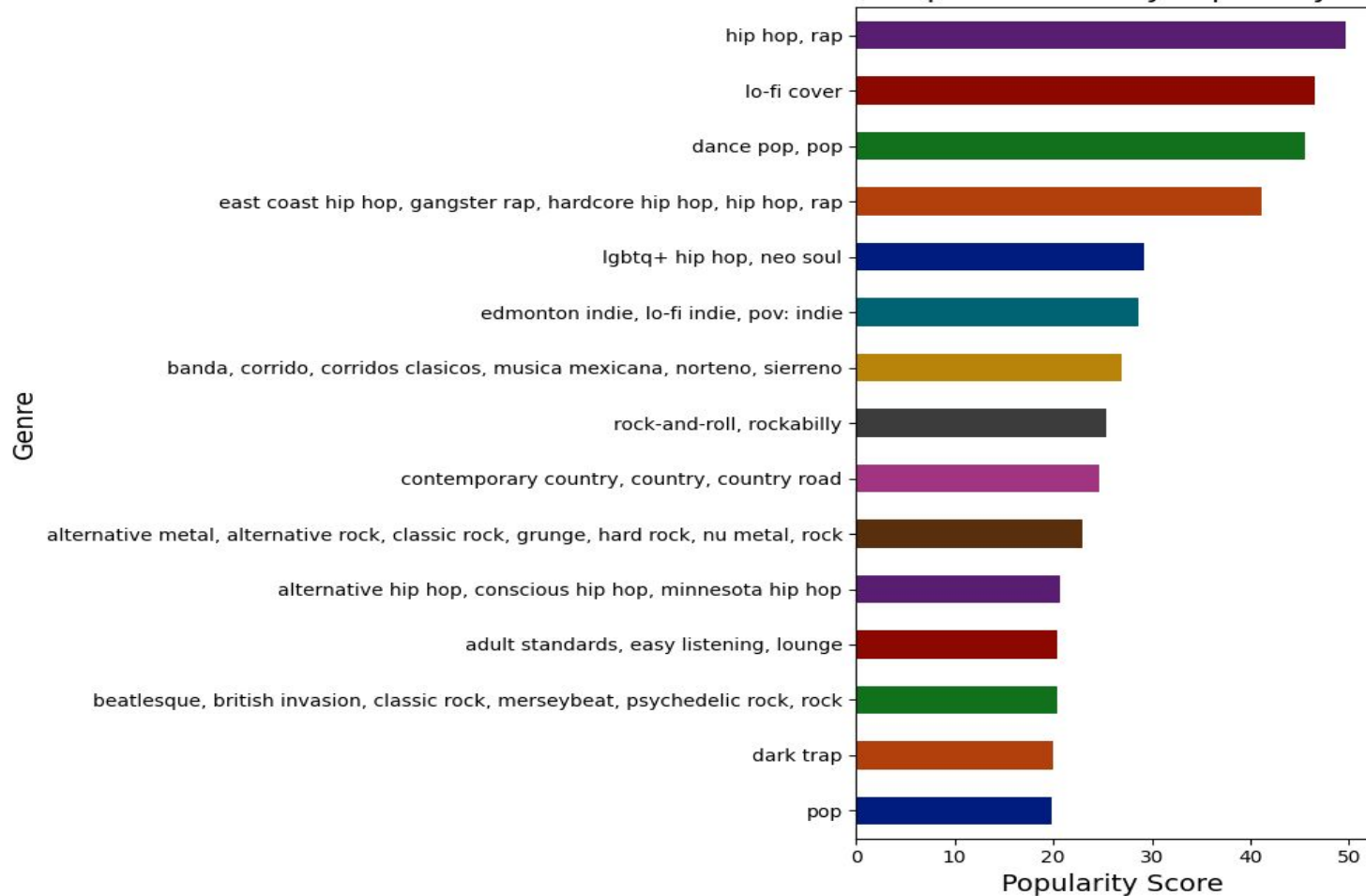




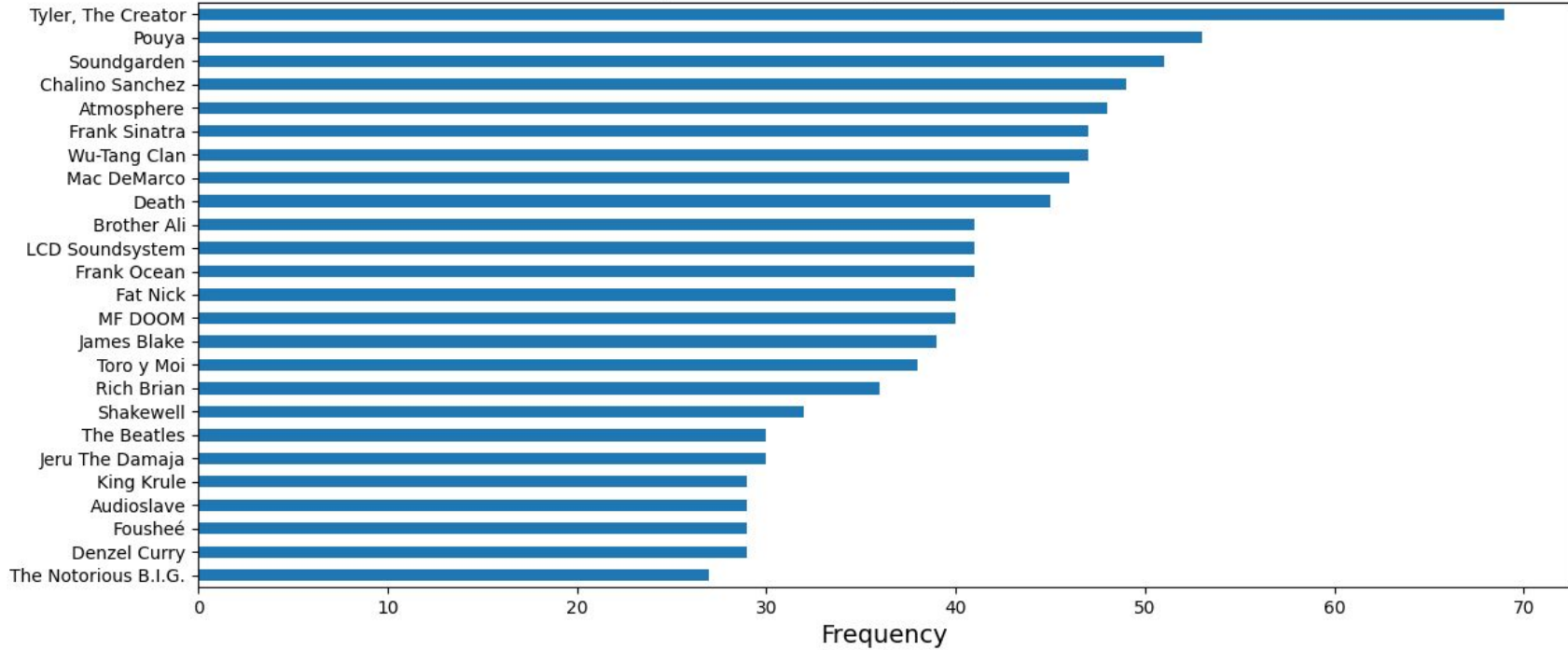
Top 15 Genres(Most Repeated)



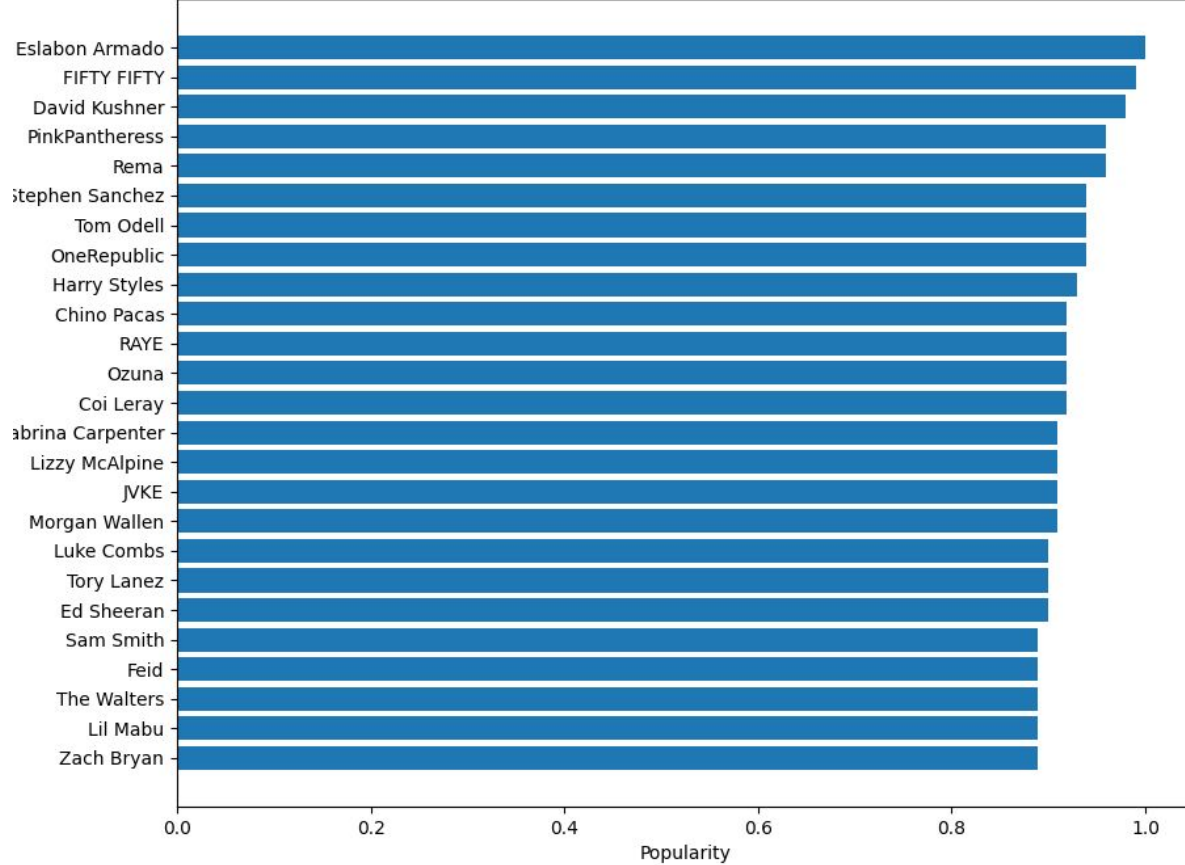
# Top 15 Genres by Popularity



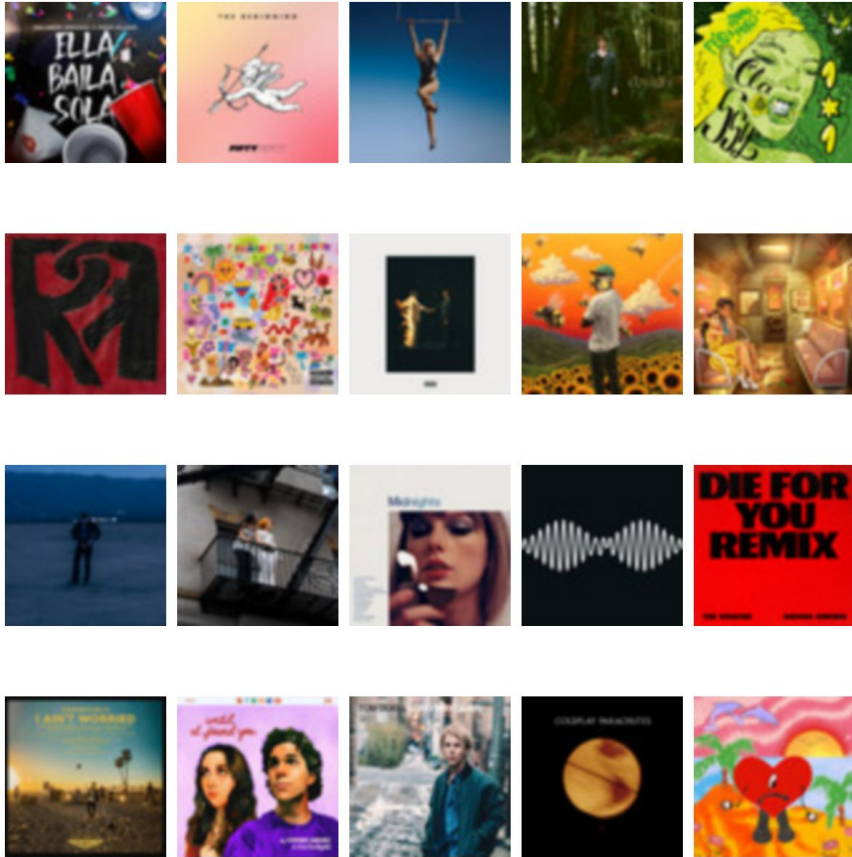
Top 25 Artist Frequency Distribution



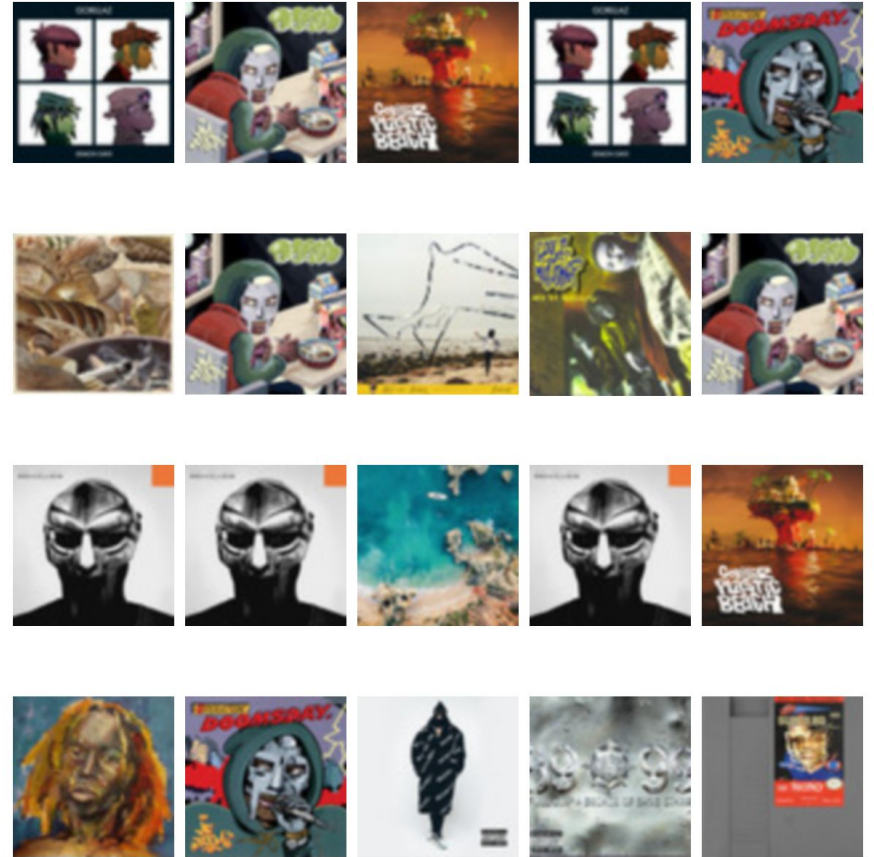
Top 25 Artists by Popularity



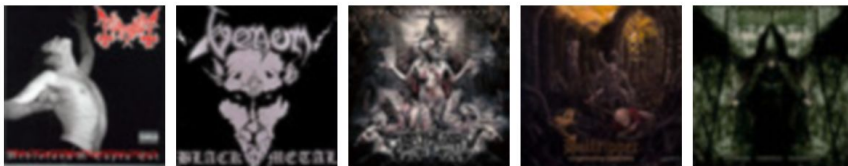
Top 20 Albums by Popularity



Top 20 Alternative Hip Hop Albums



Top 20 Black Metal Albums



Top 20 Classic Rock Albums



# Model

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# Model

- Recommendations based on selected features.
- Obtain Song Title, Artist, Album Title, and Release Year.
- Spotify Genres



# Conclusion/Recommendations

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# Conclusion/Recommendations

- Recommendations are similar and we are able to search using either the artist or the song.
- Songs match the genre similarity.
- Recommend a different data documentation using genre and sub-genres.

# Streamlit

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# Sources

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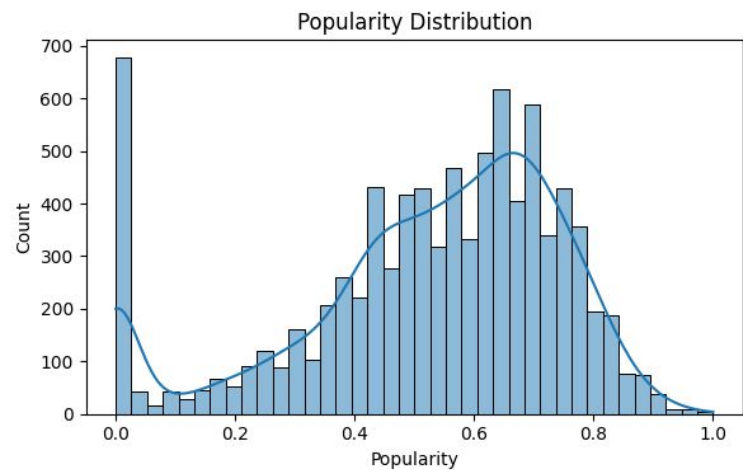
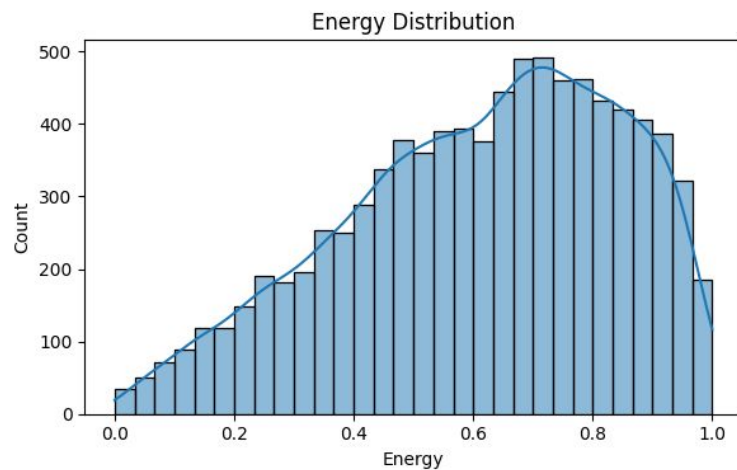
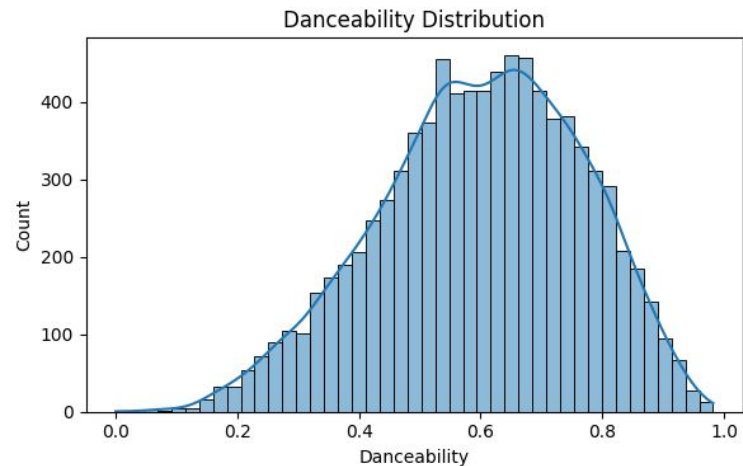
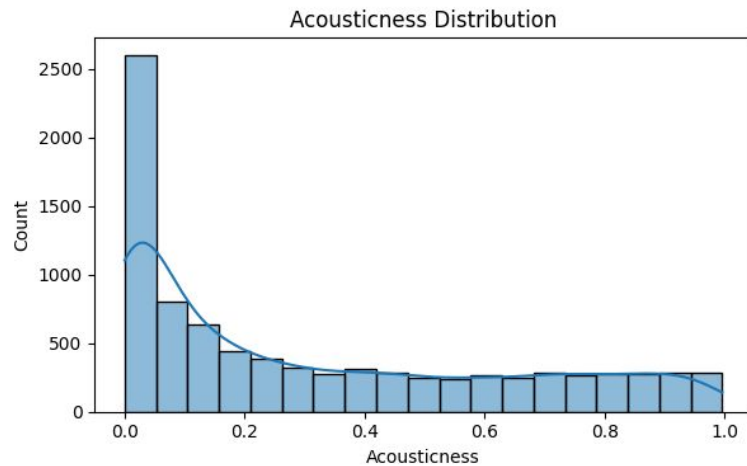
# Sources

- [Link to pickle file and streamlit app code.](#)
- [Spotify API](#)
- [Wordcloud](#) and [StackOverflow Thread](#)
- [IMShow Tutorial](#)
- [Recommender](#) used for ideas and approach
- [Aid for some functions](#)
- Other sources are listed in notebooks

# Index

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## Feature Distribution



Feature distribution of all six numeric factors in the dataset. In comparison to the previous which only used 4.

Feature Distribution

