Analysing the Spotify Artist Recommendation System

FA20: SQL AND NOSQL: 11973
Project Proposal

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The Three Major Tasks

Three questions to answer -

- Future music recommendations based on the current song.
  - Will look into the various features which play a part in making the recommendation.
- Recommendations based on the artist and popularity.
- Does the most popular music always get the music award?

More questions may come up once the dataset has been explored thoroughly.

The Dataset and Database Being Used

About the Dataset -

- More than 160,000 songs
- Extracted using the Spotify web API.
- Data is in JSON format.

About the Database -

- MongoDB to store and retrieve data
- May use other NoSQL databases such as Amazon's DynamoDB to improve my knowledge.

Technologies Used

- Database - MongoDB

- Language - Python

- To access MongoDB via Python - PyMongo

- Framework - Django