Michael Branconier

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https://github.com/mikebranc/sql-project

Why did you select the job?

I selected this job because I am very passionate about music and I am an avid Spotify user. I'd love to take an analytical look at the data the company generates. When I listen to an artist, I often find myself going through their Spotify account to look at basic metrics like the amount of plays a song gets and the artist's ranking internationally. As I pursued a degree in applied information systems at LMU, I came across the Spotify API and was extremely fascinated. I think working with artists to maximize their digital presence would be extremely rewarding. I would get to take my passion for music and combine it with my love for data science.

The problem you plan to solve

Part 1: In this hypothetical situation a big music festival needs to find artists for their next concert so they reach out to spotify. The festival has four stages, one for dance music, one for rap music, one for acoustic music, and one for comedians. This festival has a list of 25 artists and 5 comedians that it is looking at and needs to determine the best prospect for each stage.

Part 2: After the top four artists were selected, the managers of these artists and comedians wanted to know which songs to play for their set list so they too reached out to spotify. Each set is limited to one hour. Each of these artists has their own special request on what music they would like played. For example some artists want an entire album played, while others just want to blast their greatest hits. We will need to take the artists requests into consideration. Additionally, we must determine the popularity of each song so we can structure the set list accordingly.

How you plan to solve the problem

I will solve this problem using the Spotify API. I will take a look at different metrics such as the popularity of a song in addition to the audio features for a track which include things like danceability. Following this, I will use various features such as song length and song popularity so I can create an optimal set list.