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Data Visualization

April 12, 2021

Alpha Report

1. An overview of your project:

Ear to the ground is a project around something that is nostalgic to all of us, music. Using the Spotify API and other data sources I will compile multiple data visualizations where the user can easily discover new and exciting music from all over the world given current trends. By having a world map the user will be able to hover over countries where Spotify is available and get a bar chart of the top 10 streamed songs in that country. Some other features will include artist discoverability. By searching an artist's name, you will be able to discover related artists. Lastly, you will be able to get statistics based on a music genre of your choosing.

2. Features from your proposal that have been completed:

I have been able to complete three parts of my proposal.

1. A world map
2. A Bar chart of the top 10 most streamed songs worldwide
3. A Bar chart of the top 10 most streamed songs in the US

3. Upcoming immediate milestones:

1. Add interactivity to the world map. When you hover over a country where Spotify is available you will get a popup of a bar chart of the top 10 most streamed songs of that particular country.
2. Add artist search using the Spotify API.
4. Roadblocks (if any) that you are running into:

The Spotify API can be a little bit hard to work with since it does not have some of the data needed for this project easily available. However, there are plenty of places in the internet where you can get some of this data in an easy to work with format where that will not be an issue.