Report WASABI Project Data Visualization

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WASABI Introduction

- The WASABI Song Corpus is a data set which contains songs, artists, and albums enriched with metadata on those different items.
- The project goal of my part of the project is to observe the relationship between "Genre" & "No of artists" and visualize in on map. For example one can see certain type of music is widespread in the Western countries than that of non western countries.
- In addition, one would like to visualise labels if a specific artist with specific genre has a band or single .

Visual Tasks & goals

- A world map where each country is coloured as a heatmap based on the ratio of bands playing a specific genre in certain countries of the world.
- Hovering over a country would open a tooltip box that would provide more information (e.g. absolute number of bands, total population of the country, etc.)
- A drop down is provided to filter out the "Genre" on the basis of artist type
- User can specify the size of map as per his/her convenience

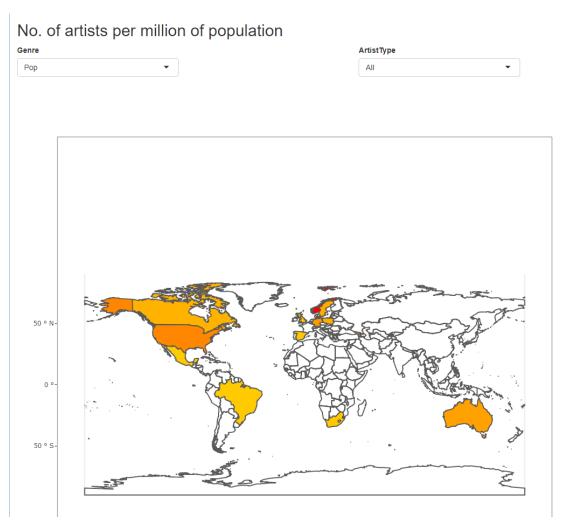
Attributes from WASABI

- Needed fields from the [Album] table:
 - id_artist
 - genre,
 - dateRelease
- Needed fields from the [Artist] table:
 - id artist
 - country
- Needed fields from the [Country] table:
- id_artist country

Project Informal Description

- Read and pre process the data. Fill missing values with NA.
- Load country data into map using geom function
- Define columns with the name of genre's that is dummy coded. 1 if the album of that genre is produced by this artist and 0 otherwise.
- Next we group data by countries and count the number of artists in each country (by the genre).

Snap shot of the app



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