

Report WASABI Project Data Visualization

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21th January. 2022

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 it on a 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

No. of artists per million of population

Genre

Pop

ArtistType

All

Height of Map

1000

Width of Map

1000

