Ephemeral Music Comprehension

Data Visualization Project

People Invoved

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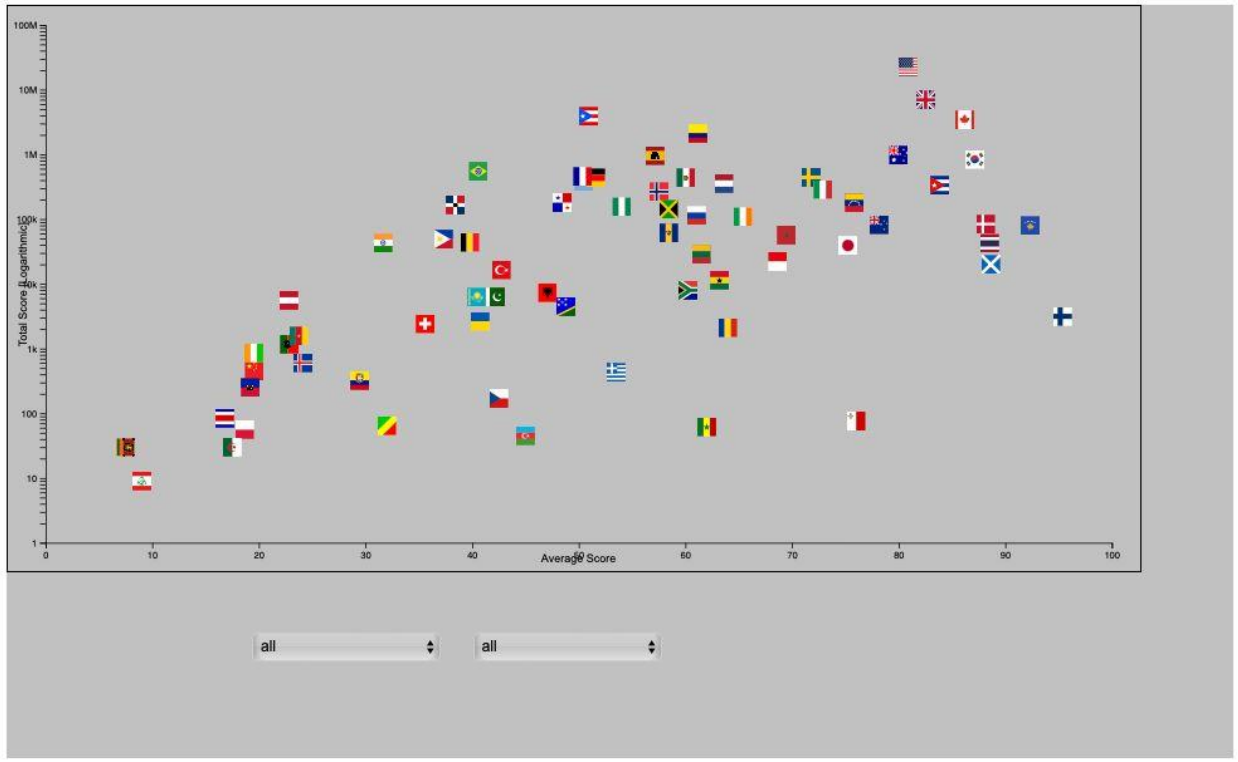
Visualizations Used

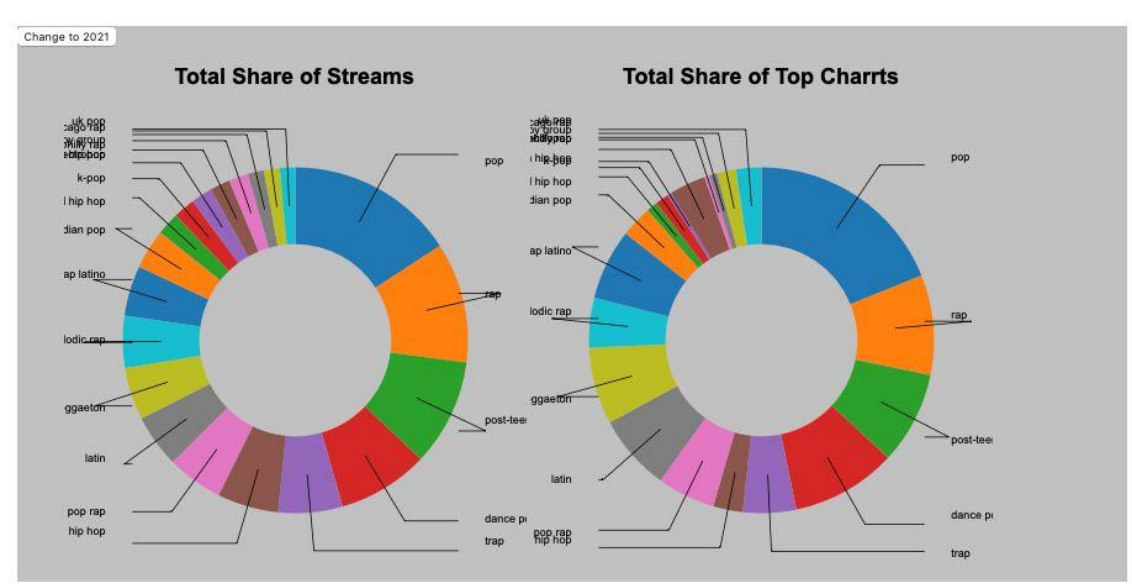
We have tried to capture various aspects of our data using these visualizations.

Scatter Plot for different Countries



Why are we using it

A scatter plot was used to allow the user to accurately visualise the trend in popularity and also view outliers that do not follow the trend

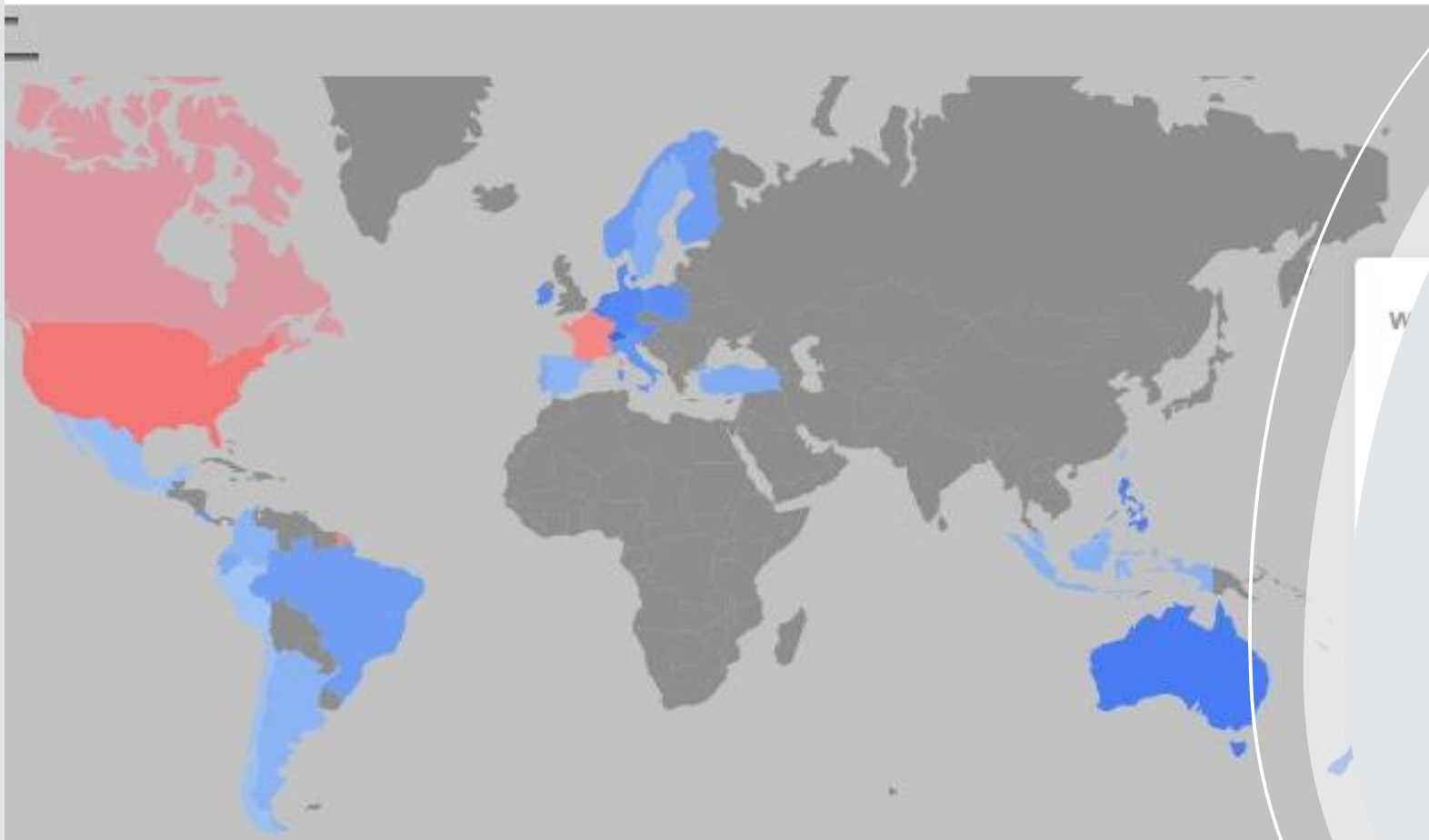


Donut chart for genres

Why are we using it

Donut chart was used so that the user can see the exact share of the market that each genre has at one glance .¥

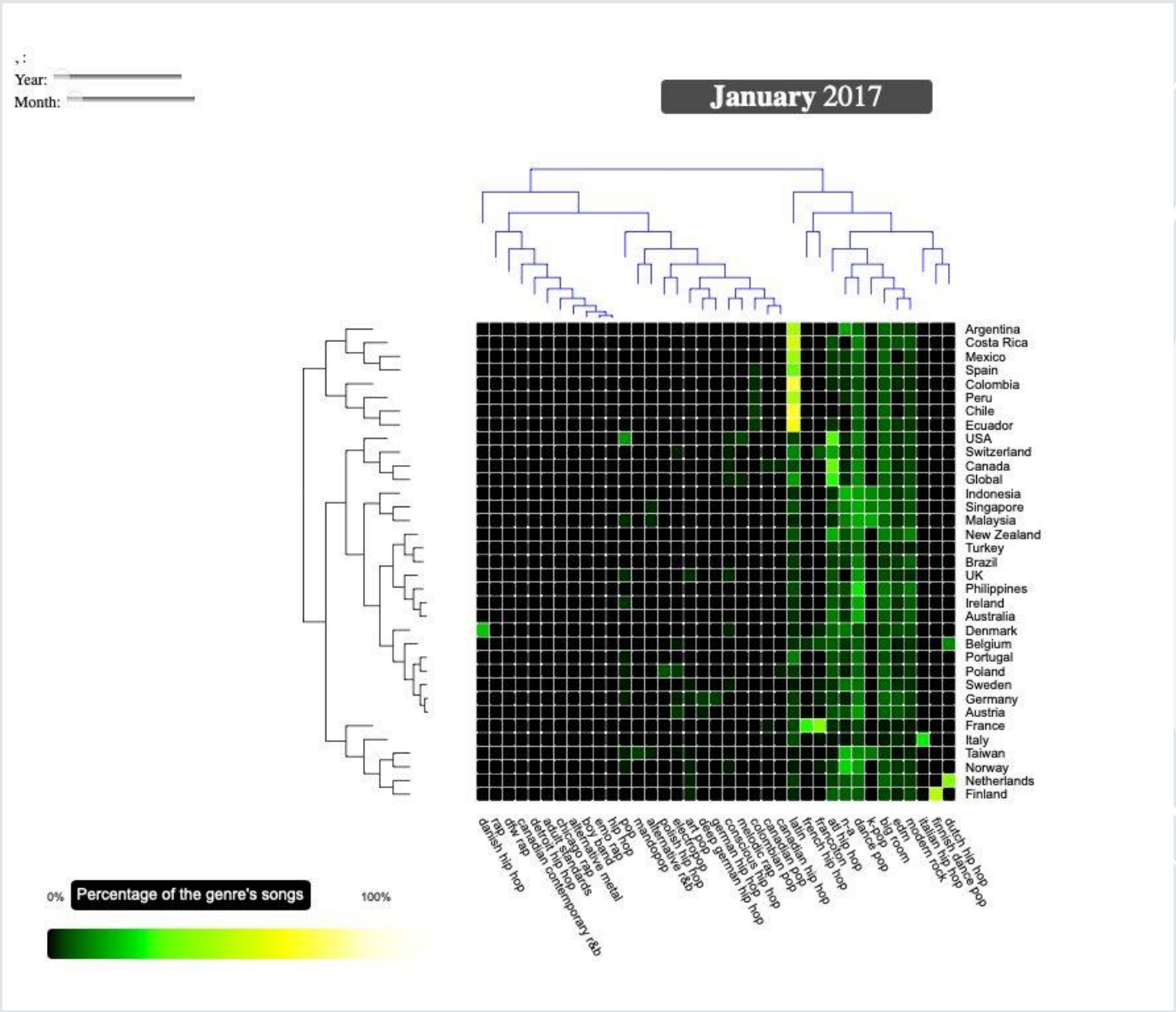
On hover the user can get exact details but the main aim of the visualisation is completed in one glance with the help off a donut chart



Choropleth for explicitness in songs

Why are we using it

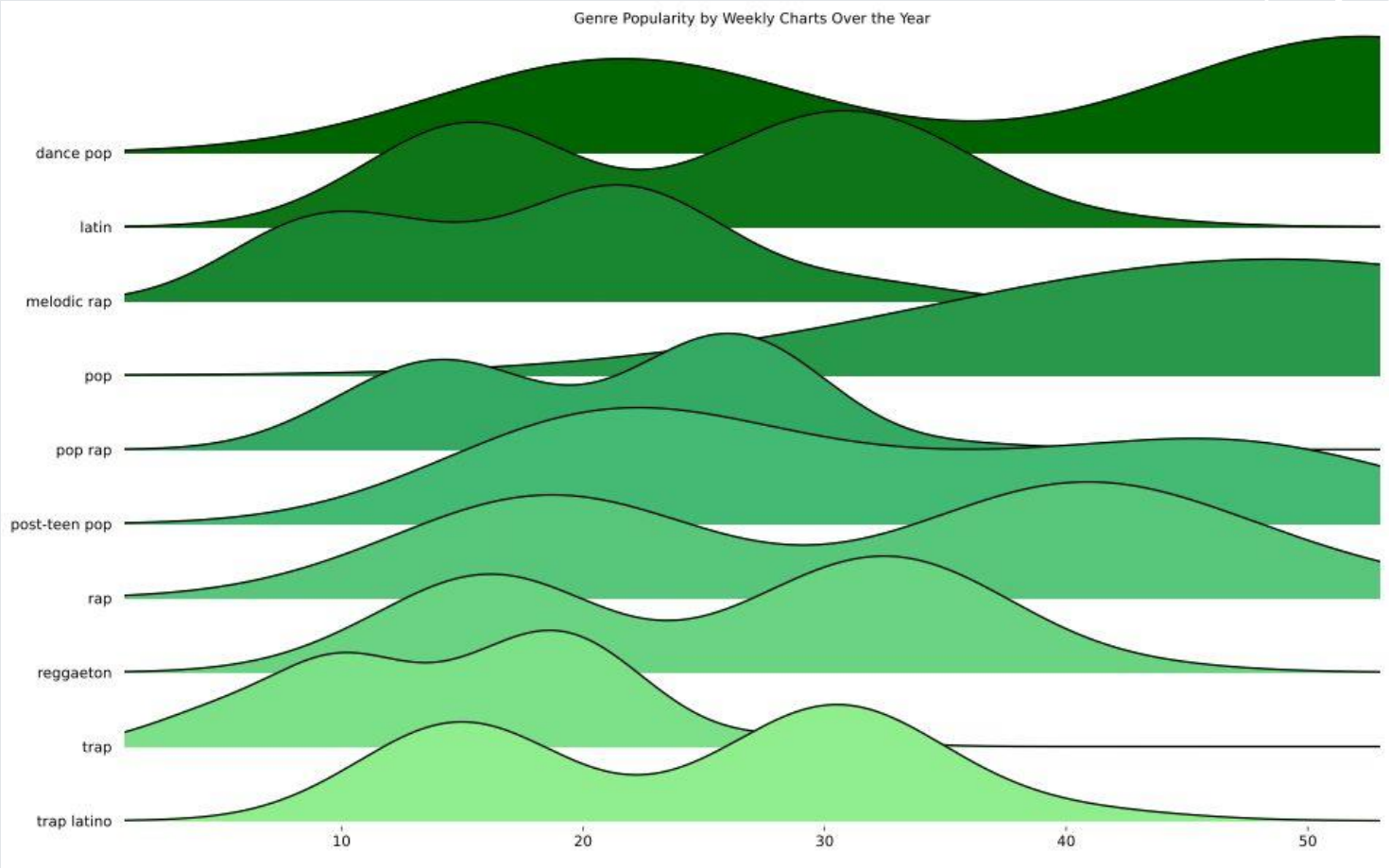
This graph displays the entire world map with the countries that the database has data for being shown in various colors ranging from a light blue for low explicit content to deep red for high explicit content



Clustered HeatMap

Why are we using it

The cluster heatmap is used to capture the ever changing popular trends in different countries over a period of time. The clustering of data and showing of clusters through links can help us easily identify the relations and trends present in the data. We can identify at a glance which genres are the most popular in the period selected for each country

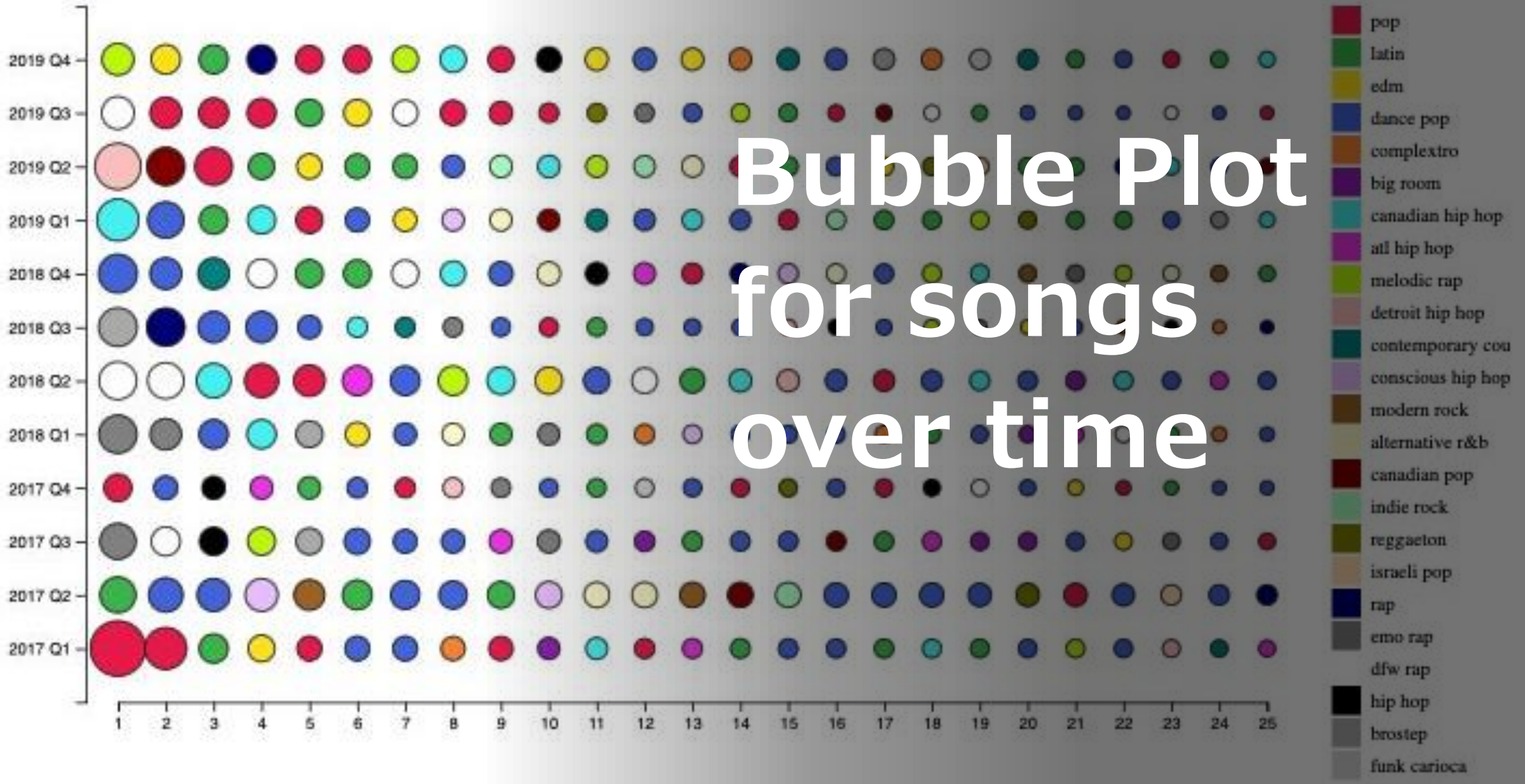


Ridgeline Plot for weekly genre trends

Why are we using it

A ridgeline plot was used as a comparison between multiple genres had to be made at one place and this allowed use to show the difference in time and scale of the weekly charts of each genre

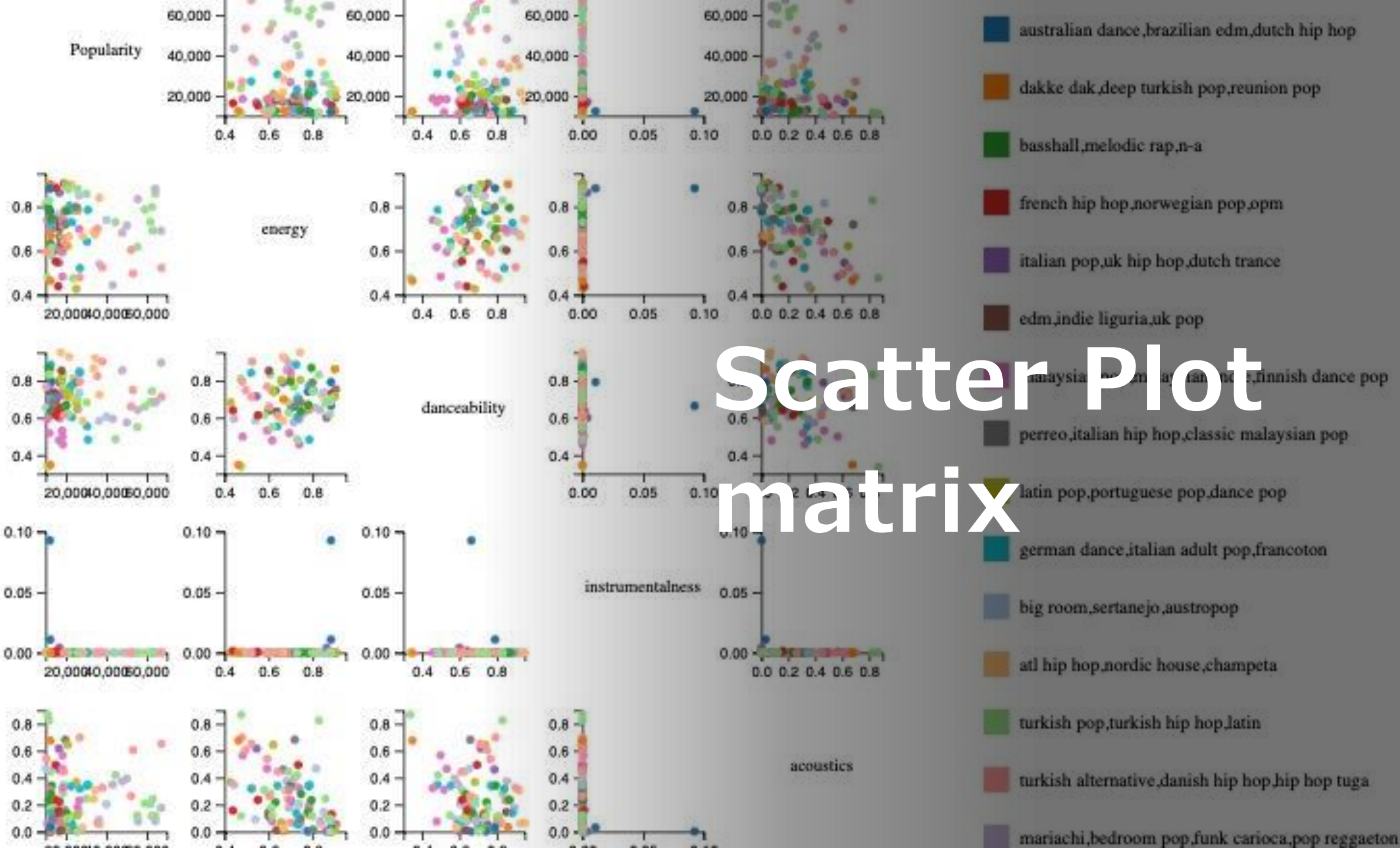
Bubble Plot for Different songs across time



Bubble Plot for songs over time

Why are we using it

The bubble plot here tries to capture the changes in music tastes over time. The more popular a song is , the bigger its area and with y axis being a time scale, it captures the ephemeral evolution of music



Scatter Plot matrix

Why are we using it

By visualising the data of energy, danceability, acousticness etc through a scatterplot matrix, we can easily see the correlation between these values, and even see their effect on the popularity of songs, and if they are positively or negatively correlated.
We saw a somewhat positive correlation in energy and daceability