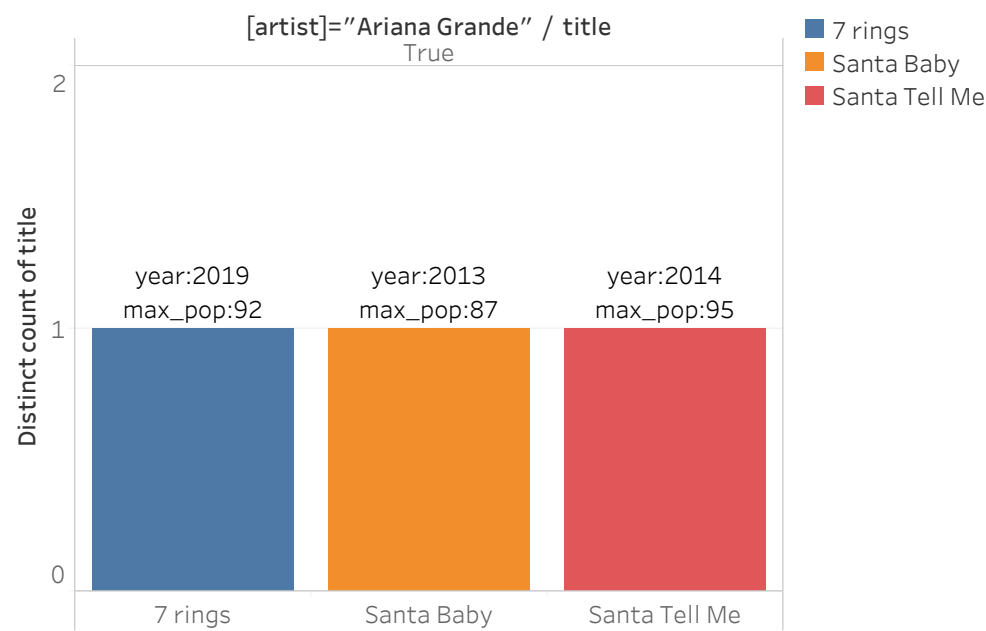
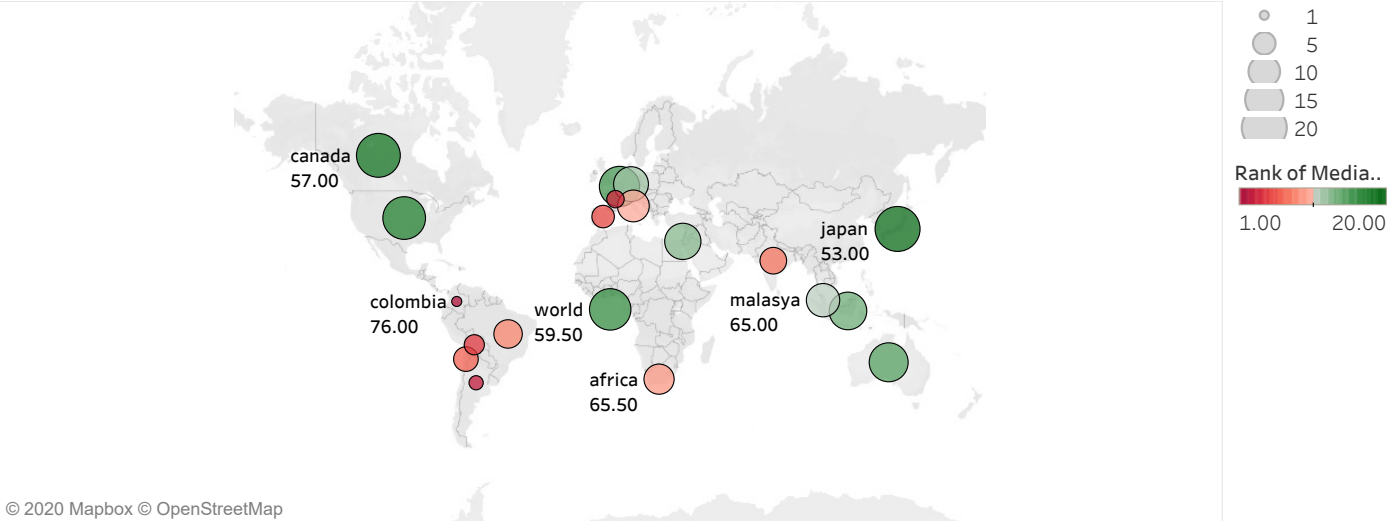


No.of songs of artist 'Ariana Grande' in top spotify list with corresponding year and popularity details



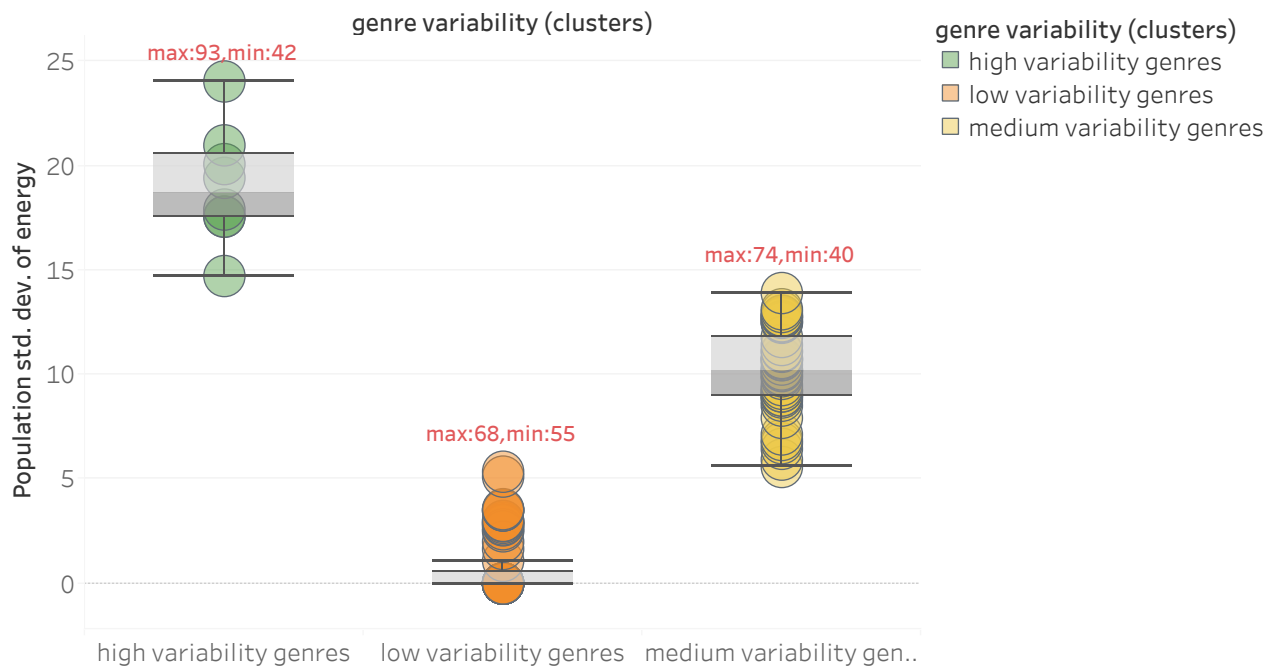
Distinct count of title for each title broken down by [artist]="Ariana Grande". Color shows details about title. The marks are labeled by Year and maximum of popularity. The view is filtered on [artist]="Ariana Grande", which keeps True.

Countries with their median danceability values of their spotify songs arranged in descending order



Map based on Longitude (generated) and Latitude (generated). Color shows unique rank of median danceability of songs in that country. Size shows rank of median danceability. The marks are labeled by country and median of danceability. The view is filtered on country, which keeps 20 of 20 members. (higher the value of danceability ,easier it is to dance for the song)

Genres having songs of highest and lowest energy level variations

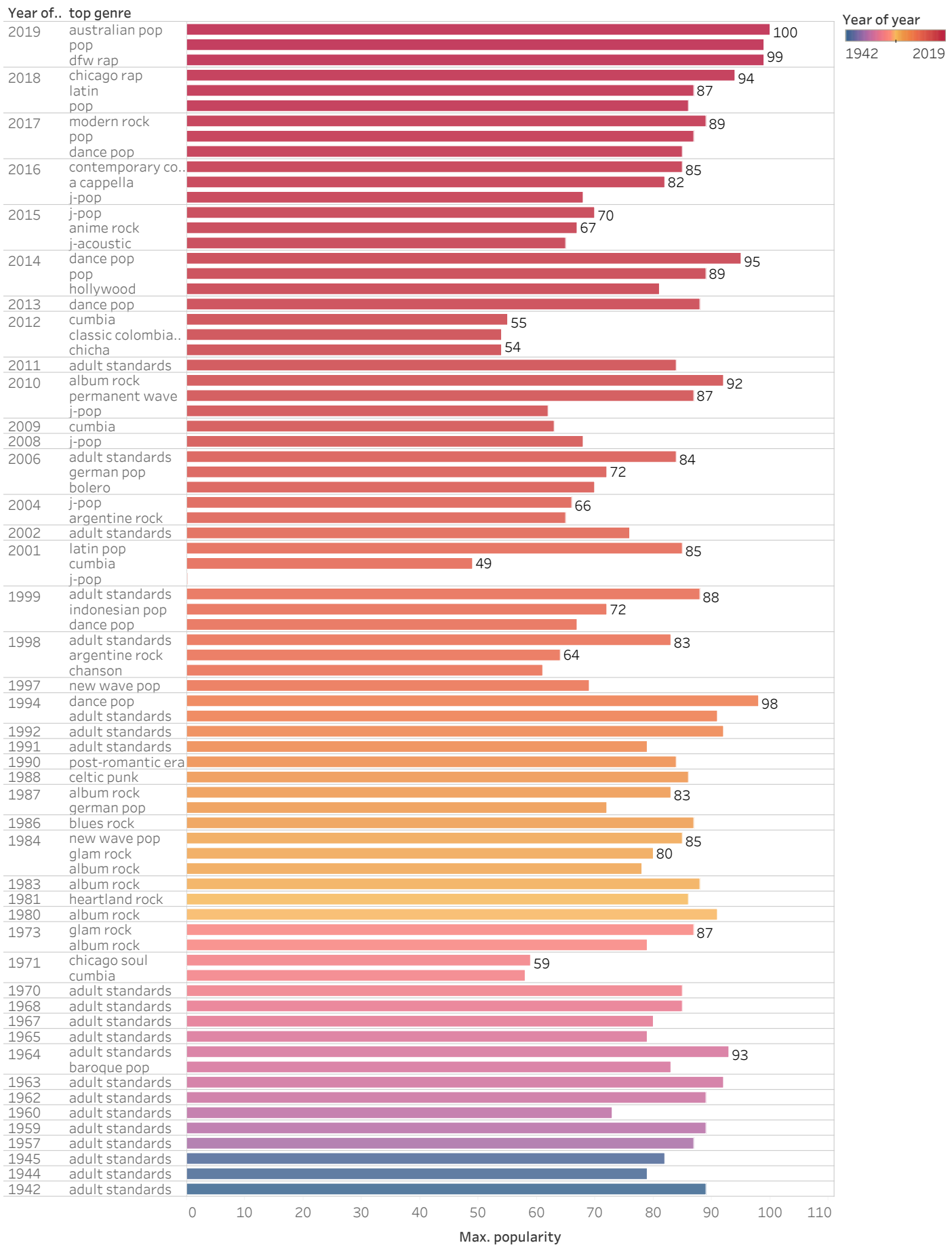


Population standard deviation of energy for each genre variability (clusters). Color shows details about genre variability (clusters). The marks are labeled by maximum of energy and minimum of energy.

Energy is a measure from 0 to 100.

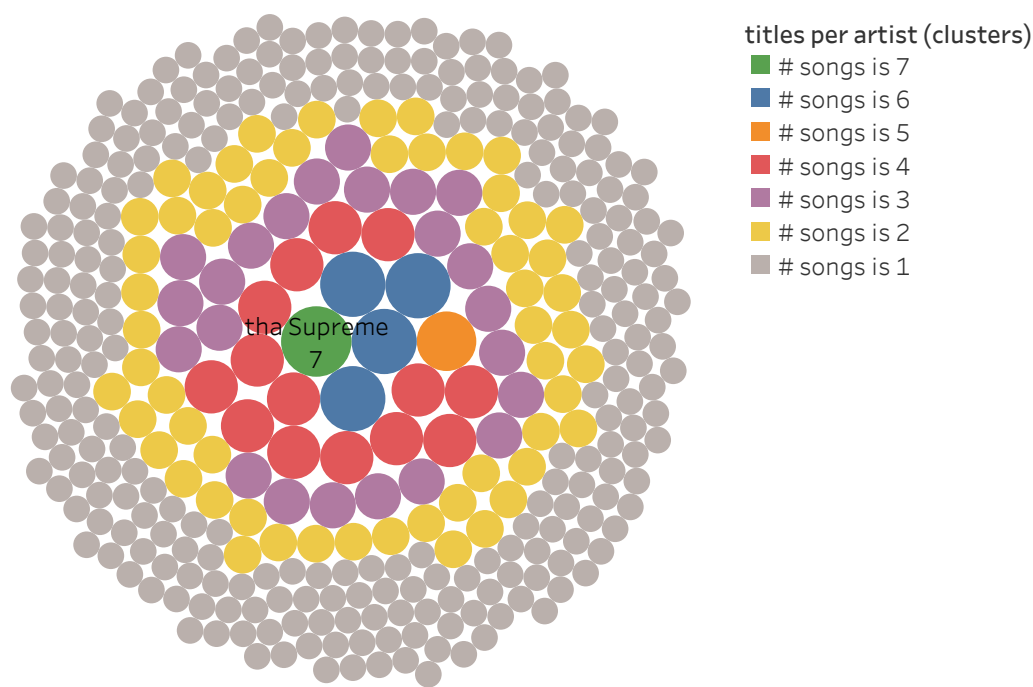
0 and represents a perceptual measure of intensity and activity. Typically, energetic tracks feel fast, loud, and noisy.

Genres in each year having top 3 popularity values



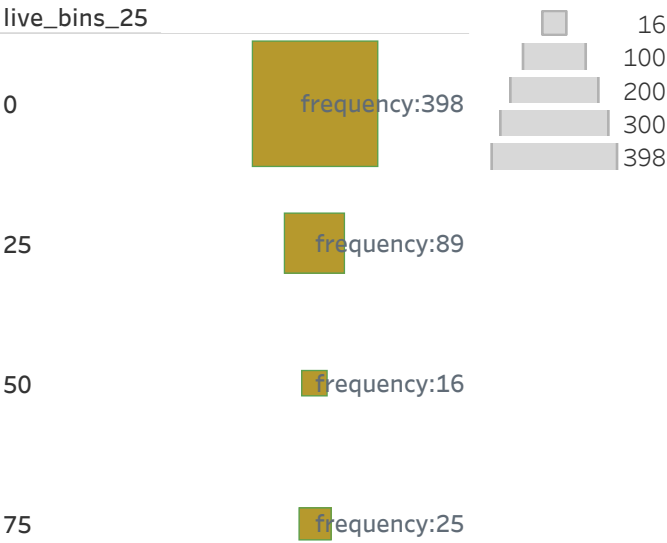
Maximum of popularity for each top genre broken down by year. Color shows details about year. The marks are labeled by maximum of pop. The data is filtered on index, which ranges from 1 to 3. The view is filtered on top genre, which keeps 102 of 113 members. 'NA' in genres is manually excluded in filter option.

Artist with highest number of top spotify entries



Artist and distinct count of title. Color shows details about titles per artist clusters. Size shows distinct count of title. The marks are labeled by artist and distinct count of title.

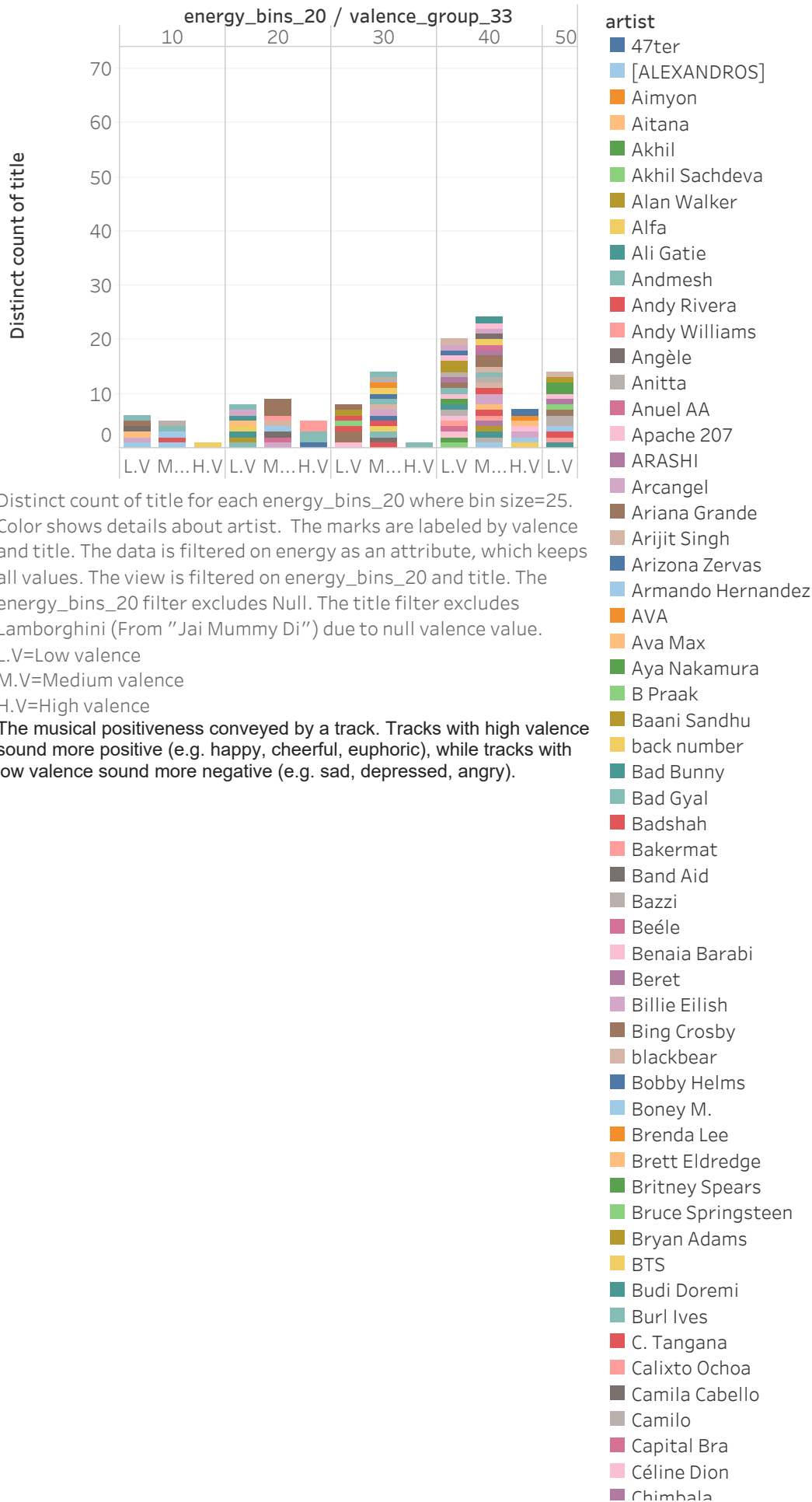
Frequency of liveness of spotify songs



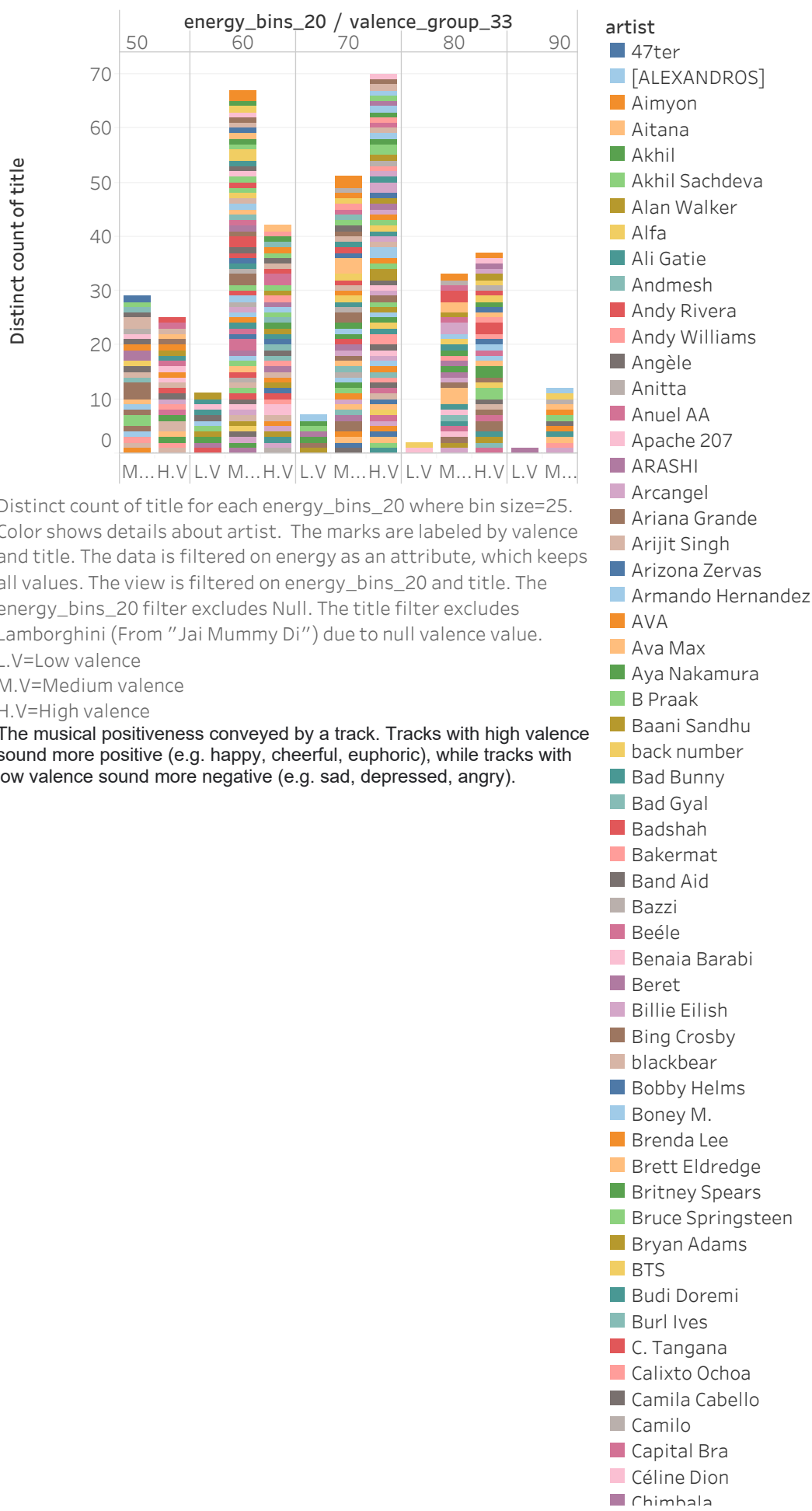
Distinct count of title for each live (bin) with bin size=25. The view is filtered on live (bin), which excludes Null.

Higher liveness values represent an increased probability that the track was performed live. A value above 80 provides strong likelihood that the track is live. Max value is 100.

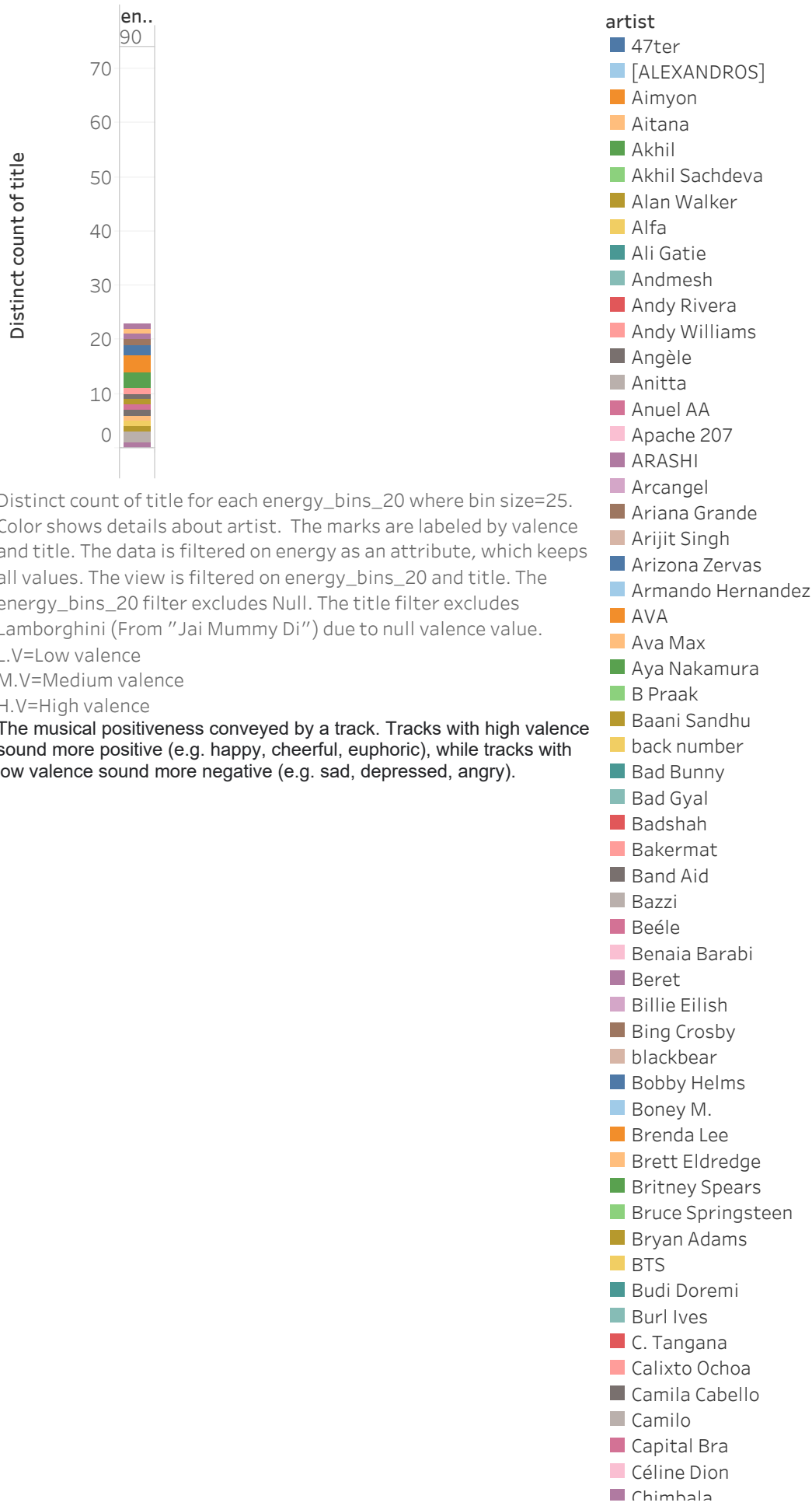
Relationship between energy and valence



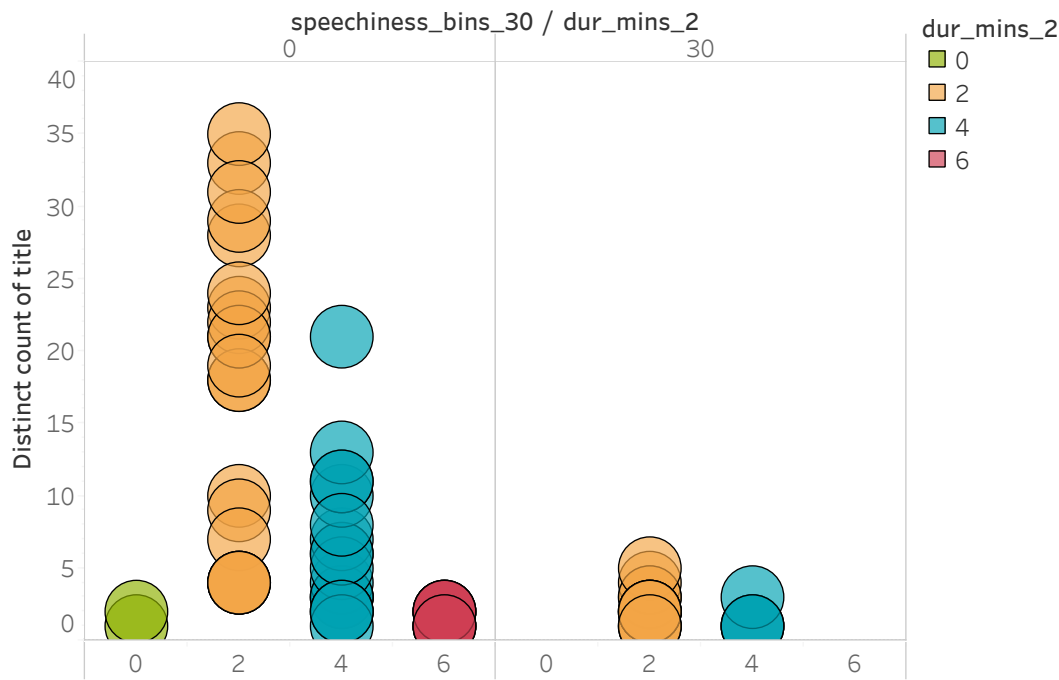
Relationship between energy and valence



Relationship between energy and valence



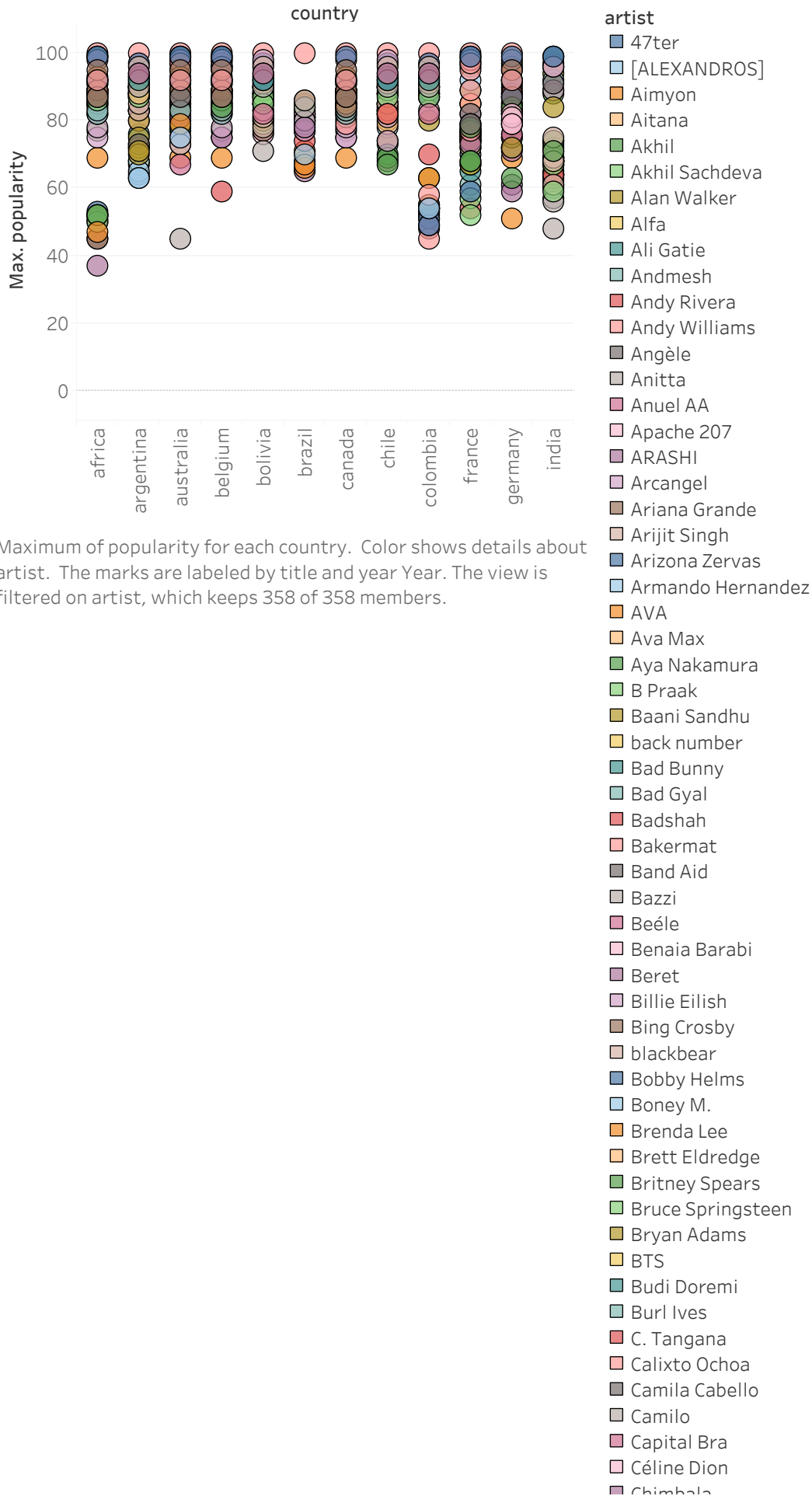
Frequency of duration and speechiness of songs



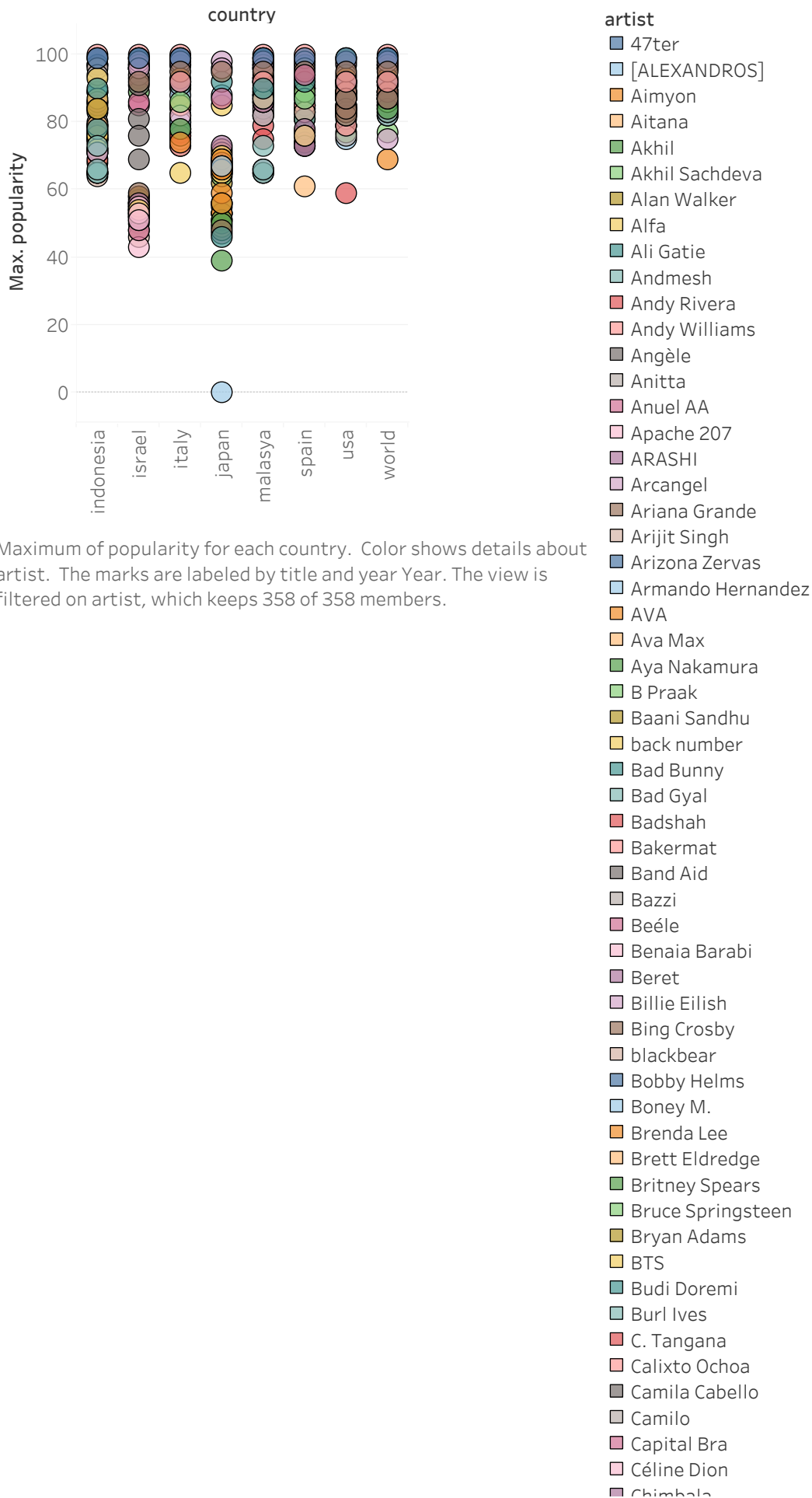
Given data has duration in seconds, from which duration in mins is calculated.
Duration in minutes vs. distinct count of title and speechiness. Color shows details about distinct minute duration bins of size=2mins.
Speechiness is displayed in bin size of 30

Speechiness detects the presence of spoken words in a track. The more exclusively speech-like the recording (e.g. talk show, audio book, poetry), the closer to 100 the attribute value. Values above 66 describe tracks that are probably made entirely of spoken words. Values between 33 and 66 describe tracks that may contain both music and speech, either in sections or layered, including such cases as rap music. Values below 33 most likely represent music and other non-speech-like tracks.

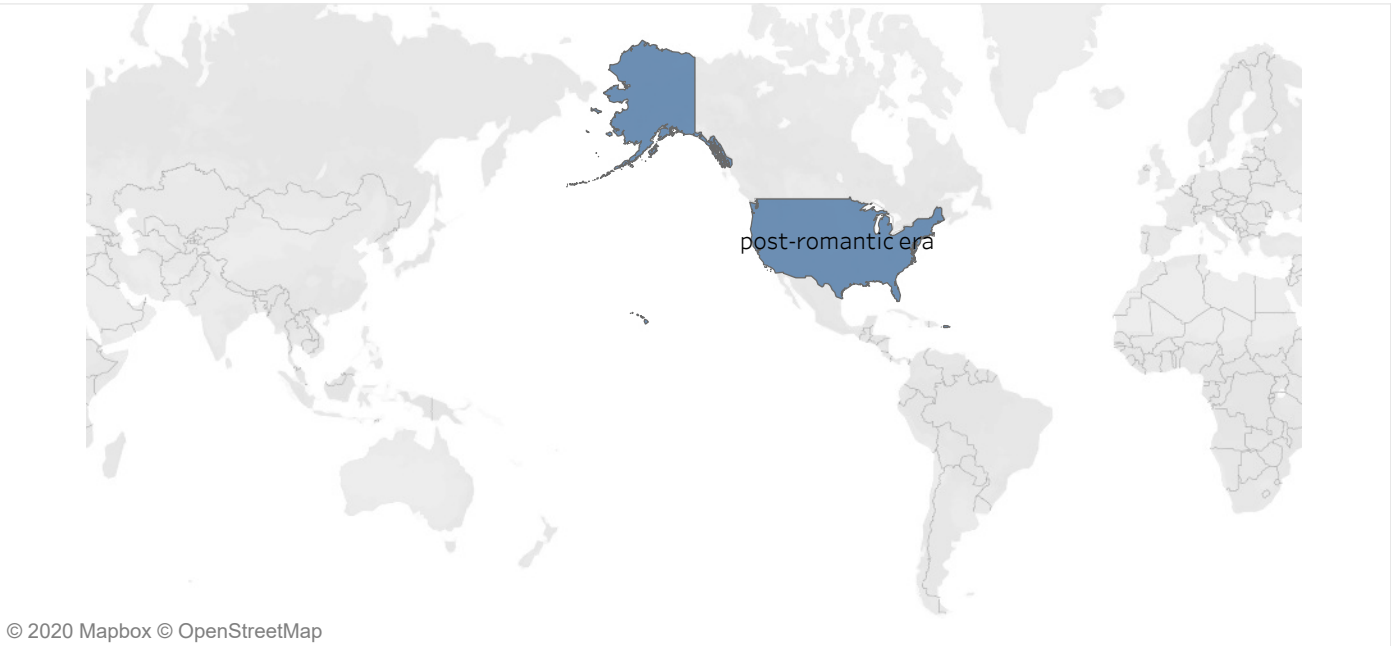
Artist details of titles, country wise maximum popularity



Artist details of titles, country wise maximum popularity

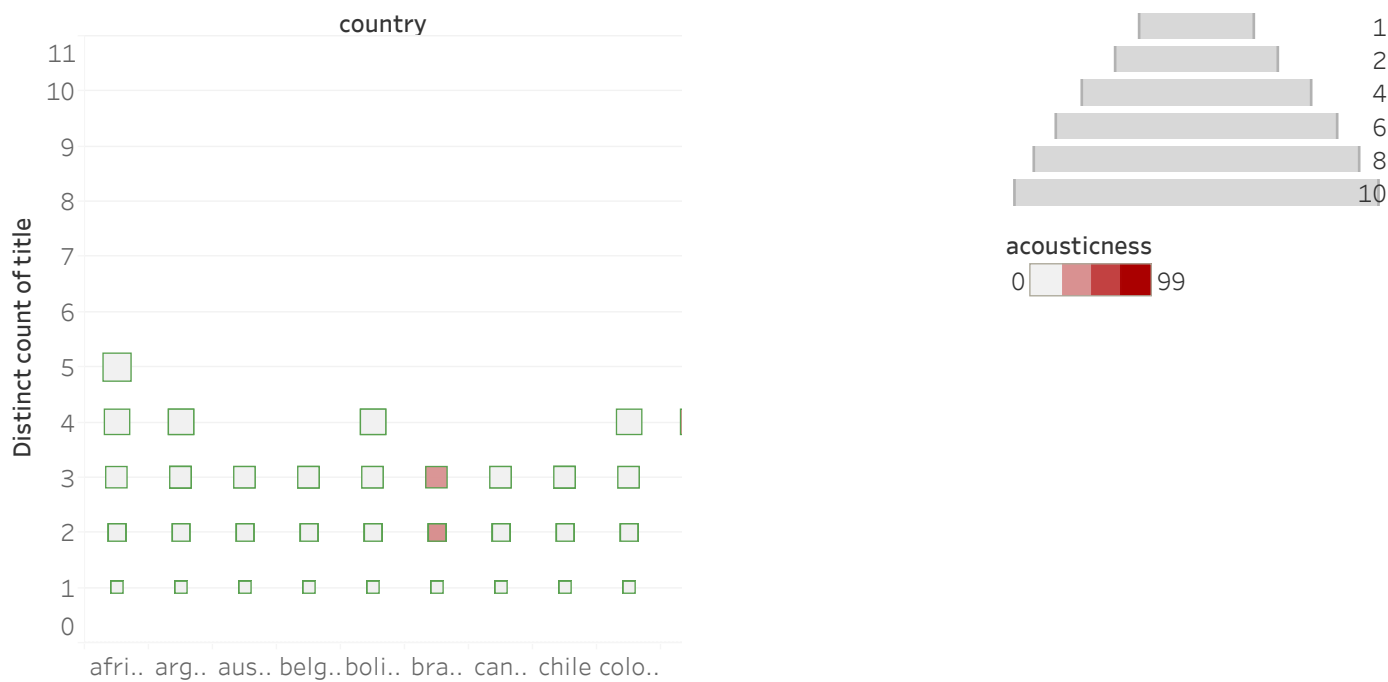


Spotify countries and genre - 1990



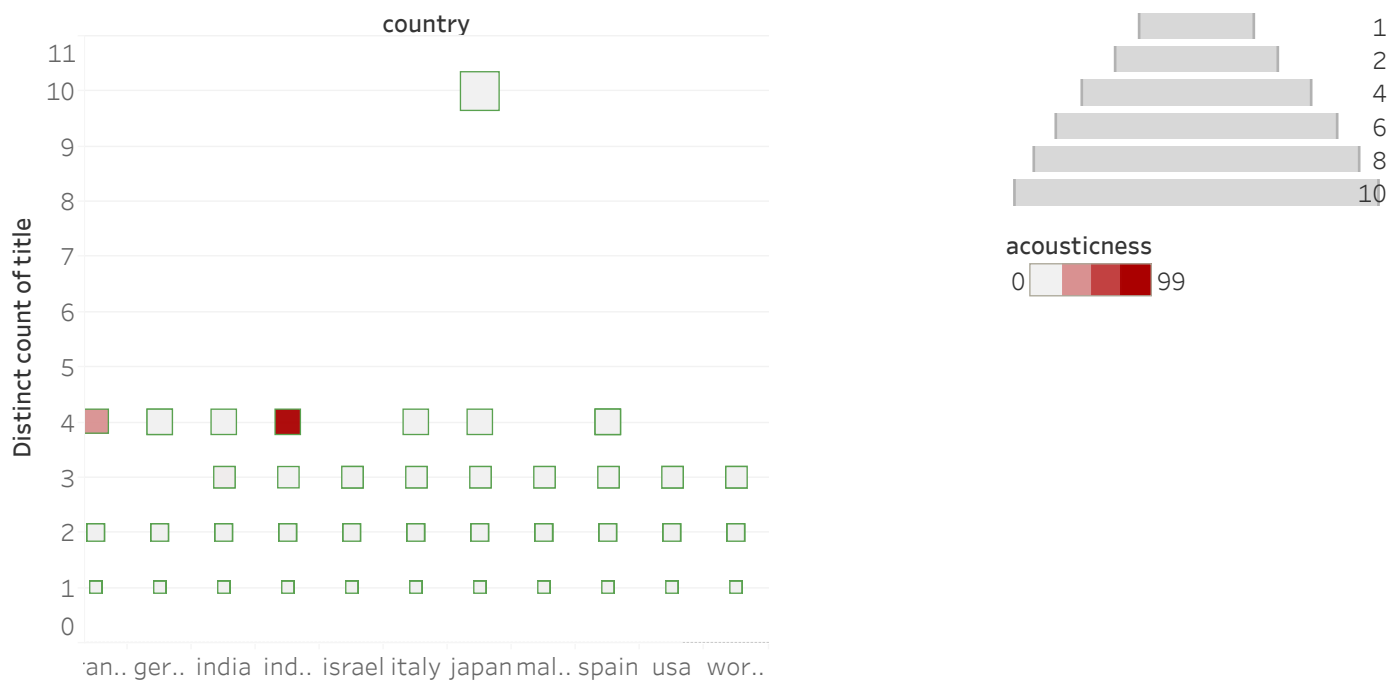
Map based on Longitude (generated) and Latitude (generated). The marks are labeled by top genre. Details are shown for country.

Acoustic songs per country



Distinct count of title for each country. Color shows details about acous. Size shows distinct count of title.

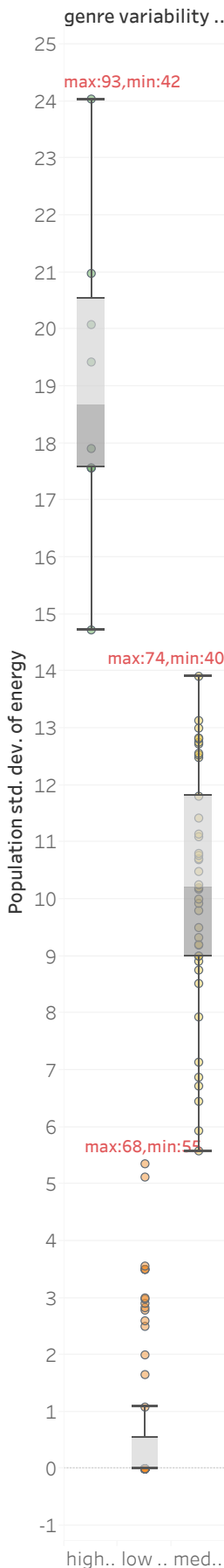
Acoustic songs per country



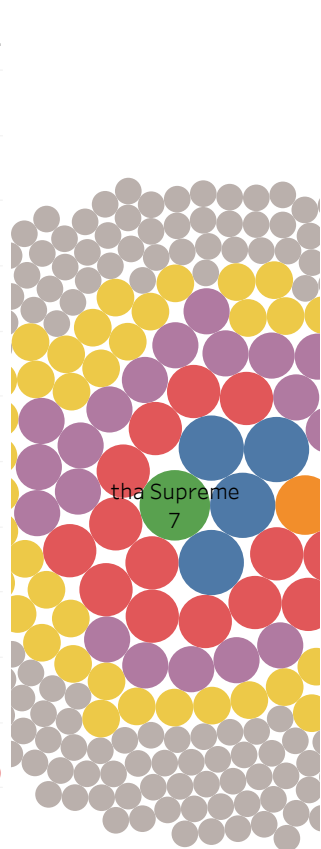
Distinct count of title for each country. Color shows details about acous. Size shows distinct count of title.

SPOTIFY DASHBOARD

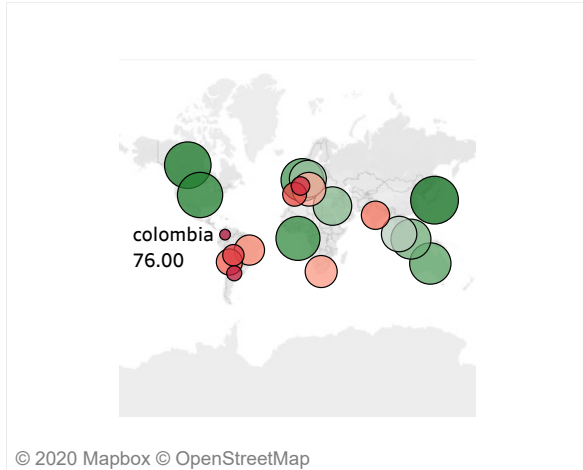
Genres having songs of highest and lowest energy level variations



Artist with highest number of top spotify entries



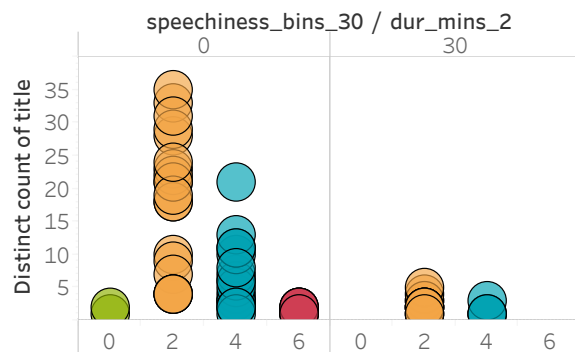
Countries with their median danceability values of their spotify songs arranged in descending order



country

- ☒ africa
- ☒ argentina
- ☒ australia
- ☒ belgium
- ☒ bolivia
- ☒ brazil
- ☒ canada
- ☒ chile
- ☒ colombia
- ☒ france
- ☒ germany
- ☒ india
- ☒ indonesia
- ☒ israel
- ☒ italy
- ☒ japan
- ☒ malaysia
- ☒ spain
- ☒ usa
- ☒ world

Frequency of duration and speechiness of songs



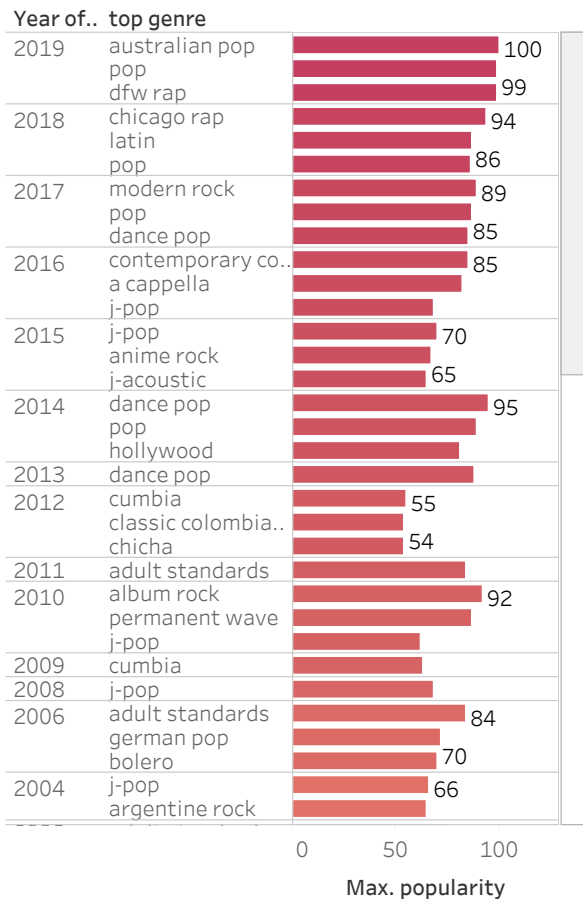
Rank of Median ..

1.00 20.00

genre variability..

- high variabili..
- low variabilit..
- medium vari..

Genres in each year having top 3 popularity values



Year of year

1942 2019

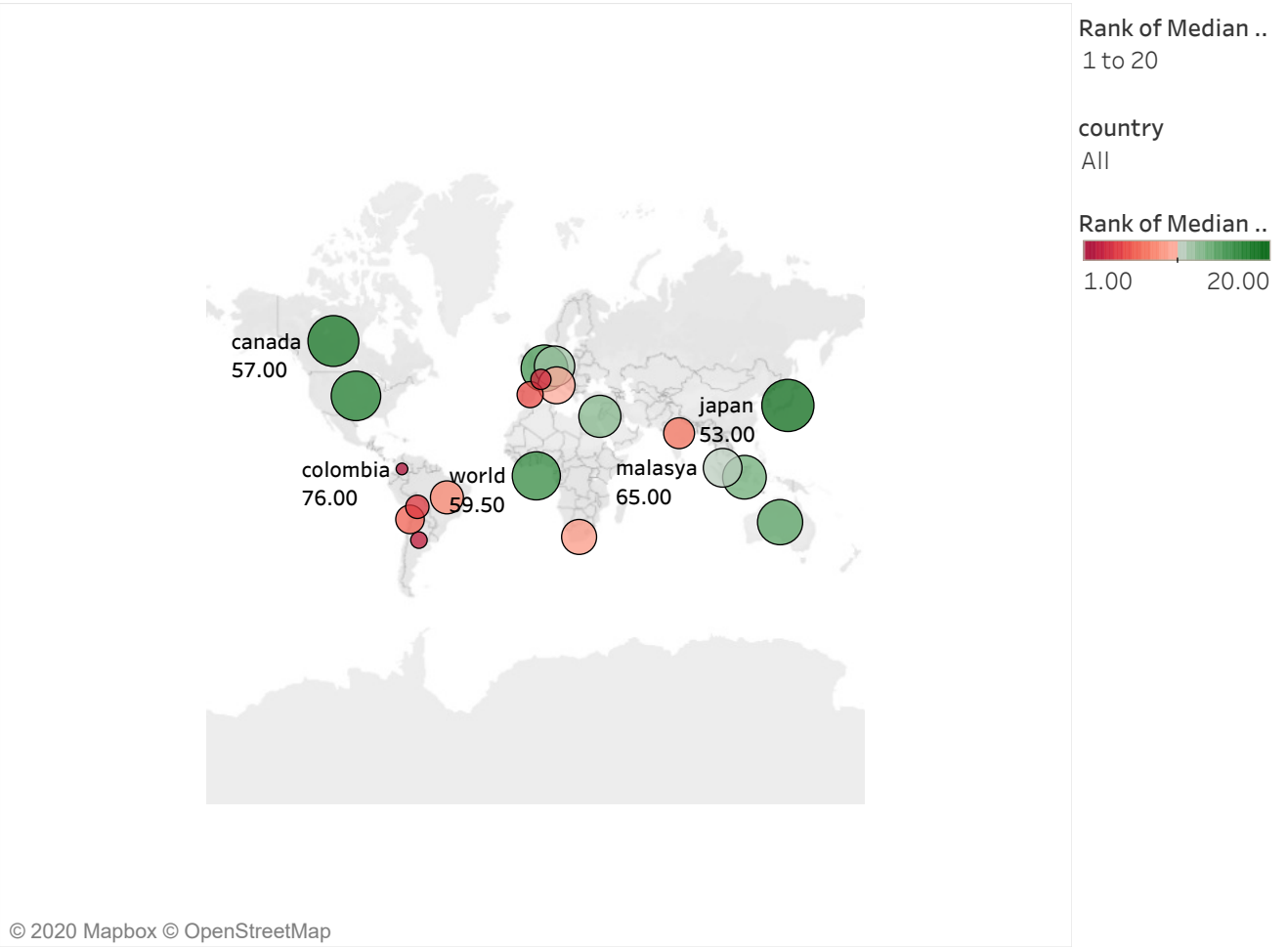
titles per artist (..

- # songs is 7
- # songs is 6
- # songs is 5
- # songs is 4
- # songs is 3
- # songs is 2
- # songs is 1

Explanatory Analysis on Spotify data

When observed by the size of circles, we can understand that top spotify list has Colombia with highest danceability i.e., easy to dance and reverse is the case with Japan.

In the given sheet of top 50 ..

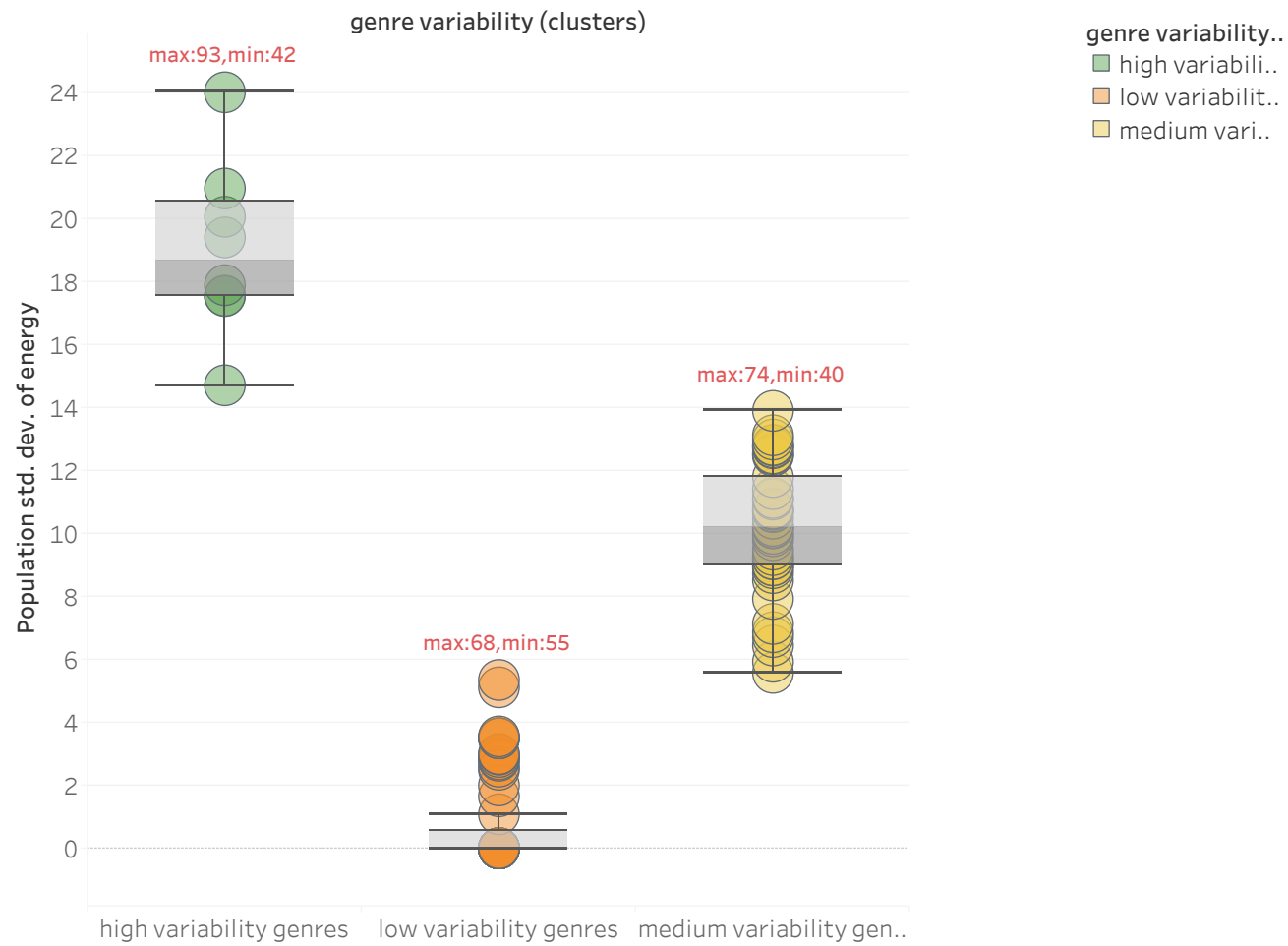


Explanatory Analysis on Spotify data

W
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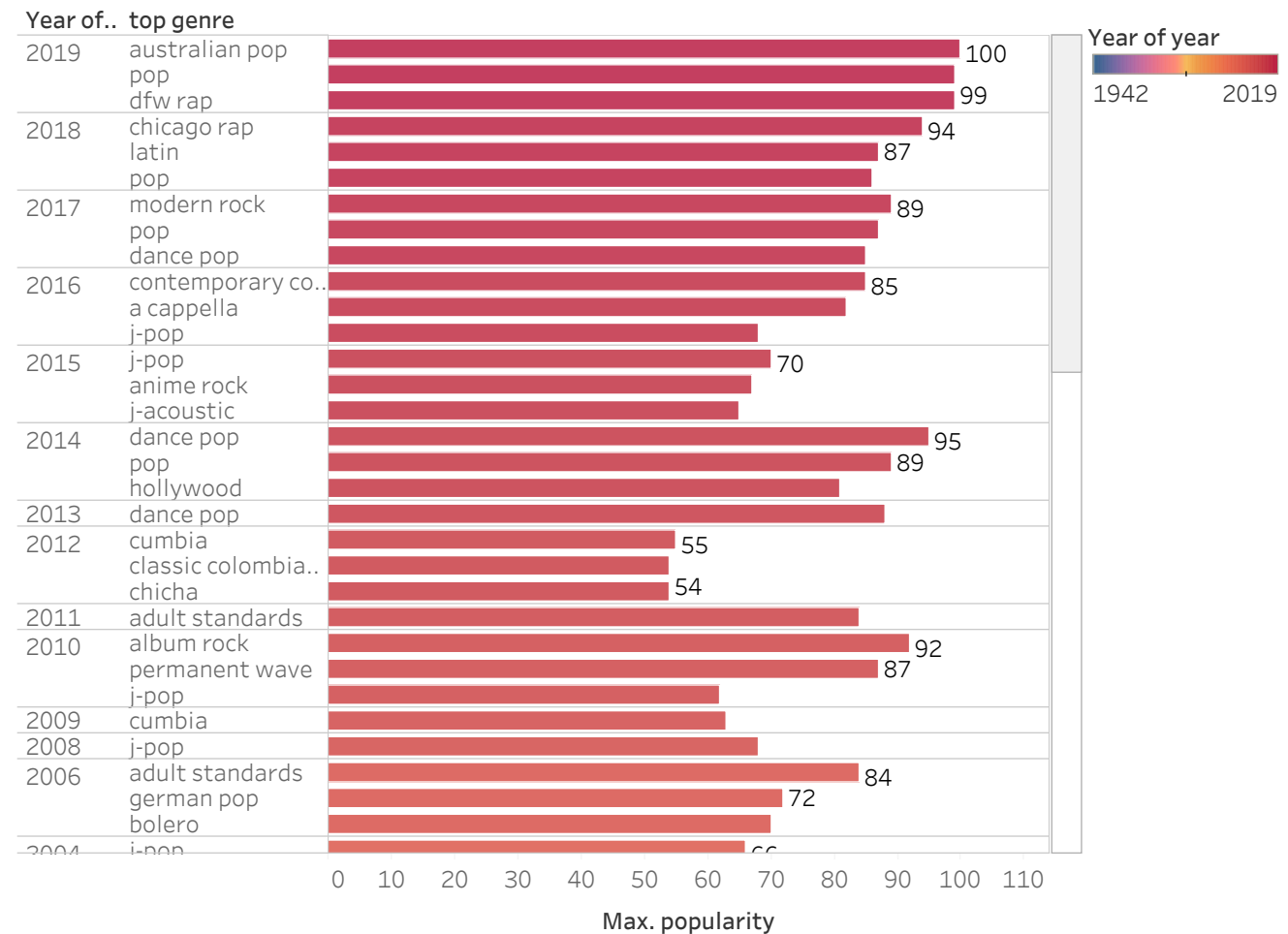
In the given sheet of top 50 entries country wise, it is observed that green cluster box plot which is high variability genre cluster, 'glam rock' genres has highest variability of energy among its songs.

Fro
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Explanatory Analysis on Spotify data

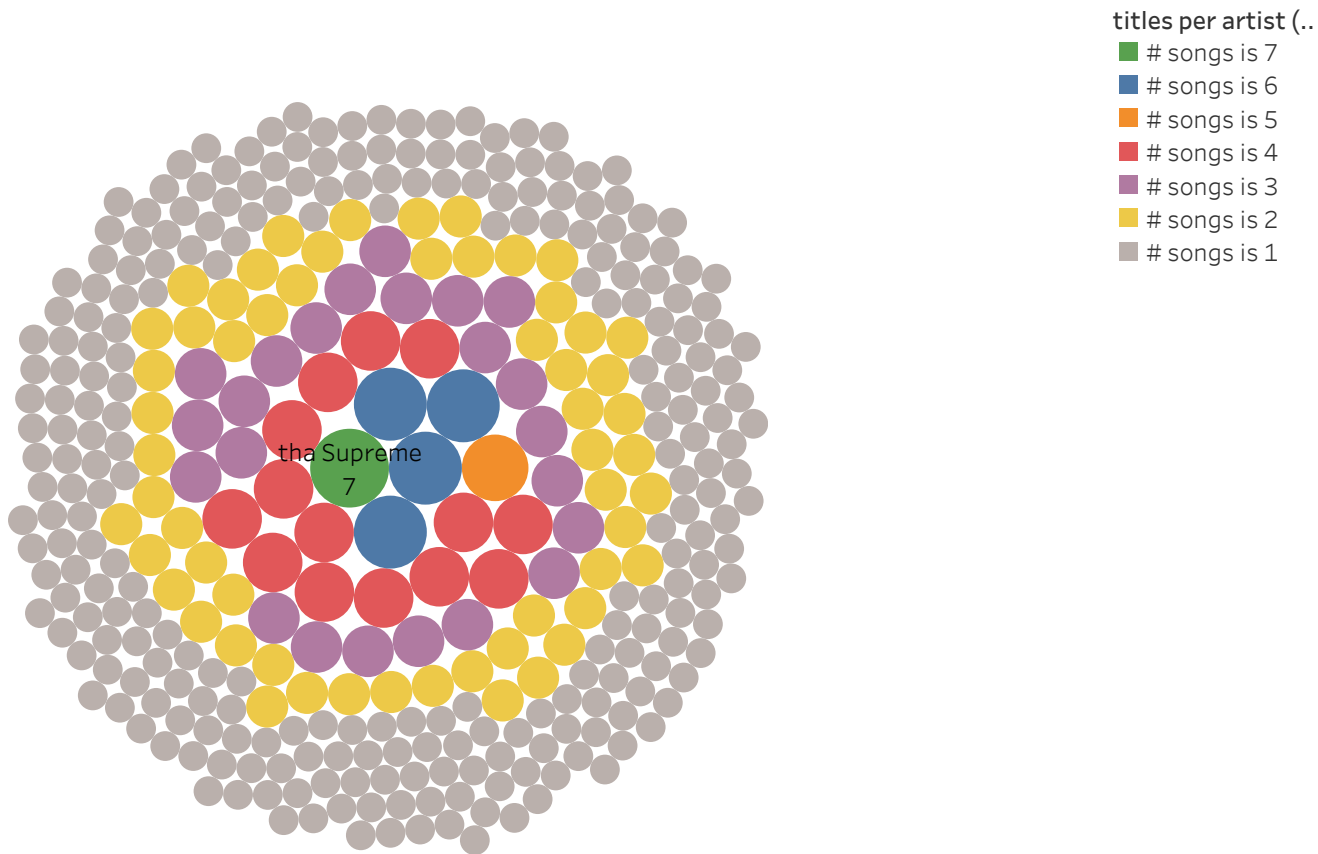
In th e g i..	From the graph, it is observed that the most popular genre has slowly drifted from adult standards to rock,rap and pop music and popularity values have also raised by 2019.	Fro m th is gr ap..
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Explanatory Analysis on Spotify data

From this graph, it can be understood that the artist with highest spotify entries by number of titles is 'tha Supreme' with 7 songs.

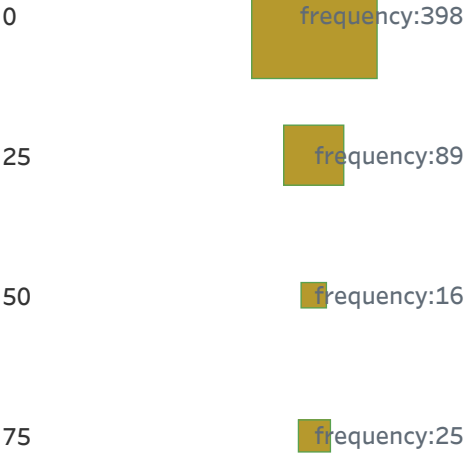
It is
vivid
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m t..



Explanatory Analysis on Spotify data

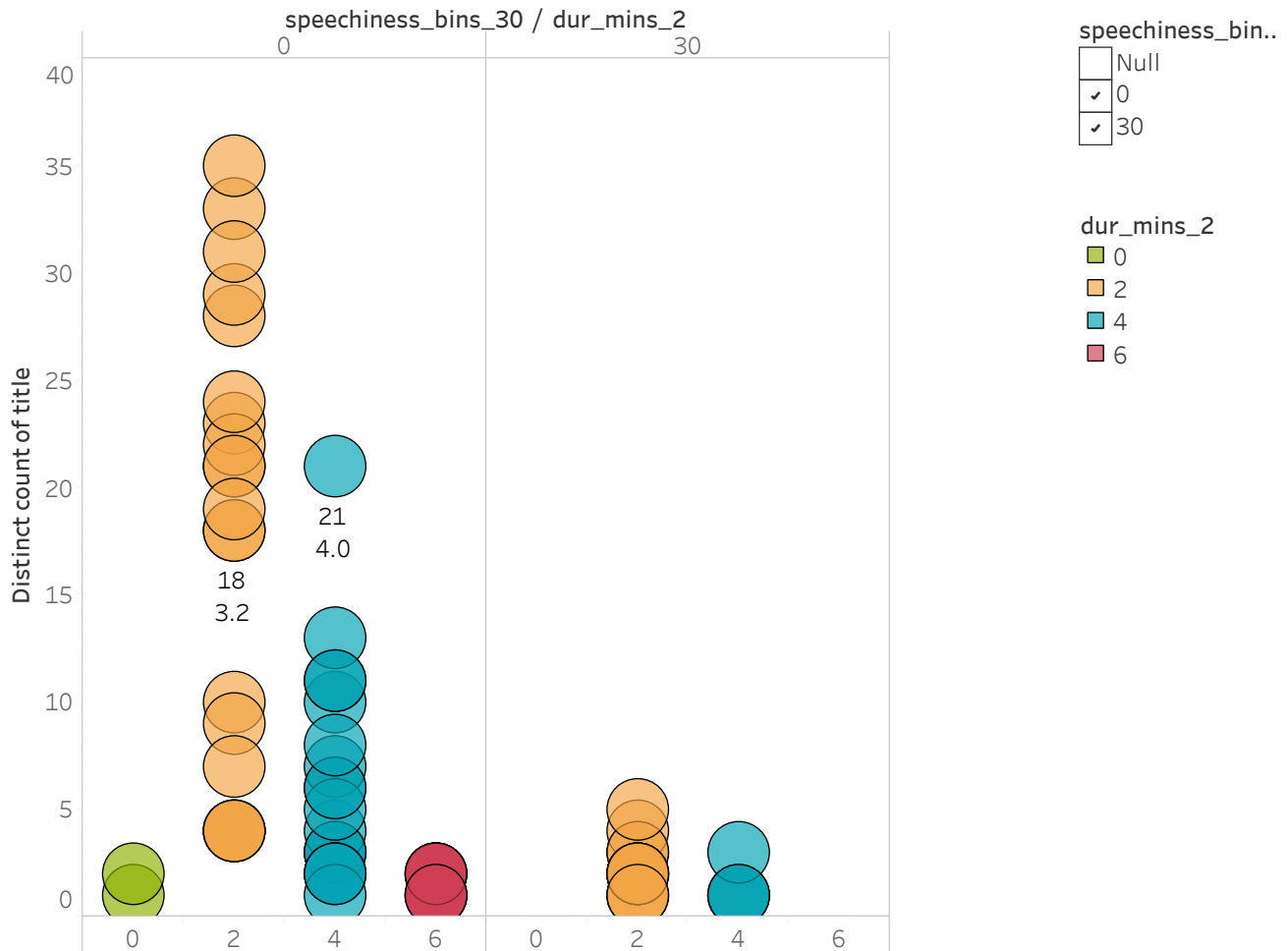
Fr o m t..	It is vivid from this graph that the most number of top spotify songs are not live version of songs, instead they are studio recorded as most of the songs are in low level liveliness bins rather than high level bins.	Fro m ob serv ati..
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live_bins_25



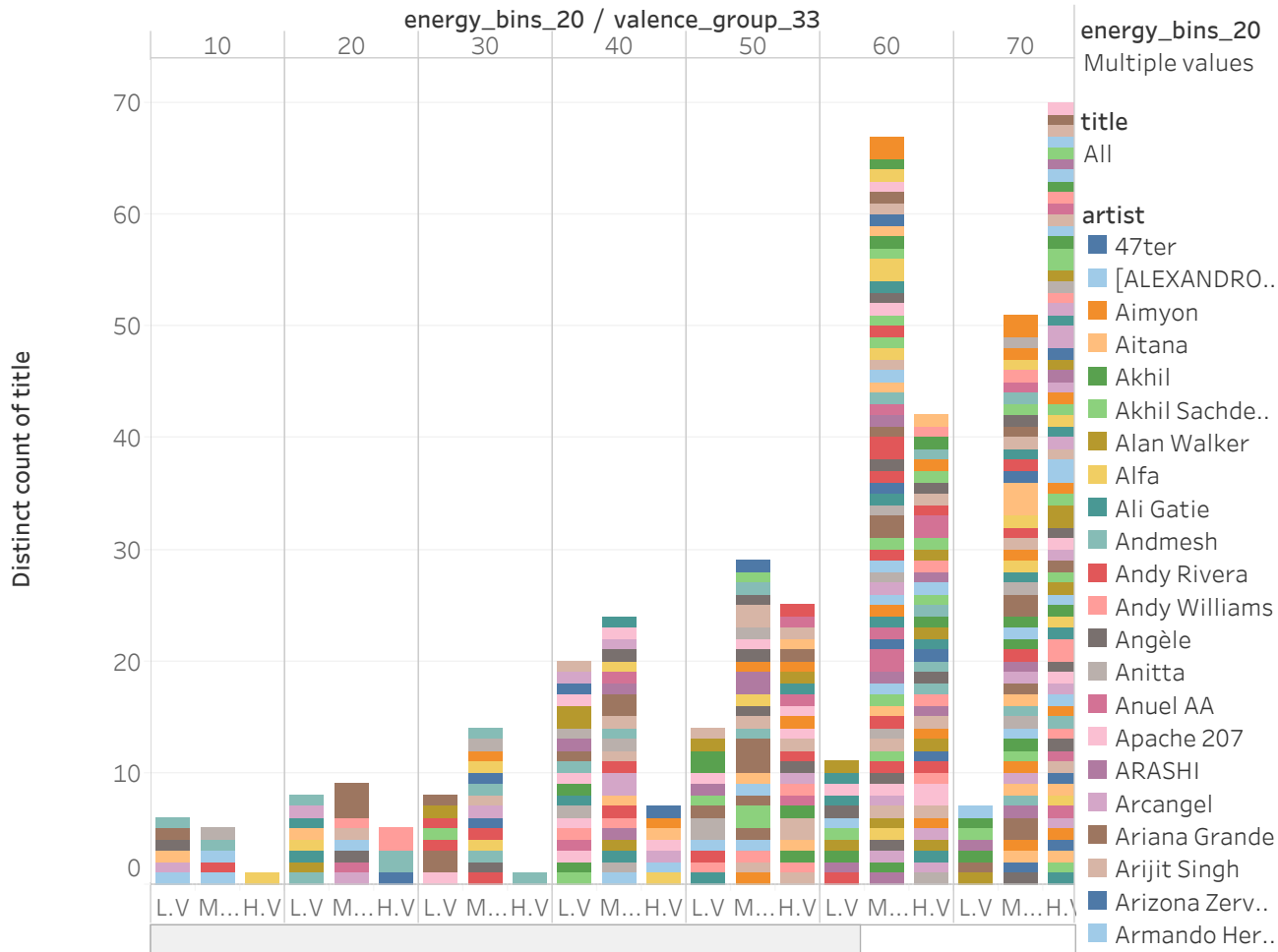
Explanatory Analysis on Spotify data

It i s v ivi d..	From observation, it is found that most of the songs are in 2-4 mins duration and most of the songs fall in low speechiness band which implies the songs are music prominent is nature.	Mos t of the so..
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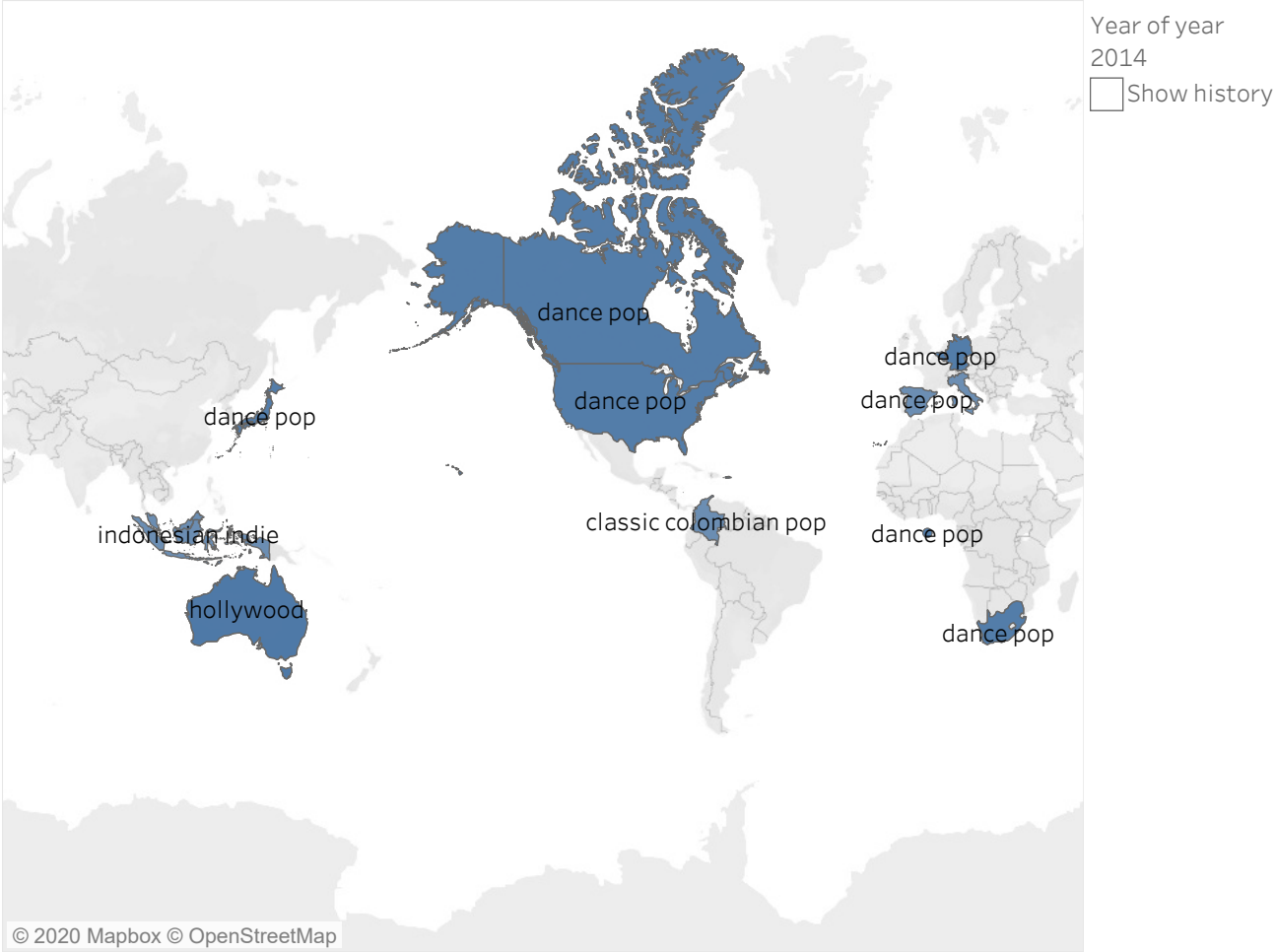
Explanatory Analysis on Spotify data

Fr o m O..	Most of the songs are in 60-70 and 70-80 energy levels and most of the songs are having high valence which implies spotify listeners are mostly preferring to listen happy,neutral emotion songs.	Wit h ti me n O.O..
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Explanatory Analysis on Spotify data

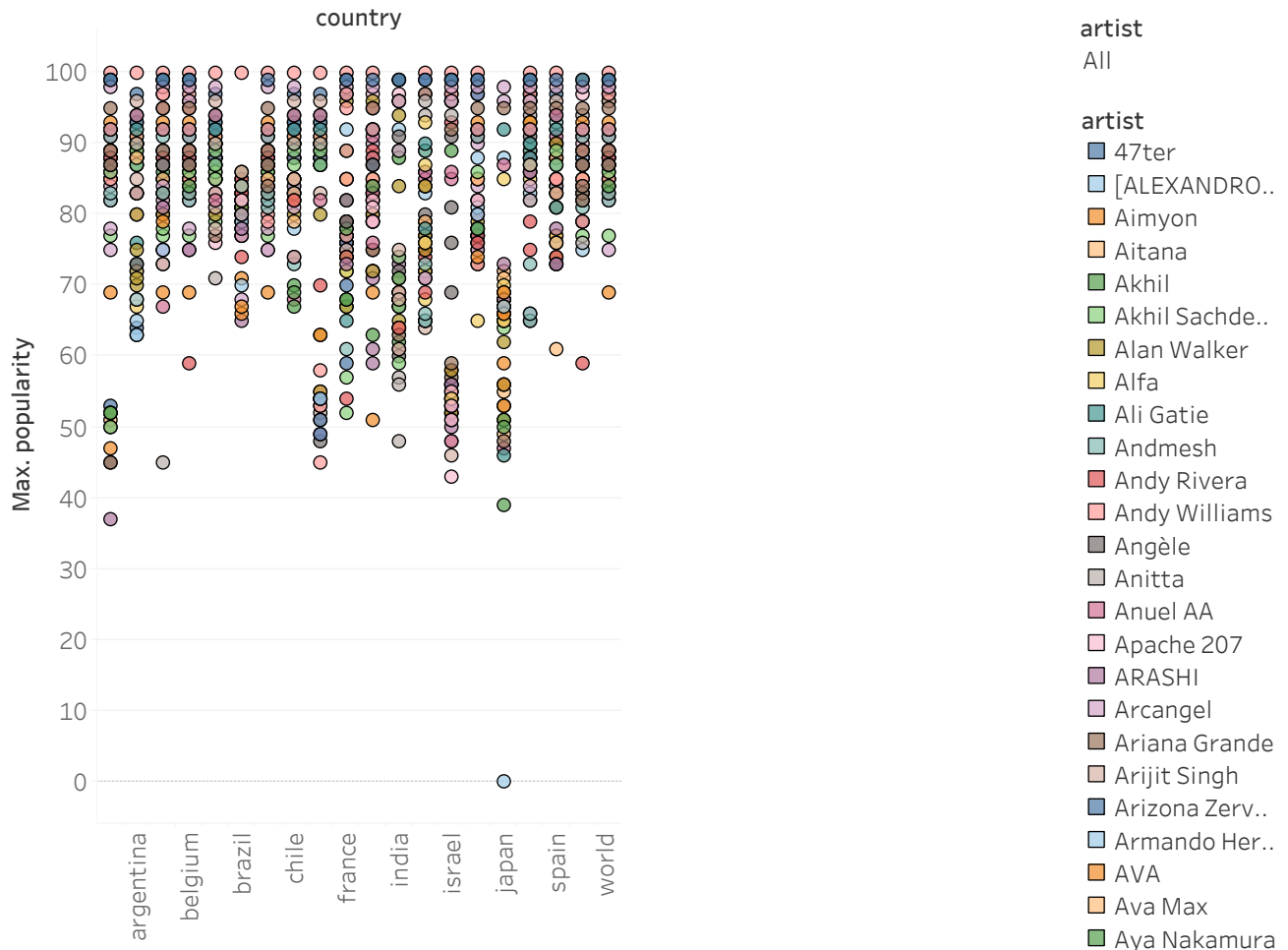
M os to f..	With time no.of countries using spotify is increasing and each country is exploring different genres of music with time.	Fro m th e gr ap..
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Explanatory Analysis on Spotify data

With the following conclusions can be drawn, Japan has an outlier entry with a song title from artist 'MONGOL800' with 0 popularity. Almost all the countries has max popularity as 100 except India=99, Japan=98 and USA=99. Many countries has artist with maximum popularity as 'Tones and I' with song 'Dance Monkey' in year 2019.

From the graph



Explanatory Analysis on Spotify data

From the graph the following..

From the graph, it is clear that acoustic versions are not huge part of top 50 spotify songs of most of the countries. Listeners are preferring non acoustic version of the songs. We see songs in top spotify list which are having significant acousticness is only in Indonesia, France and Brazil.

