Assignment 9

Plot1: Scatter

Plot:

This is a scatter plot. The x axis is the type of movie, the y axis is the released year. I applied d3.zoom and tooltip on this scatter plot, which allows audiences to zoom in and see the name of the movie
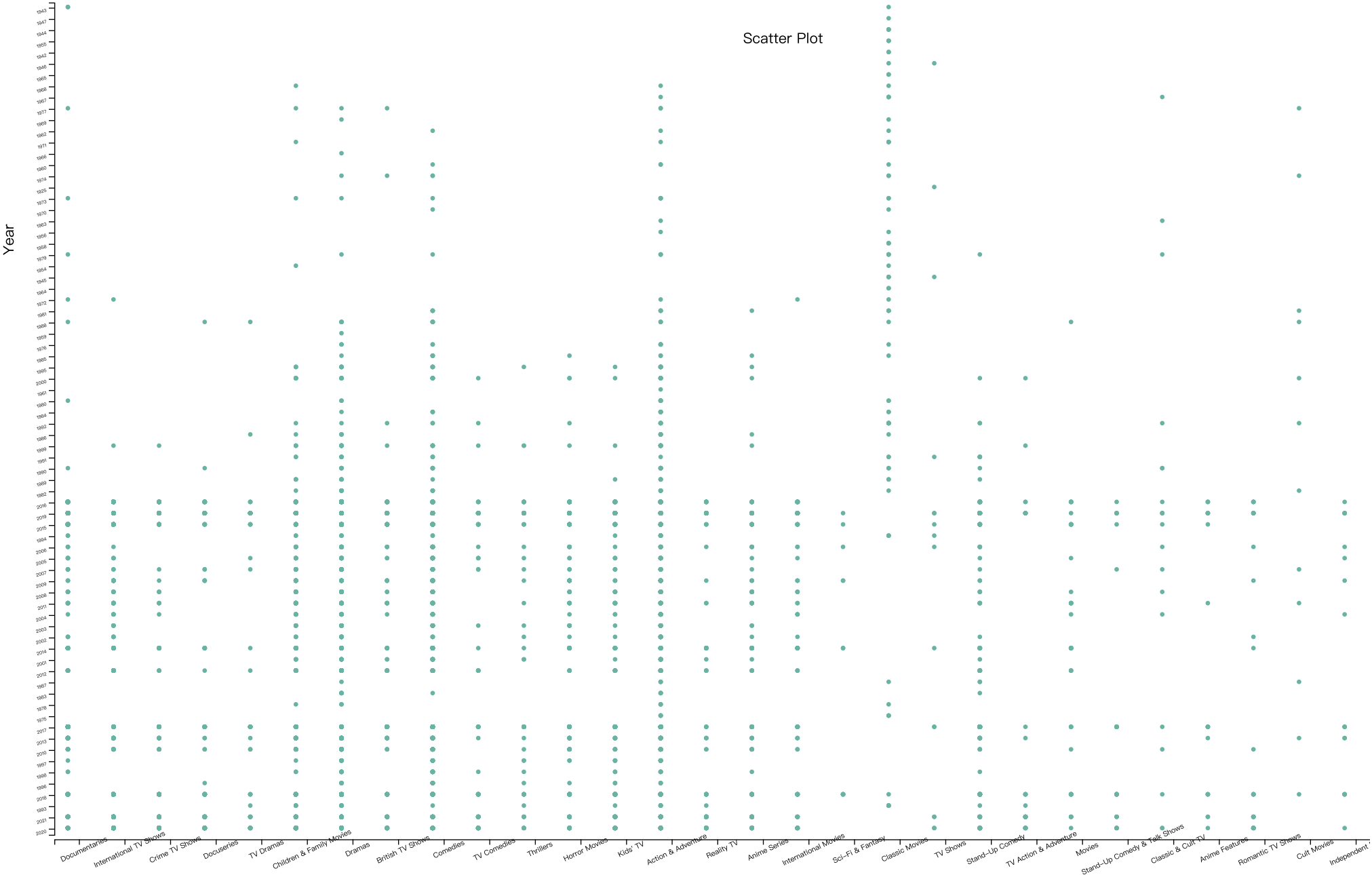
i: I chose one single color to represents each movie because it is categorical. ii: Channels: Horizontal position, Vertical position. Marks: points

Storytelling:

This scatter plot demonstrates the type of movies/shows that exist in the dataset and which year it is produced.
It is easy to see which category of movies/ shows are being produced most across all the years.
The empty space in the scatter plot indicates that some types of shows/movies were not reproduced in certain years.

Scatter Plot

Year

Documentaries · International TV Shows · Crime TV Shows · Docuseries · TV Dramas · Children & Family Movies · Dramas · British TV Shows · Comedies · TV Comedies · Thrillers · Horror Movies · Kids' TV · Action & Adventure · Reality TV · Anime Series · International Movies · Sci-Fi & Fantasy · Classic Movies · TV Shows · Stand-Up Comedy · TV Action & Adventure · Movies · Stand-Up Comedy & Talk Shows · Classic & Cult TV · Anime Features · Romantic TV Shows · Cult Movies · Independent

Plot 2: Bar Chart

This is a bar Chart. The x axis is the type of movie, the y axis is the amount of each type. I applied interactivities of bottons and animetion on this bar chart.

i: I chose one single color to represents each type of movie because it is categorical.
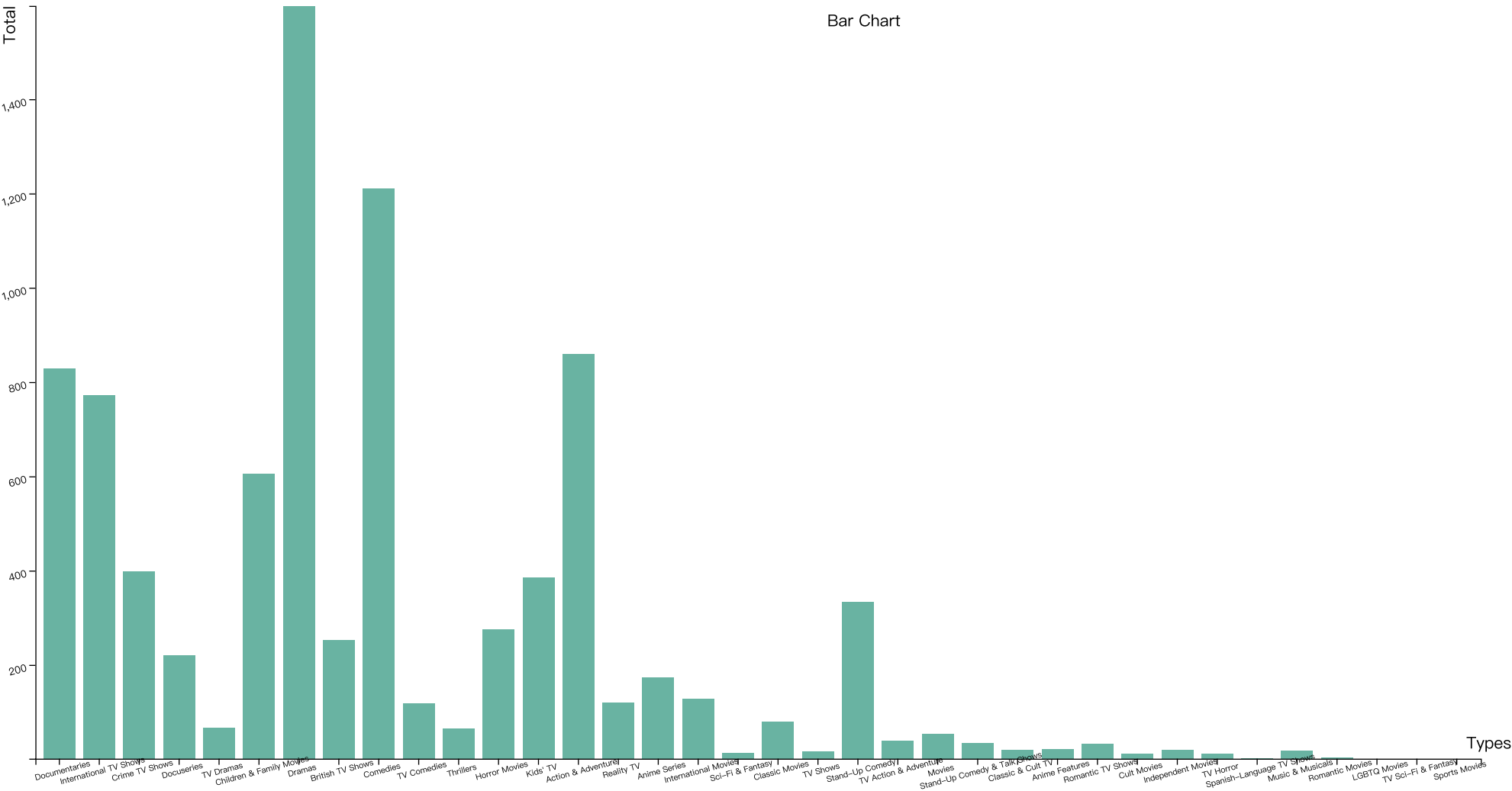ii: Channels: Horizontal position, Verical position. Marks: rectangles

This bar chart shows the amount of each category of movies and shows being produced.
The higher bars represent a larger amount of production of certain types of movies/shows and vice versa.
It helps the audience understand which type of movies/shows are more popular.

Sort me!
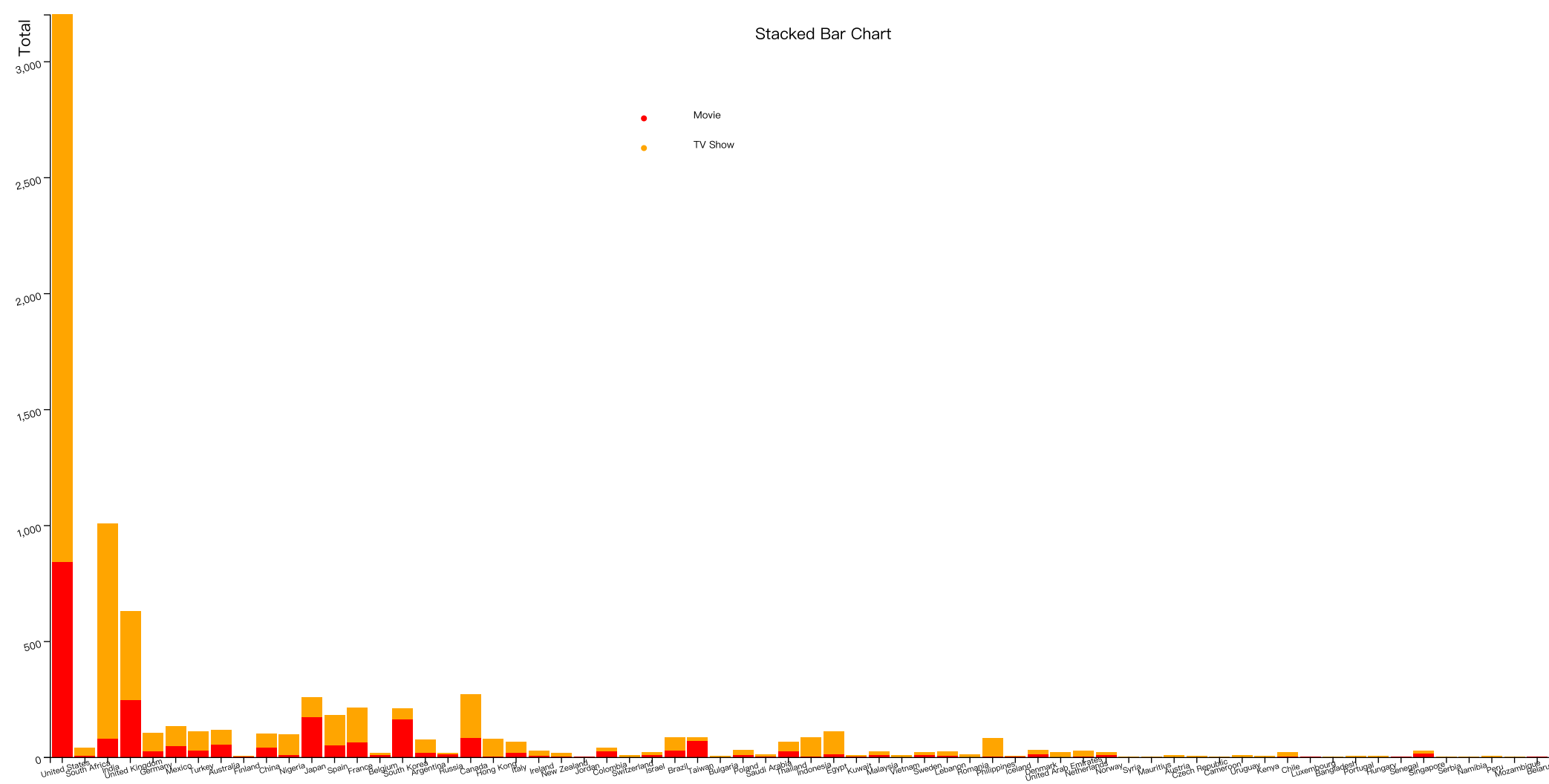
Plot:

Bar Chart

Plot 3: Stacked Bar Chart

This is a stacked bar Chart. The x axis is the countries, the y axis is the amount of movie/shows.

i: I chose one single color to represents each type of movie because it is categorical.
ii: Channels: Horizontal position, Verical position, Color, length of each segment. Marks: lines

This is a stacked bar chart. The different colors represent the two kinds of media(tv shows and movies).
The stacked bar chart shows the amount of two types of media across countries. I made some changes based on my original proposal.

I was planning on setting the x axis to be directors. However, it seems like most of the directors only have one work, thus the stacked bar chart seems meaningless. I adjusted the x axis to be countries, which can shows a more obvious relationship between country and amount of each type of media.
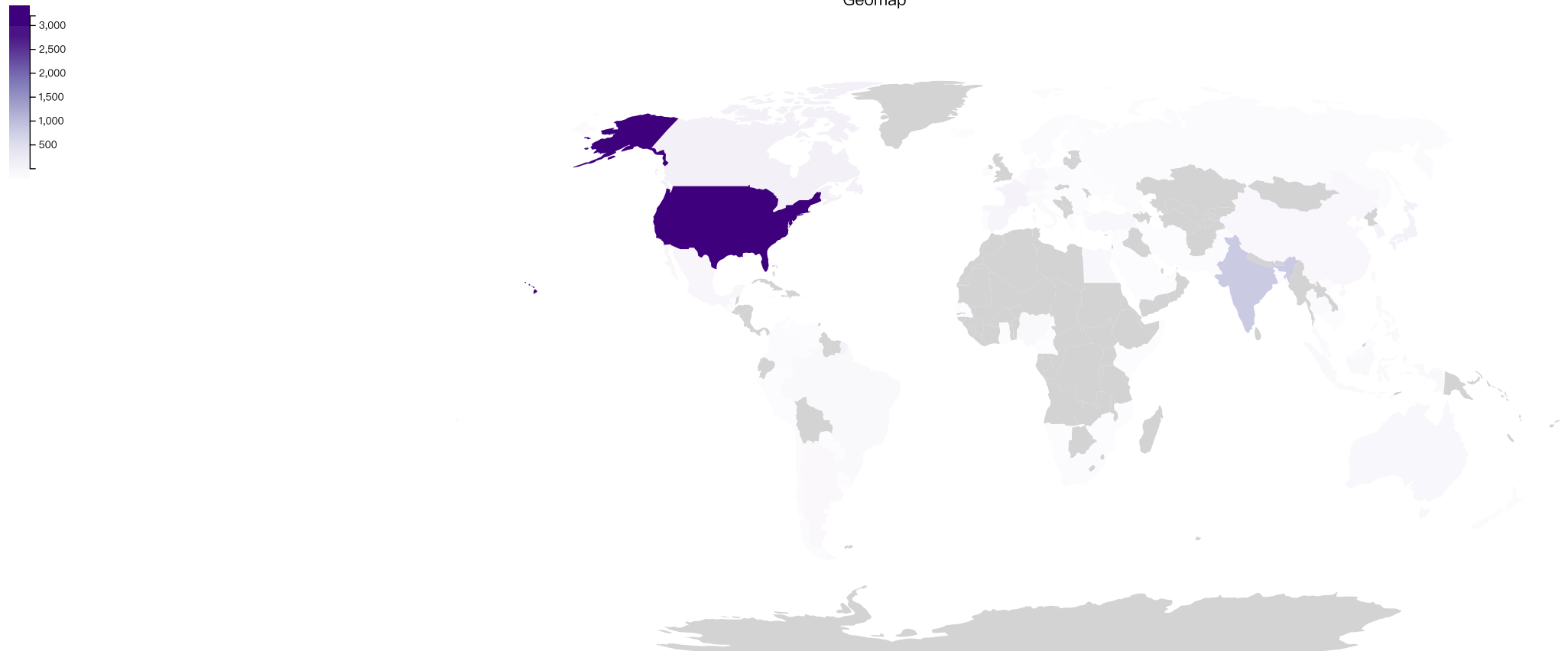
Plot:

Plot 4: GeoMap

This is a Geomap. It shows ammount of production from each countries.

i: The color scheme is d3.scaleSequential(d3.interpolatePurples) because the sata is sequential.

ii: Channels: color,Location Marks: color-coded areas

This is a geomap. The different colors indicate the total number of shows and movies being produced in each country.
It provides a strong visual representation to the audiences. The darker the color, the larger the amount is.

Plot:

Geomap

Plot 5: Box Plot

This is a Boxplot. It shows how released year of movie/show distributed.

i: The color scheme is single color because it is categorical.
ii: Channels: position, length, width, color Marks: lines

This is a box plot of released years of movies and tv shows. I made some changes based on the original proposal: duration of shows and movies.
When i was doing the data cleaning i realized that there are multiple measure units for the duration. Some are in seasons, some are in episodes.
It is hard to standardize the units, so I started to look for the relationship between release year and kinds of media.
This box plot gives the audience a general idea of the distribution of release years.

Plot:

Box Plot