Netflix

Final Report-Data Visualtion

Netflix

TEAM MEMBERS

Ahmed Abdelsalam Ahmed 20201370151

Ahmed Mohamed Ahmed Hosny 20201321611

Mohamed Farag AbdElMaqsoud 20201498657

Serag el-dein Amged 20201498519

Netflix — Data Visualization

Netflix is one of the most popular media and video streaming platforms. They have over 10000 movies or tv shows available on their platform, as of mid-2021, they have over 222M Subscribers globally. This tabular dataset consists of listings of all the movies and tv shows available on Netflix, along with details such as — cast, directors, ratings, release year, duration, etc.

Our aim while exploring this dataset is to analyze the data and generate insights that could help in deciding which type of shows or movies to produce and how they can grow the business in different countries.

Let's start...!

Goal:

The overall goal is to determine what types of shows/movies Netflix should create. By answering the following smaller questions, I will be more informed and able to answer this overarching goal.

Description of the data:

About this Dataset: Netflix is one of the most popular media and video streaming platforms. They have over 8000 movies or tv shows available on their platform, and as of mid-2021, they have over 200M Subscribers globally. This tabular dataset consists of listings of all the movies and tv shows available on Netflix, along with details such as - cast, directors, ratings, release year, duration, etc.

The dataset provided to us consists of a list of all the TV shows/movies available on Netflix:

Show_id: Unique ID for every Movie / Tv Show
Type: Identifier — A Movie or TV Show
Title: Title of the Movie / Tv Show
Director: Director of the Movie
Cast: Actors involved in the movie/show
Country: Country where the movie/show was produced
Date_added: Date it was added on Netflix
Release_year: Actual Release year of the movie/show
Rating: TV Rating of the movie/show
Duration: Total Duration — in minutes or number of seasons
Listed_in: Genre
Description: The summary description

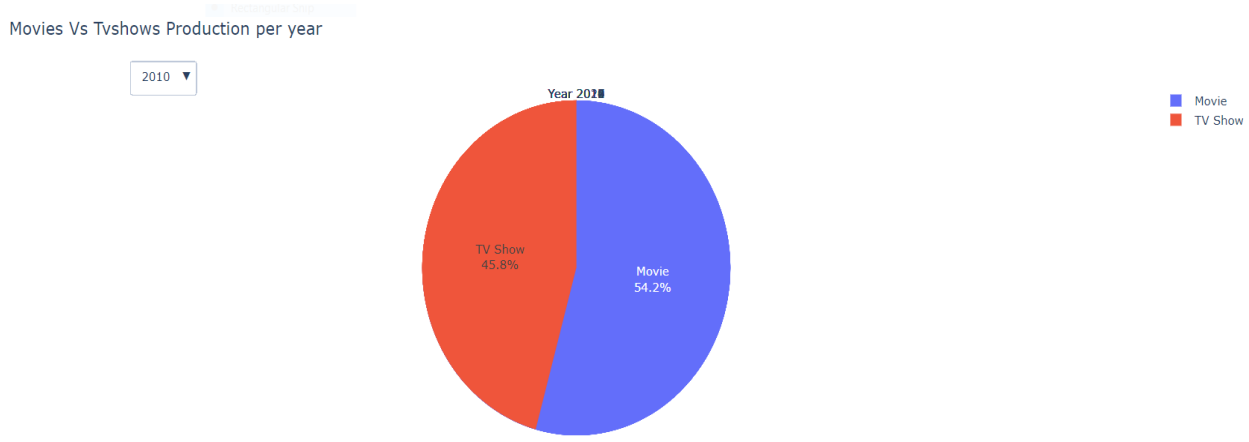
Description of the data:

Our dataset is pretty clean except for '**director**', '**cast**' and '**country**' columns. Since we need to provide insights aiming to flourish the business in different countries, we have to impute the values in '**director**', '**cast**' and '**country**' columns.

Now let's explore the Displaying of the most famous Products of Netflix:

Now let’s explore the Displaying of TV Shows and Movies Graphs for Netflix:

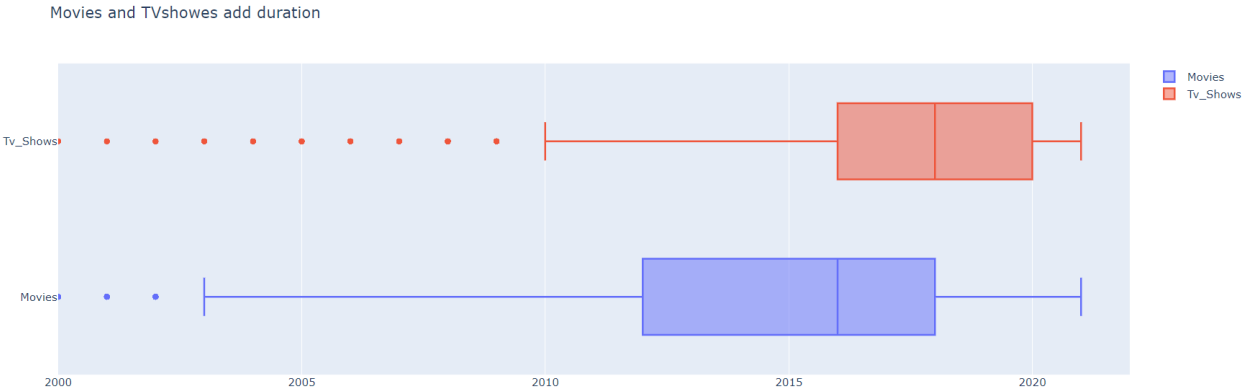
Productions per year:



Idiom: Pie Chart
Marks: 2D interlocking area
Channels: Blue and Red Color
Scale: 2
scalability: dozens of items , hundreds of value levels

Add duration:

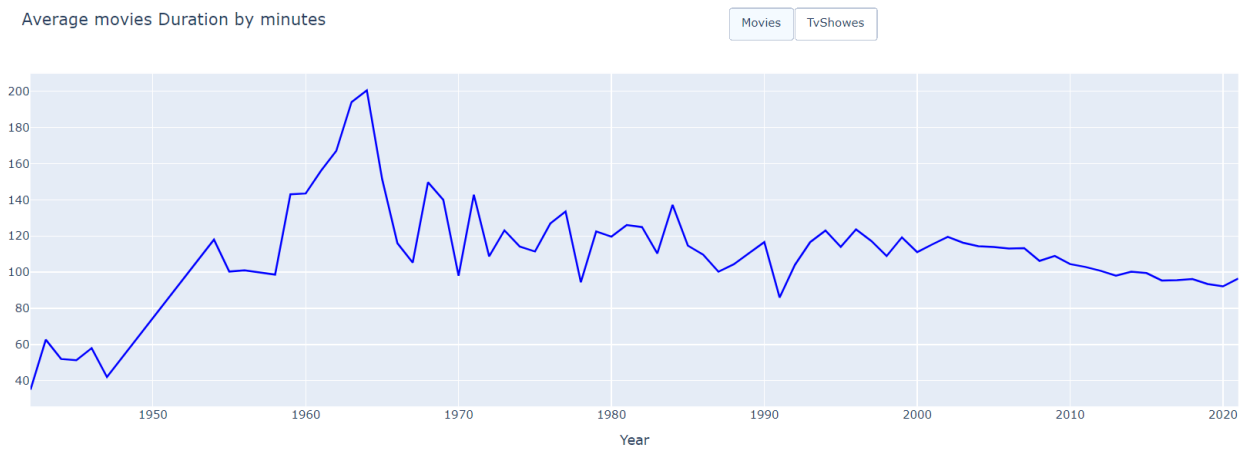
Movies and TV Shows ADD Duration



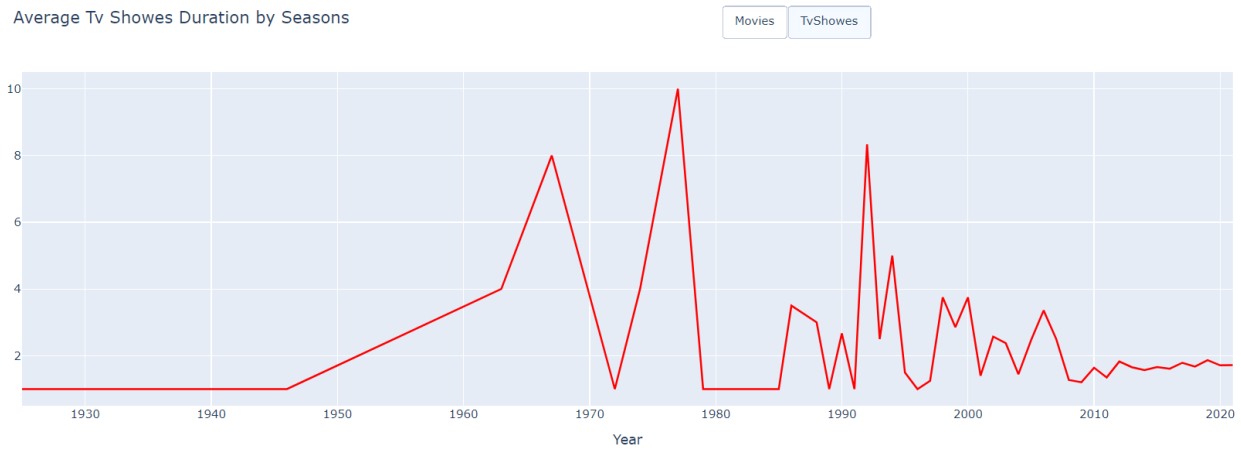
Idiom: Boxplot
Marks: 1D area, line, points
Channels: Blue and Red Color
Scale: 2
scalability: dozens of items , hundreds of value levels

Average Movies and TV Shows Duration by minutes, Seasons respectively:

Average Movies Duration by Minutes



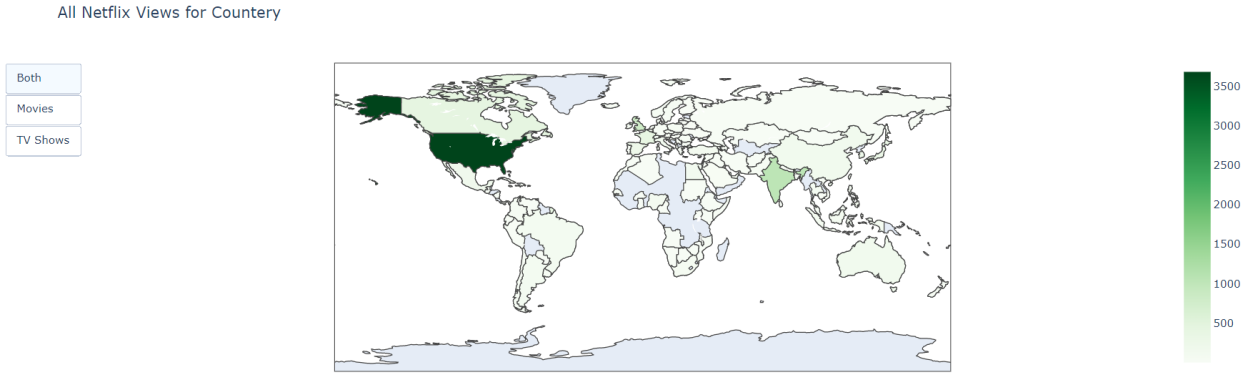
Average TV Shows Duration by Seasons



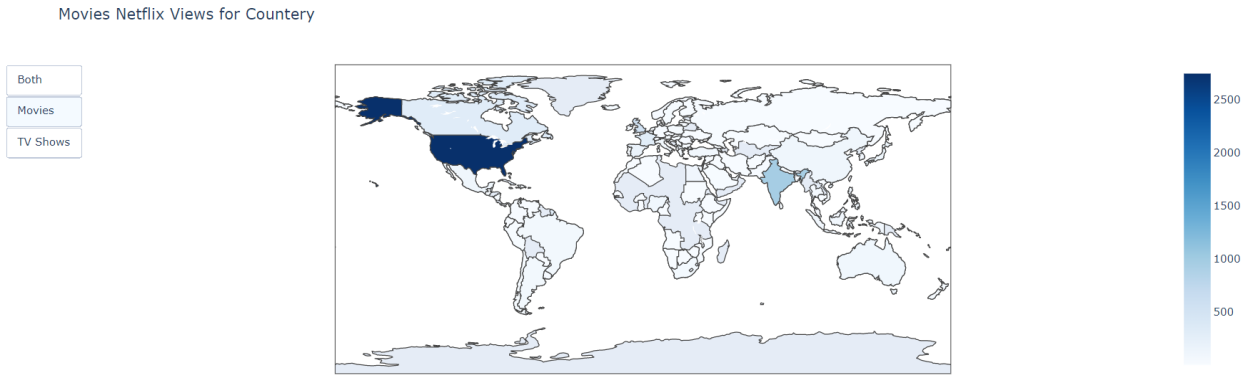
Idiom: Pie Chart
Marks: 2D interlocking area
Channels: Blue and Red Color
Scale: 2
scalability: dozens of items , hundreds of value levels

Movies VS TV Shows ChoroplethMap Production per country:

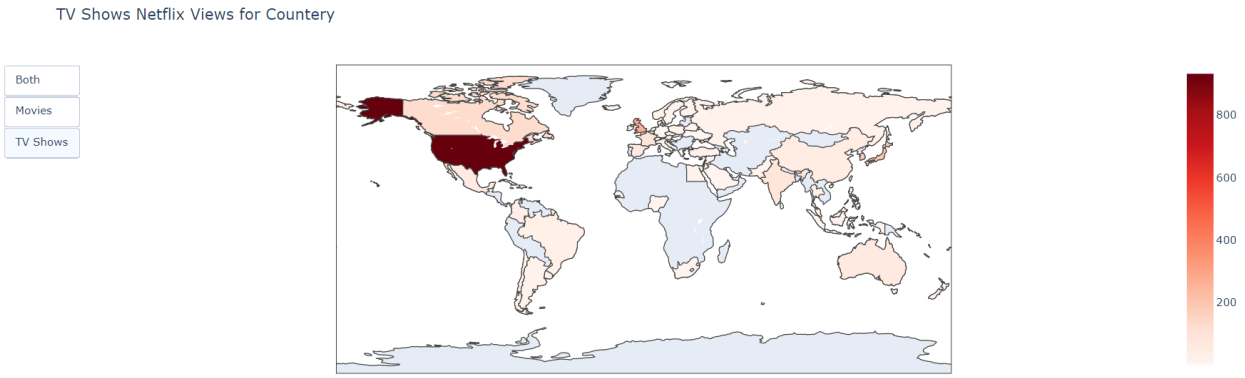
All Netflix Views for Country



Movies Netflix Views for Country



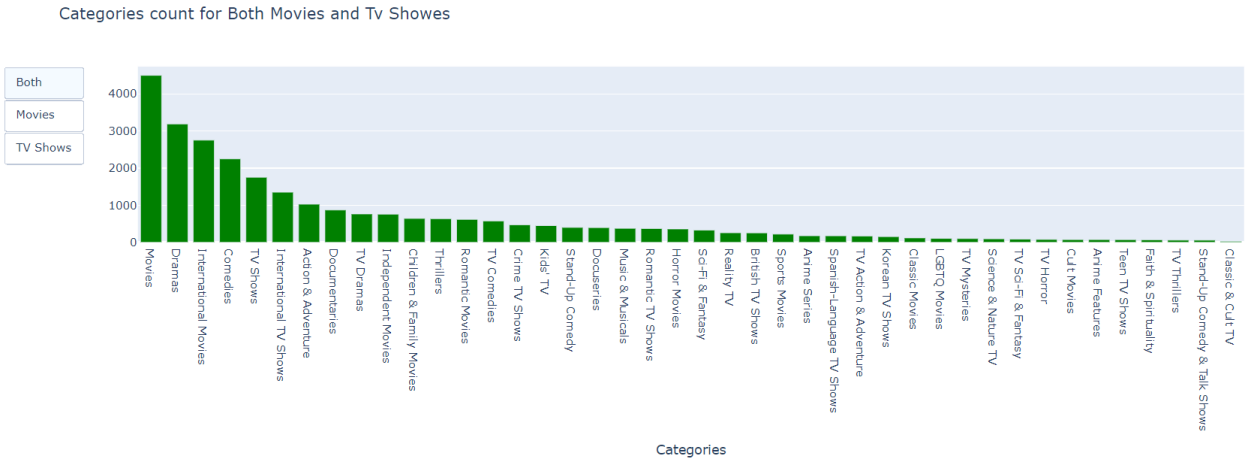
TV Shows Netflix Views for Country



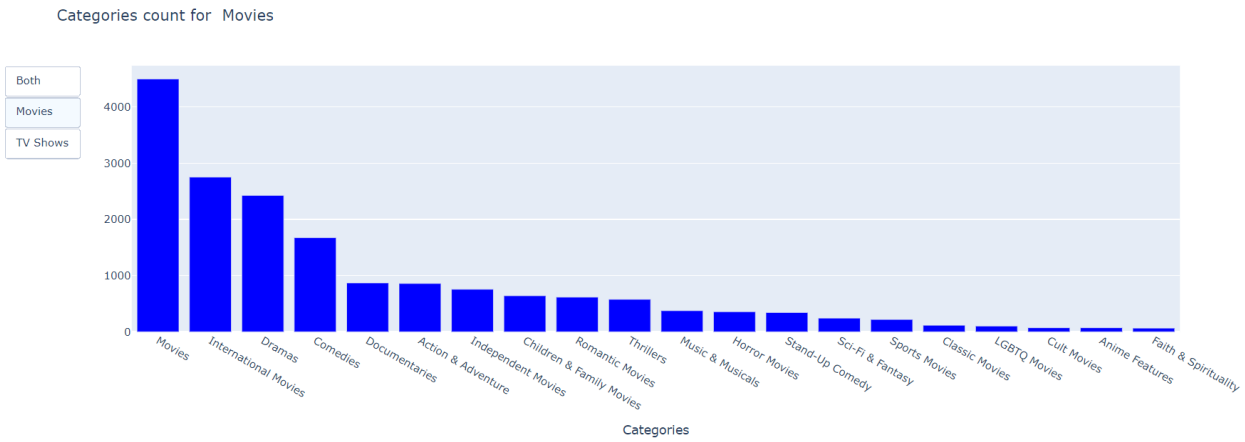
Idiom: Choropleth Map
Marks: Regions
Channels: Color luminance

let’s explore the Displaying of Categories count Graphs for Netflix:

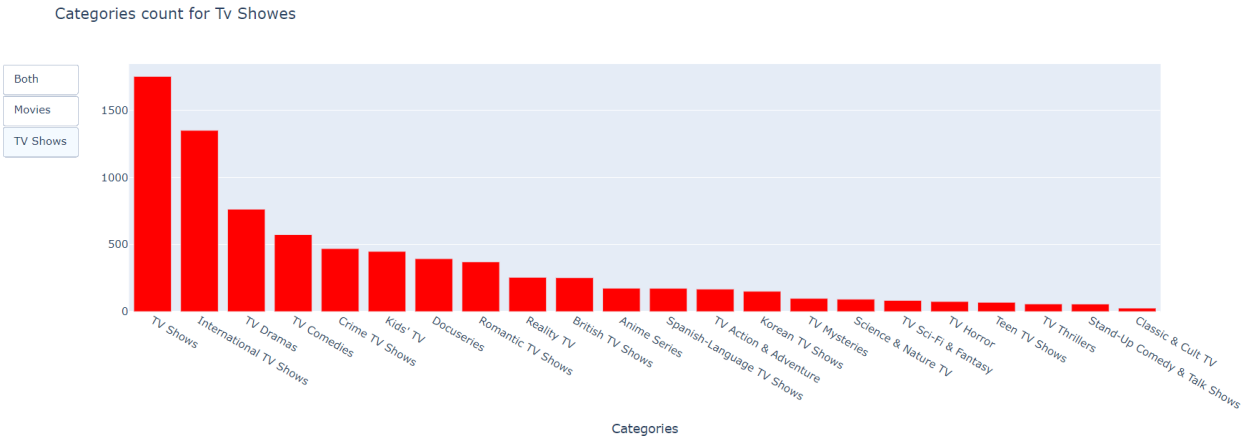
Categories Count Both Movies and TV Shows



Categories Count for Movies

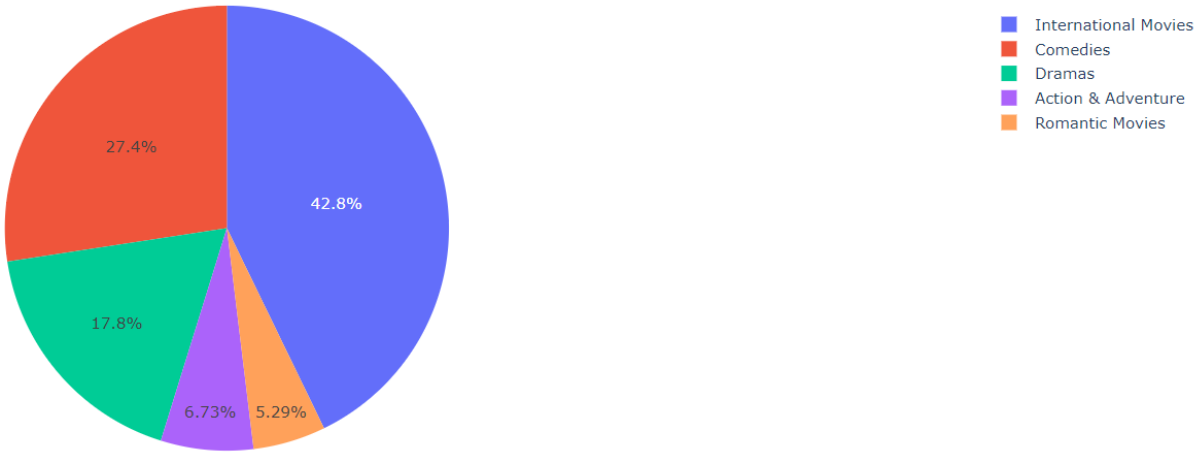


Categories Count for TV Shows



Idiom: Bar Chart
Marks: lines
Channels:
•length to express quant value
• spatial regions: one per mark
– separated horizontally, aligned vertically
– ordered by quant attributes
Scalability: dozens of items , hundreds of value levels

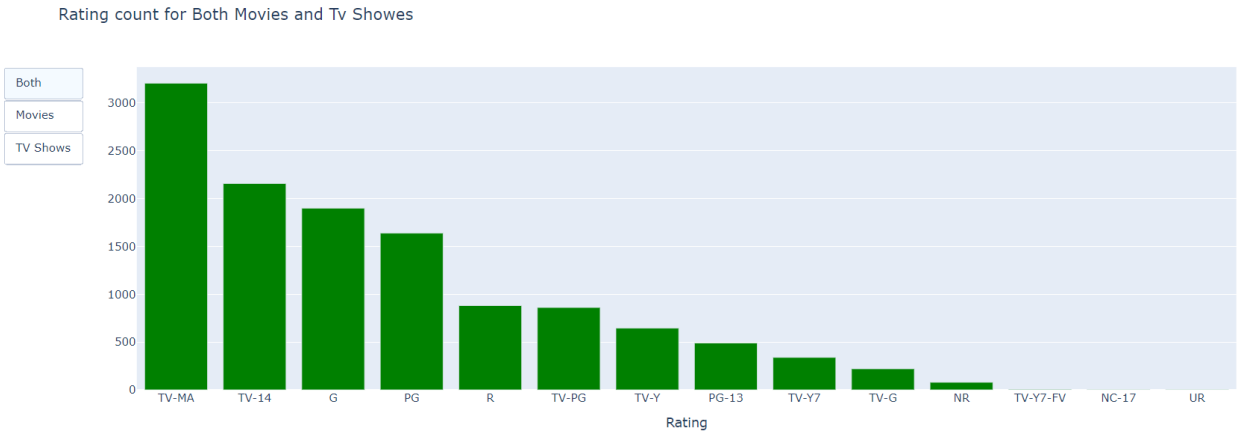
Movies Categories In Egypt



Idiom: Pie Chart
Marks: 2D interlocking area
Channels: Blue and Red Color
Scale: 2
Scalability: dozens of items , hundreds of value levels

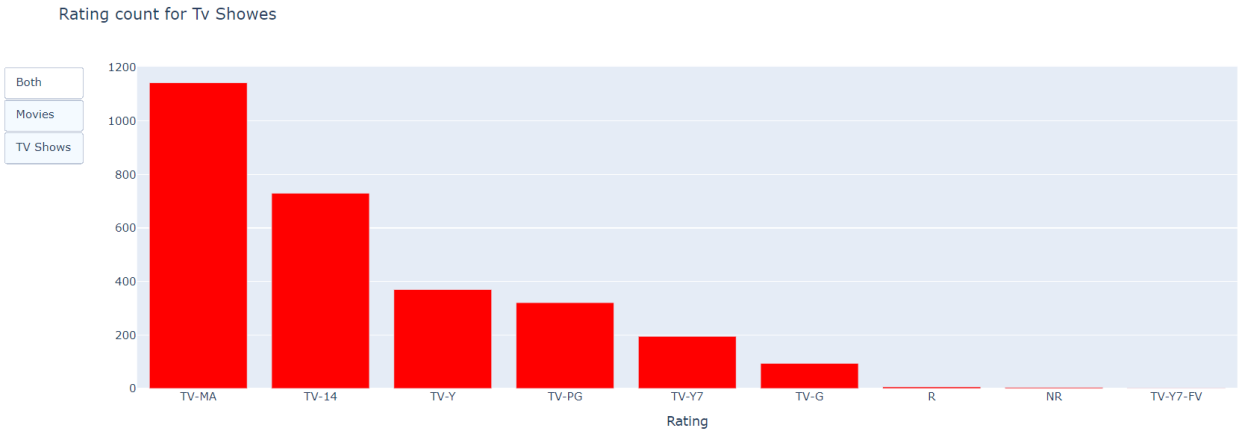
let's explore the Displaying of Ratings count Graphs for Netflix:

Rating Count For Both Movies and TV Shows



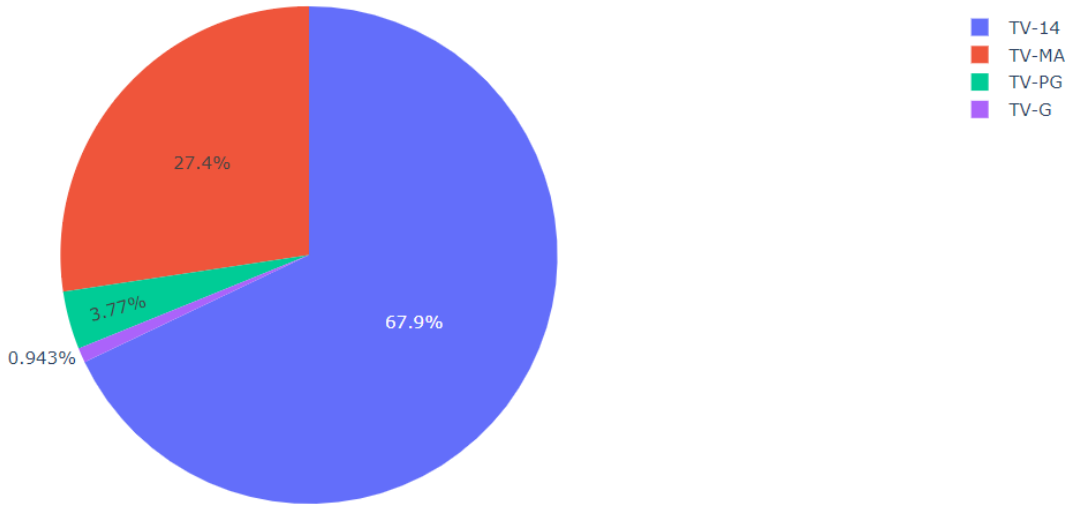
Rating Count For Movies

Rating Count For TV Shows



Idiom: Bar Chart
Marks: lines
Channels:
•length to express quant value
• spatial regions: one per mark
– separated horizontally, aligned vertically
– ordered by quant attributes
scalability: dozens of items , hundreds of value levels

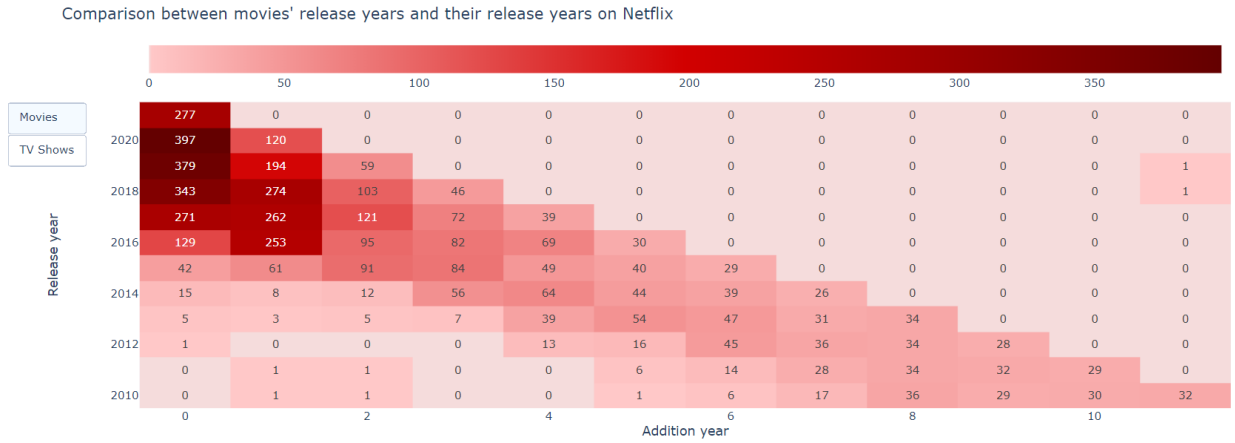
Rating Count for Movies in Egypt



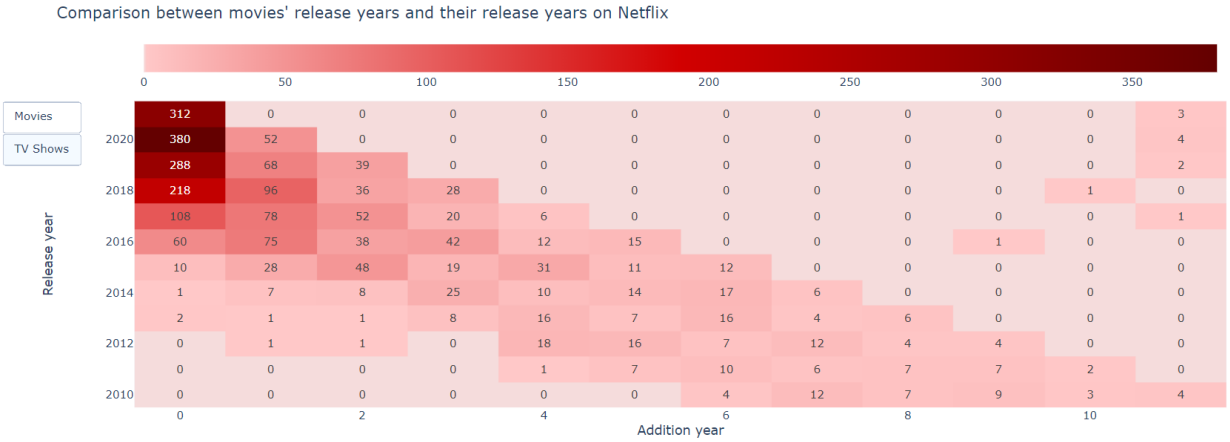
Idiom: Pie Chart
Marks: 2D interlocking area
Channels: Blue and Red Color
Scale: 2
scalability: dozens of items , hundreds of value levels

let's explore the Difference between release and addition year for Netflix:

Comparison Between Release Year And Their Addition Years on Netflix for Movies



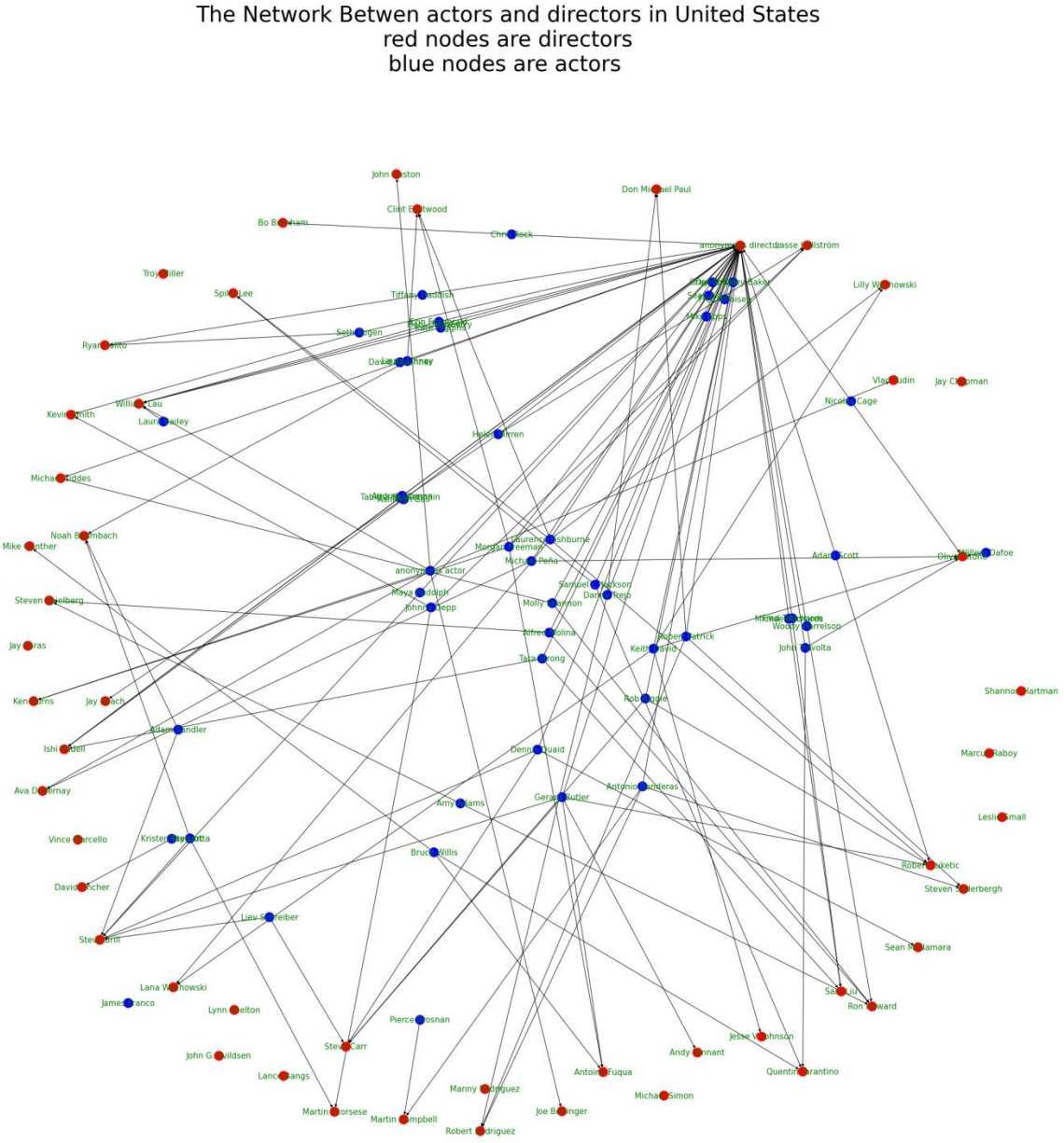
Comparison Between Release Year And Their Addition Years on Netflix for TV Shows



Idiom: Heat Map
Marks: separate and align in 2D matrix
– indexed by 2 categorical attributes
Channels: color by quant attributes
– (ordered diverging colormap)
Scale: 2
scalability: dozens of items , hundreds of value levels

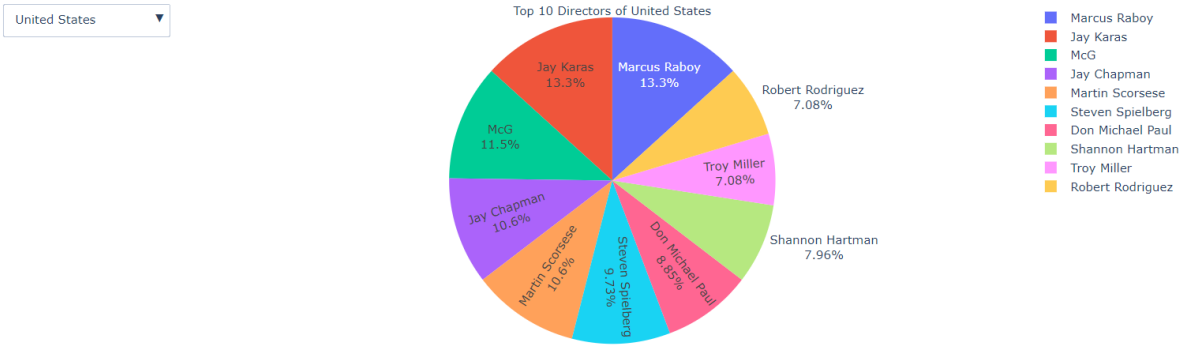
let’s explore Dircetors and cast Analysis for Netflix:

Dirctors and cast Network



Idiom: Network
Marks: Points & lines
Channels: Blue and Red Color ,Line conectivity
scalability: dozens of items , hundreds of value levels

Top Directors in each country



Idiom: Pie Chart
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Scale: 2
scalability: dozens of items , hundreds of value levels