

About Netflix:

Netflix is a global streaming entertainment platform that offers a wide variety of TV shows, movies, documentaries, and other content across various genres and languages. Founded in 1997 by Reed Hastings and Marc Randolph, Netflix started as a DVD rental-by-mail service before transitioning to a subscription-based online streaming platform.

Analysis:

Netflix data analysis involves examining and interpreting various aspects of Netflix's content, user behavior, and performance. This analysis can provide insights into viewership trends, content popularity, user preferences, and more

The Netflix dataset is from year 1925 to 2021 which contains all Movies, TV shows content available on Netflix OTT

Colab Link : https://colab.research.google.com/drive/17QqVdb-LRLi5_KyoHD27B-BusLRHOPC?scrollTo=BqF4iDNkBee3

```
In [1]: # importing necessary libraries
import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
import plotly.express as px

In [2]: df = pd.read_csv("https://d2be1qhq929f9.cloudfront.net/public_assets/assets/000/000/940/original/netflix.csv")
df

Out[2]:
```

| | show_id | id | type | title | director | cast | country | date_added | release_year | rating | duration | listed_in | description |
|------------------------|---------|---------|----------------------|-----------------|--|---------------|--------------------|------------|--------------|-----------|---|--|-------------|
| 0 | s1 | Movie | Dick Johnson Is Dead | Kirsten Johnson | NaNa | United States | September 25, 2021 | 2020 | PG-13 | 90 min | Documentaries | As her father nears the end of his life, filmm... | |
| 1 | s2 | TV Show | Blood & Water | NaNa | Ama Qamata, Khosi Ngema, Gail Mabasa, Thab... | South Africa | September 24, 2021 | 2021 | TV-MA | 2 Seasons | International TV Shows, TV Dramas, TV Mysteries | After crossing paths at a party, a Cape Town L... | |
| 2 | s3 | TV Show | Ganglands | Julien Leclercq | Sami Bouajila, Tracy Gotsas, Samuel Jouy, Nabil... | NaNa | September 24, 2021 | 2021 | TV-MA | 1 Season | Crime TV Shows, International TV Shows, TV Act... | To protect his family from a powerful drug lor... | |
| 3 | s4 | TV Show | Jalbirds New Orleans | NaNa | NaNa | NaNa | September 24, 2021 | 2021 | TV-MA | 1 Season | Docuseries, Reality TV | Feuds, flirtations and toilet talk go down emou... | |
| 4 | s5 | TV Show | Kota Factory | NaNa | Mayur More, Jyendra Kumar, Ranjan Raj, Alan K... | India | September 24, 2021 | 2021 | TV-MA | 2 Seasons | International TV Shows, Romantic TV Shows, TV ... | In a city of coaching centers known to train I... | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| 8802 | s8803 | Movie | Zodiac | David Fincher | Mark Ruffalo, Jake Gyllenhaal, Robert Downey Jr. | United States | November 20, 2019 | 2007 | R | 158 min | Out Movies, Dramas, Thrillers | A political cartoonist, a crime reporter and a... | |
| 8803 | s8804 | TV Show | Zombie Dumb | NaNa | NaNa | NaNa | July 1, 2019 | 2018 | TV-Y7 | 2 Seasons | Kids' TV, Korean TV Shows, TV Comedies | While living alone in a spooky town, a young g... | |
| 8804 | s8805 | Movie | Zombieland | Ruben Fleischer | Jesse Eisenberg, Woody Harelston, Emma Stone, ... | United States | November 1, 2019 | 2009 | R | 88 min | Comedies, Horror Movies | Looking to survive in a world taken over by zo... | |
| 8805 | s8806 | Movie | Zoom | Peter Hewitt | Tim Allen, Courteney Cox, Chew Chase, Kate Ma... | United States | January 11, 2020 | 2006 | PG | 88 min | Children & Family Movies, Comedies | Dragged from civilian life, a former superhero... | |
| 8806 | s8807 | Movie | Zubeen | Mozor Singh | Vicky Kaushal, Sarah-Jane Dias, Raaghav Chanen... | India | March 2, 2019 | 2015 | TV-14 | 111 min | Dramas, International Movies, Music & Musicals | A scrappy but poor boy worms his way into a ty... | |
| 8807 rows x 12 columns | | | | | | | | | | | | | |

```
In [3]: df.shape
Out[3]: (8807, 12)
```

There are 8807 rows and 12 columns in the dataset

```
In [4]: df.columns
Out[4]: Index(['show_id', 'id', 'type', 'title', 'director', 'cast', 'country', 'date_added', 'release_year', 'rating', 'duration', 'listed_in', 'description'], dtype='object')
```

These are the 12 columns in the dataset

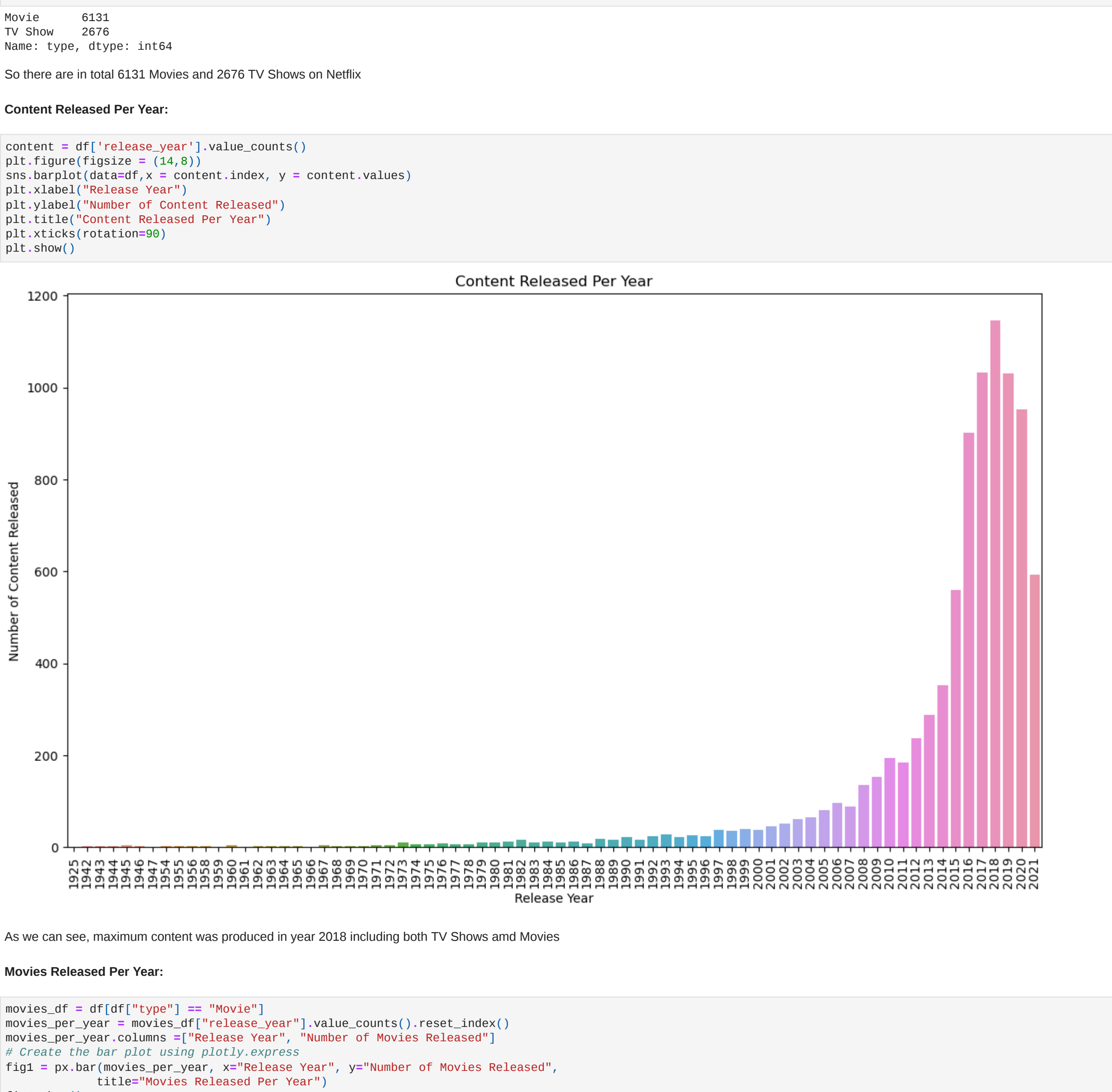
```
In [5]: df.groupby("type")["release_year"].min()
Out[5]: type
Movie      1942
TV Show    1925
Name: release_year, dtype: int64
```

```
In [6]: df.groupby("type")["release_year"].max()
Out[6]: type
Movie      2021
TV Show    2021
Name: release_year, dtype: int64
```

```
In [7]: df["type"].value_counts()
Out[7]: type
Movie      6131
TV Show    2676
Name: type, dtype: int64
```

So there are in total 6131 Movies and 2676 TV Shows on Netflix

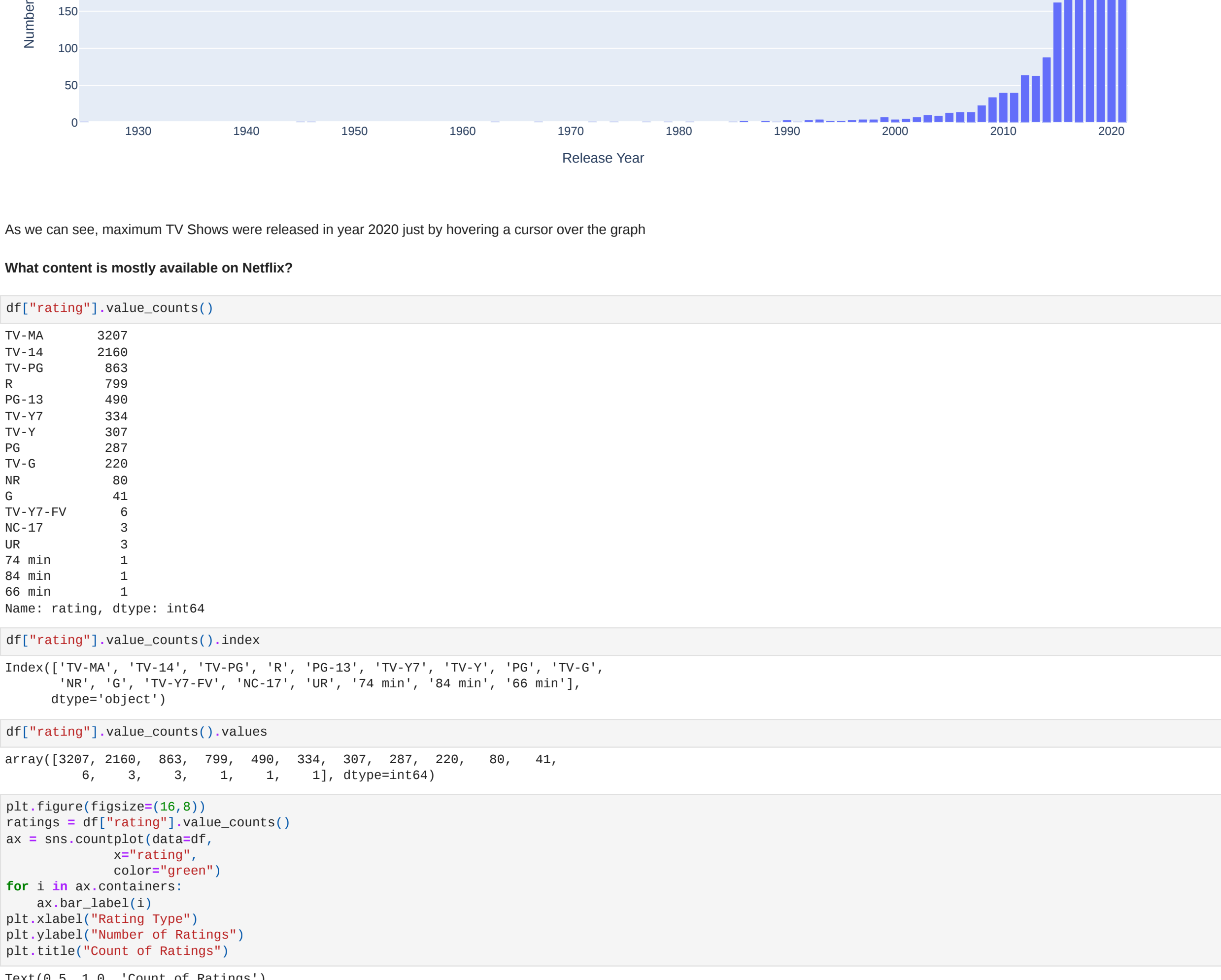
Content Released Per Year:



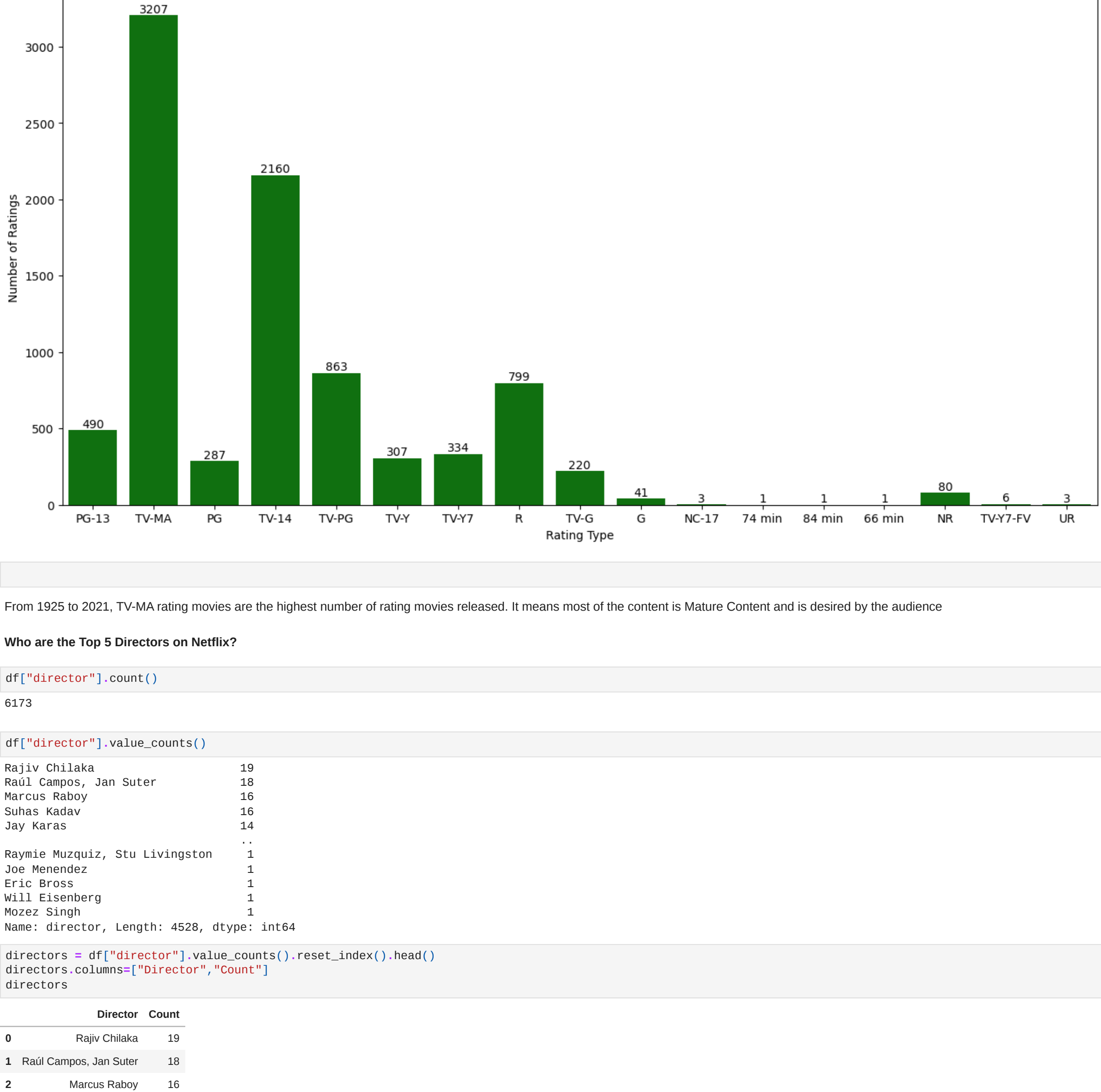
Movies Released Per Year:



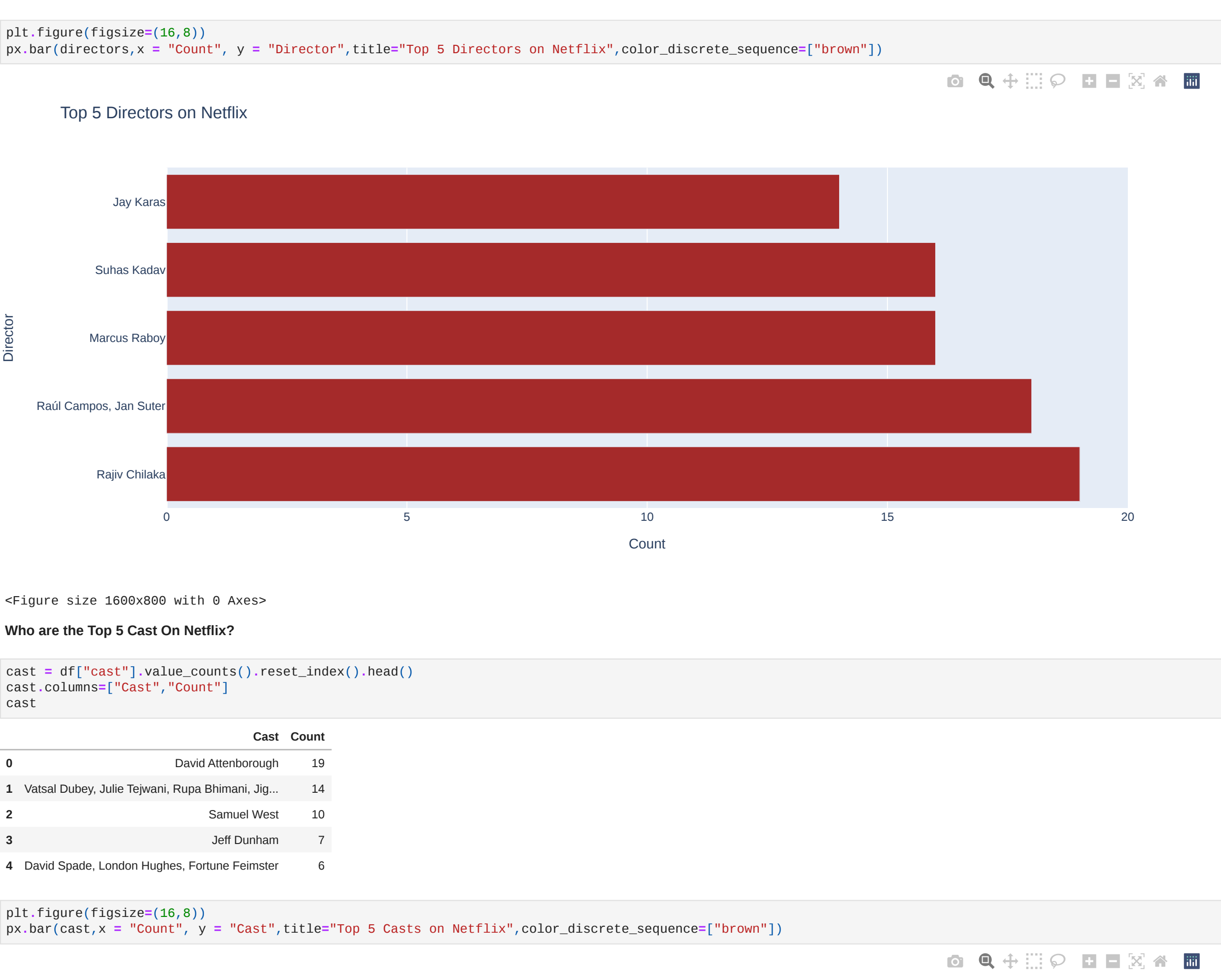
TV Shows Released per Year:



What content is mostly available on Netflix?



Who are the Top 5 Directors on Netflix?



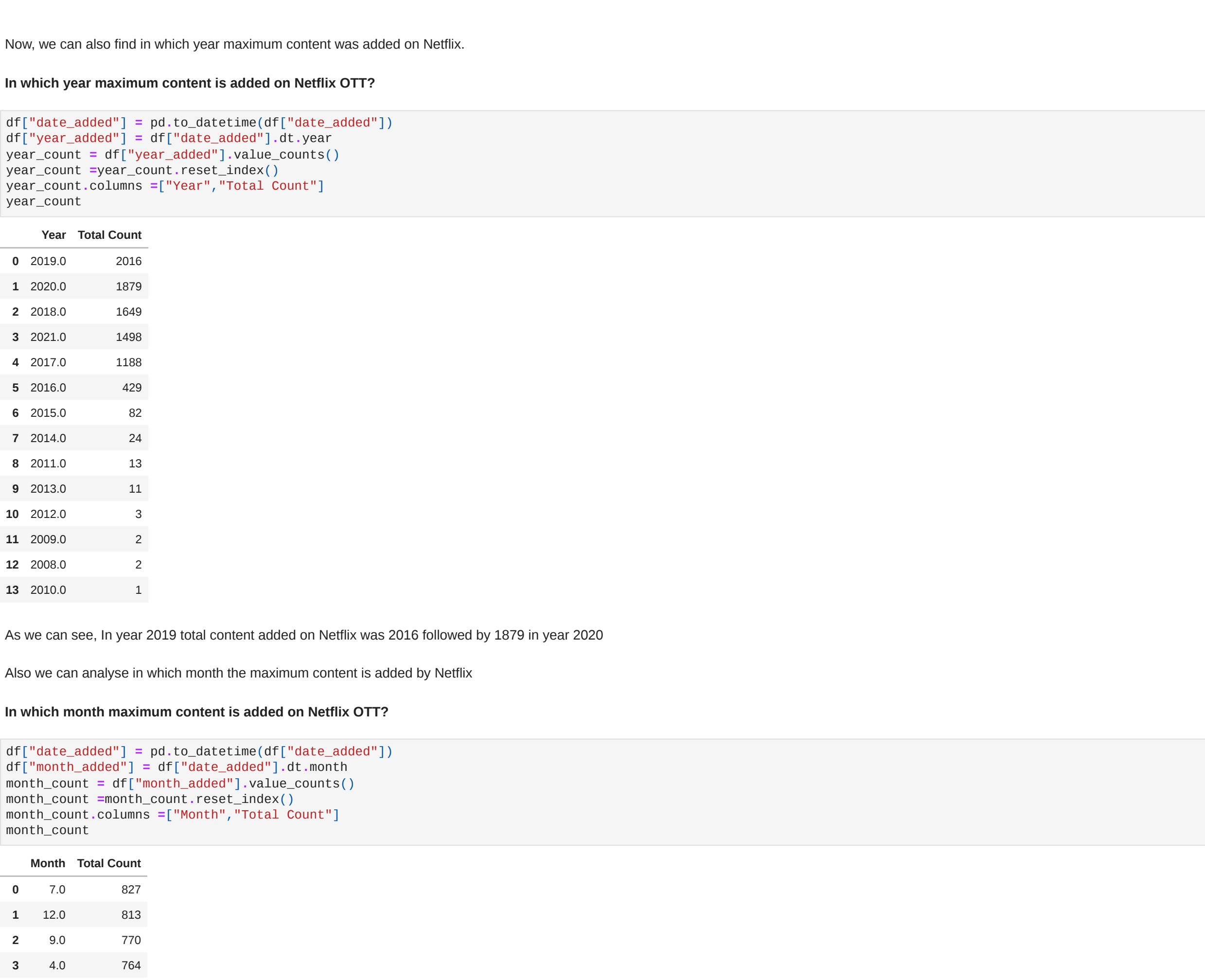
Who are the Top 5 Cast on Netflix?



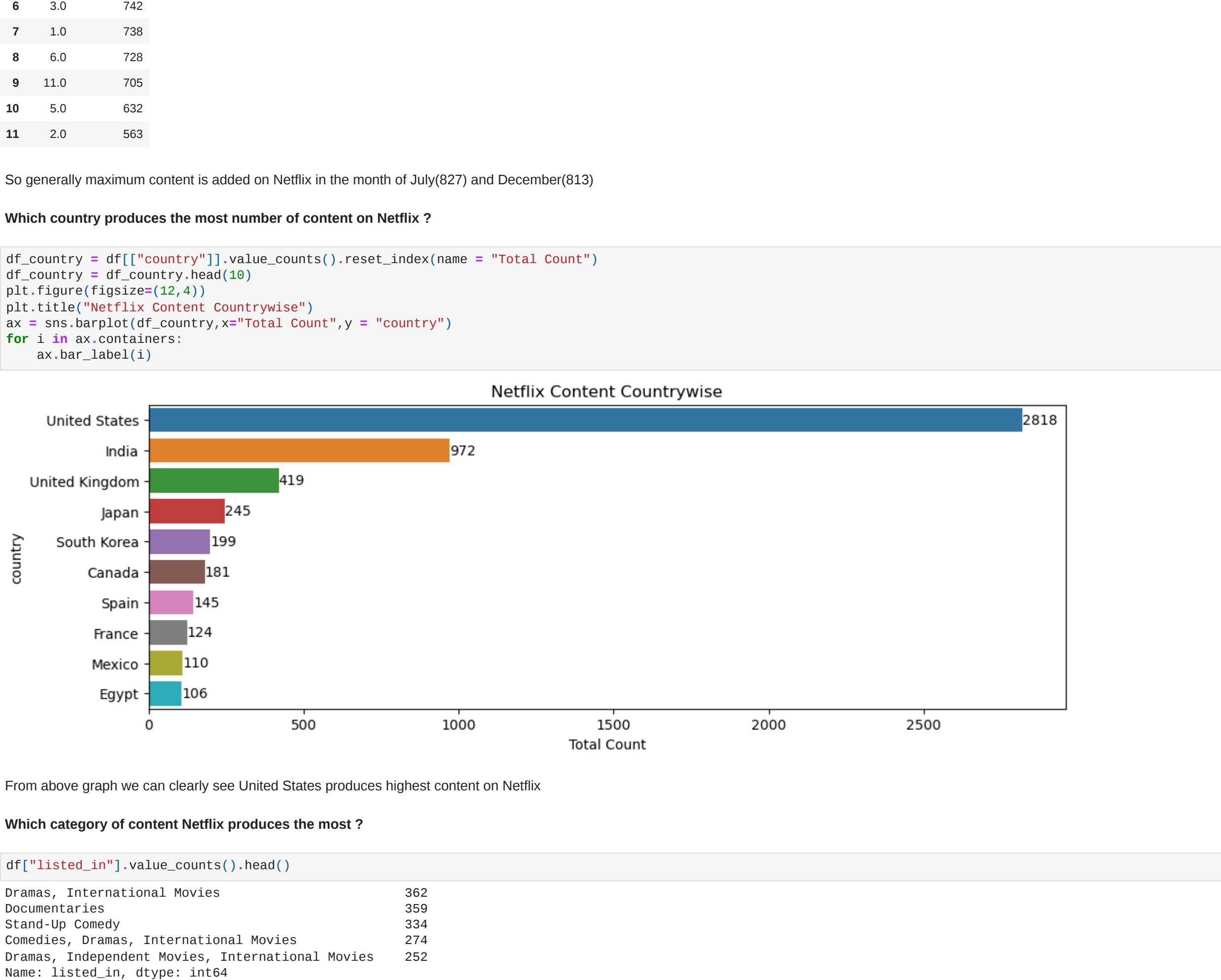
Analyzing Content on Netflix:

The next thing to analyze from this data is the trend of production over the years on Netflix:

How release year of Movies and TV shows vary by year?



Which country produces the most number of content on Netflix ?



Which category of content Netflix produces the most ?

