Data Viz FINAL!

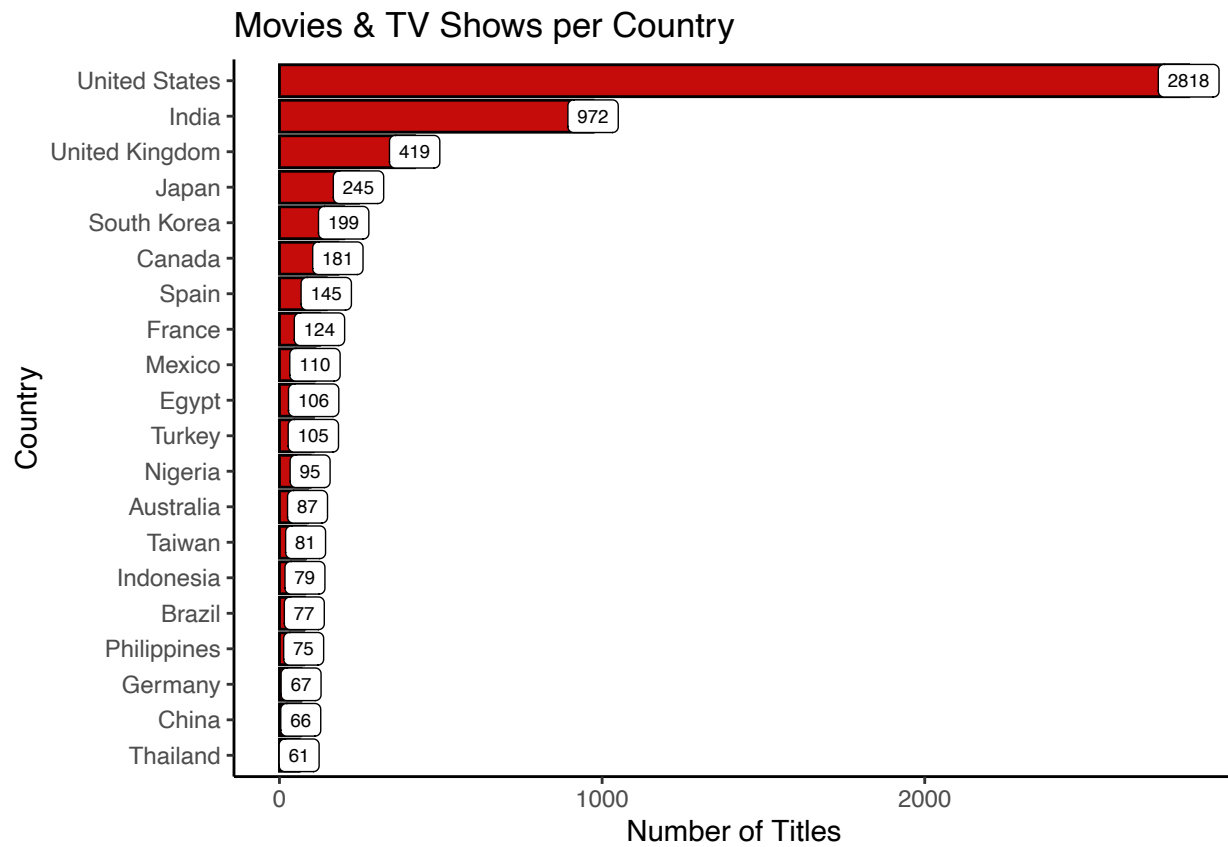## Data Visualization (STAT 302)

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Contents

Introduction:

As an avid Netflix consumer and lover of entertainment, I examined data about the titles available of Netflix. Throughout these visualizations, I explore the relative amounts of Movies vs TV Shows, and then compare specific variables between the two such as "listed_in" and "duration". I created two distinct visualizations displaying the streaming availability around the world. I extract specific variables such as "date_added" and "country" to explore metrics and changes over time. Throughout my seven explorations, I will highlight key data and statistics about the content on Netflix Data source: https://www.kaggle.com/shivamb/netflix-shows**

Visualization 1: Total Movies & TV Shows per Country

Q1: What Countries have the most content? Is there a large disparity?

```
countries_plot
```

Movies & TV Shows per Country

Country	Number of Titles
United States	2818
India	972
United Kingdom	419
Japan	245
South Korea	199
Canada	181
Spain	145
France	124
Mexico	110
Egypt	106
Turkey	105
Nigeria	95
Australia	87
Taiwan	81
Indonesia	79
Brazil	77
Philippines	75
Germany	67
China	66
Thailand	61

Plot 1b. World Map of Available content

```
netflix_world_map
```
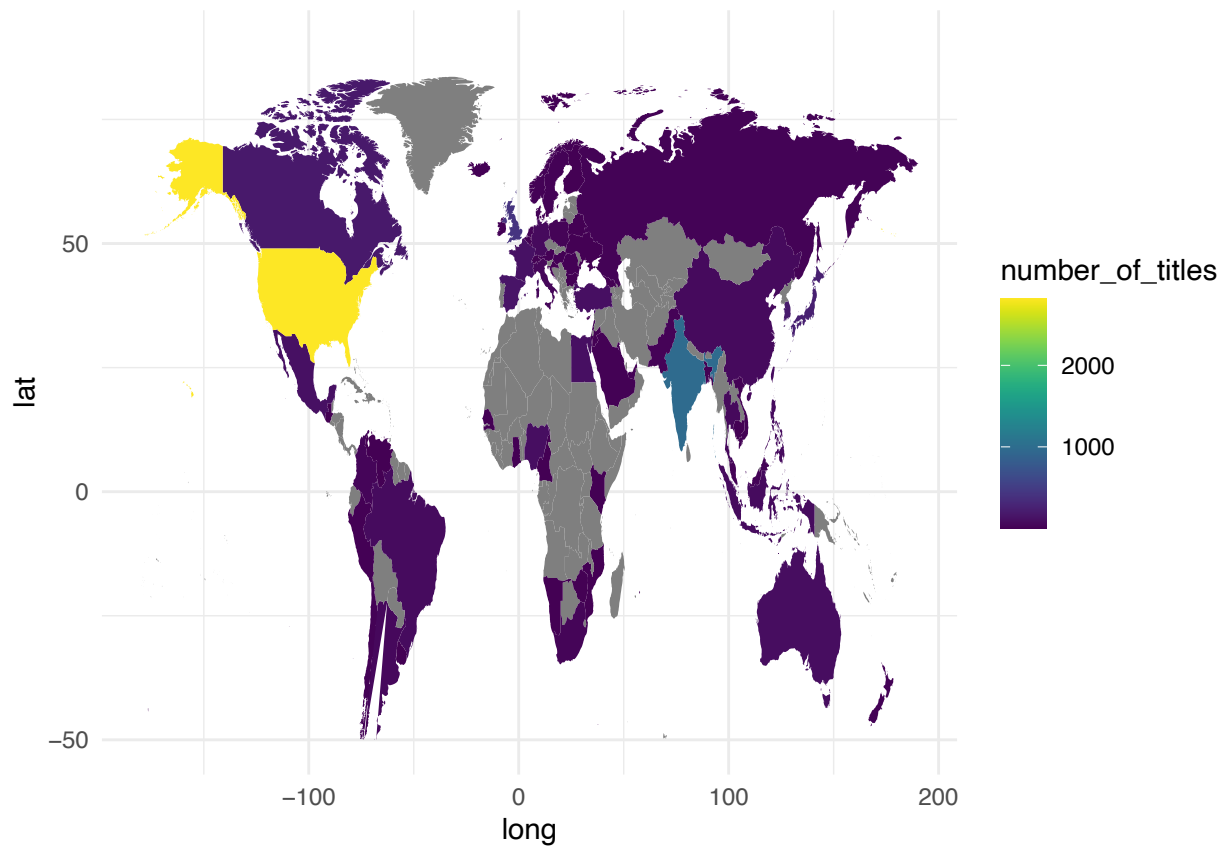
Visualization 2: Movies vs TV shows

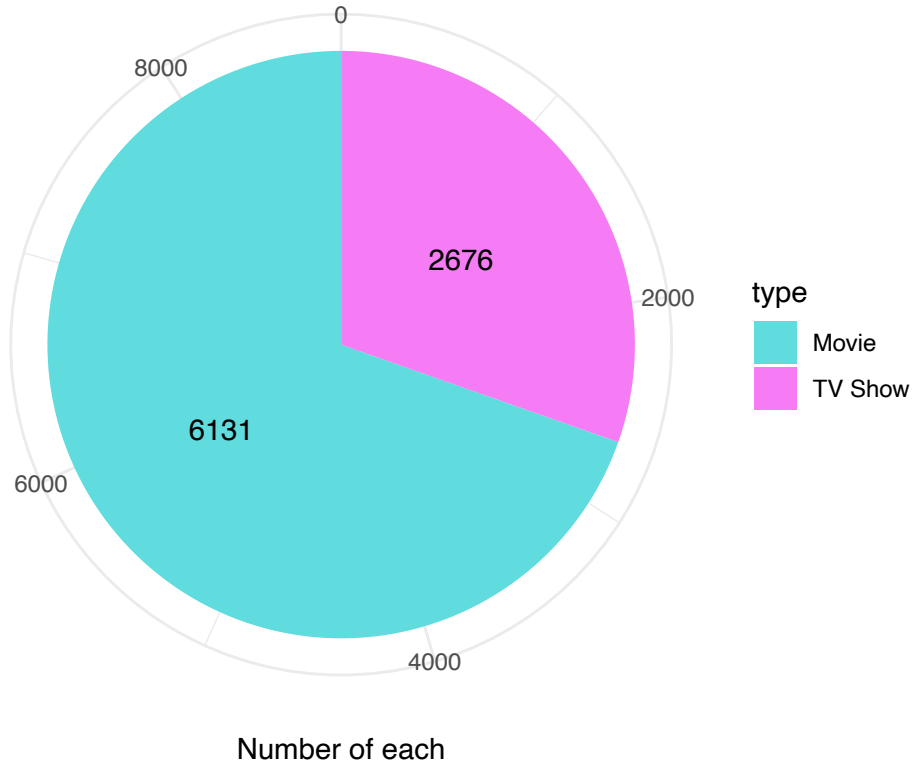**Q2. Does Netflix have more Movies or TV Shows? What is the difference?**

```
Amount_MvT
```

```
## # A tibble: 2 x 2
##   type     number_of_each
##   <chr>             <int>
## 1 Movie              6131
## 2 TV Show            2676
```

```
MvT_plot
```

Netflix: Amount of Movies vs TV shows

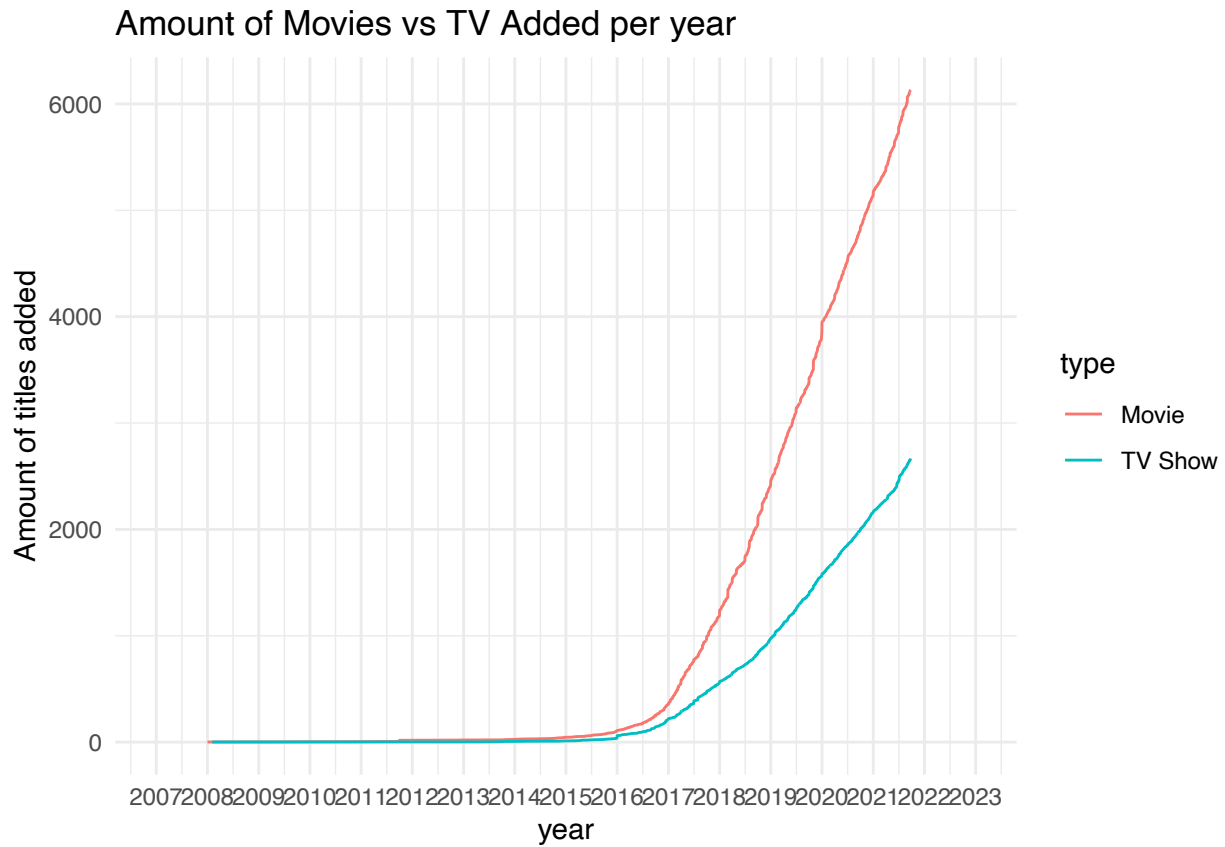Number of each

Visualization 3: Amount of titles over time

Q3. How many titles get added each year? Has it been increasing or decreasing over time?
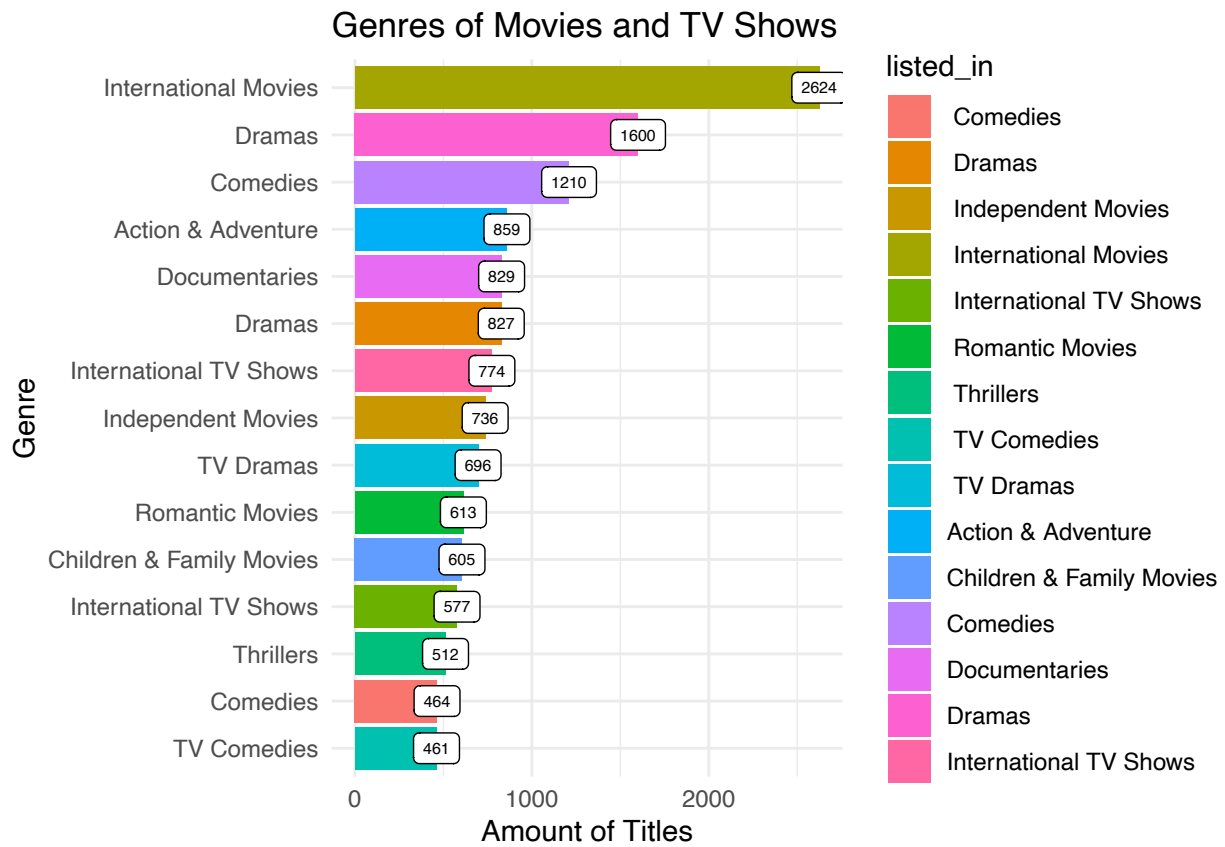
```
added_plot
```

Amount of Movies vs TV Added per year
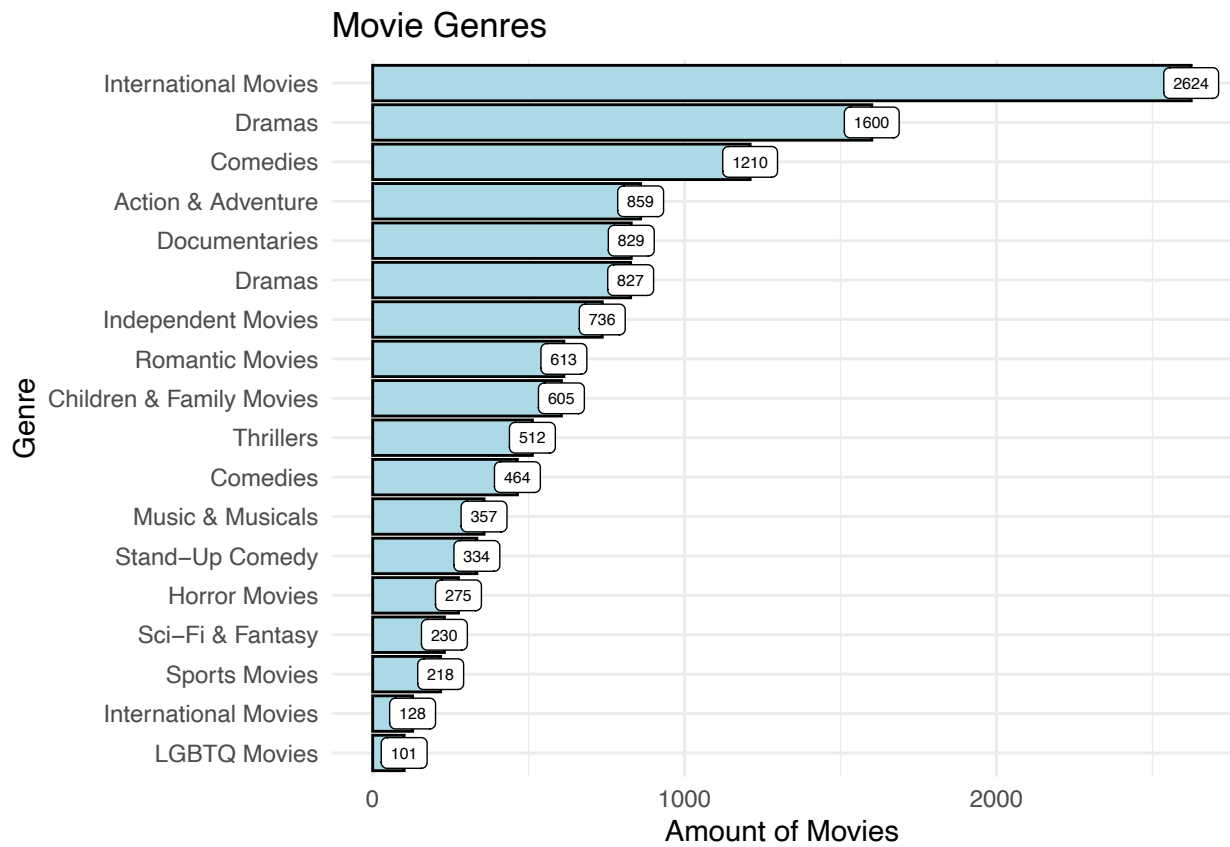
Visualization 4: Genres of Movies and TV Shows

Q4. What are the most common genres of Netflix? Are the Genres different for Movies vs TV Shows?

MvT_Genres

Genres of Movies and TV Shows

Plot 4b: Genres of Movies vs TV Shows (compared)

Movie_Genres

Movie Genres

TV_Genres

TV Show Genres

Genre	Amount of Shows
International TV Shows	774
TV Dramas	696
International TV Shows	577
TV Comedies	461
Crime TV Shows	399
Kids' TV	388
Romantic TV Shows	338
British TV Shows	253
Docuseries	221
Anime Series	176
Docuseries	174
Spanish–Language TV Shows	172
Korean TV Shows	151
Reality TV	135
TV Action & Adventure	128
TV Comedies	120
Reality TV	120
TV Mysteries	98

Visualization 5: Release Date vs Date Added
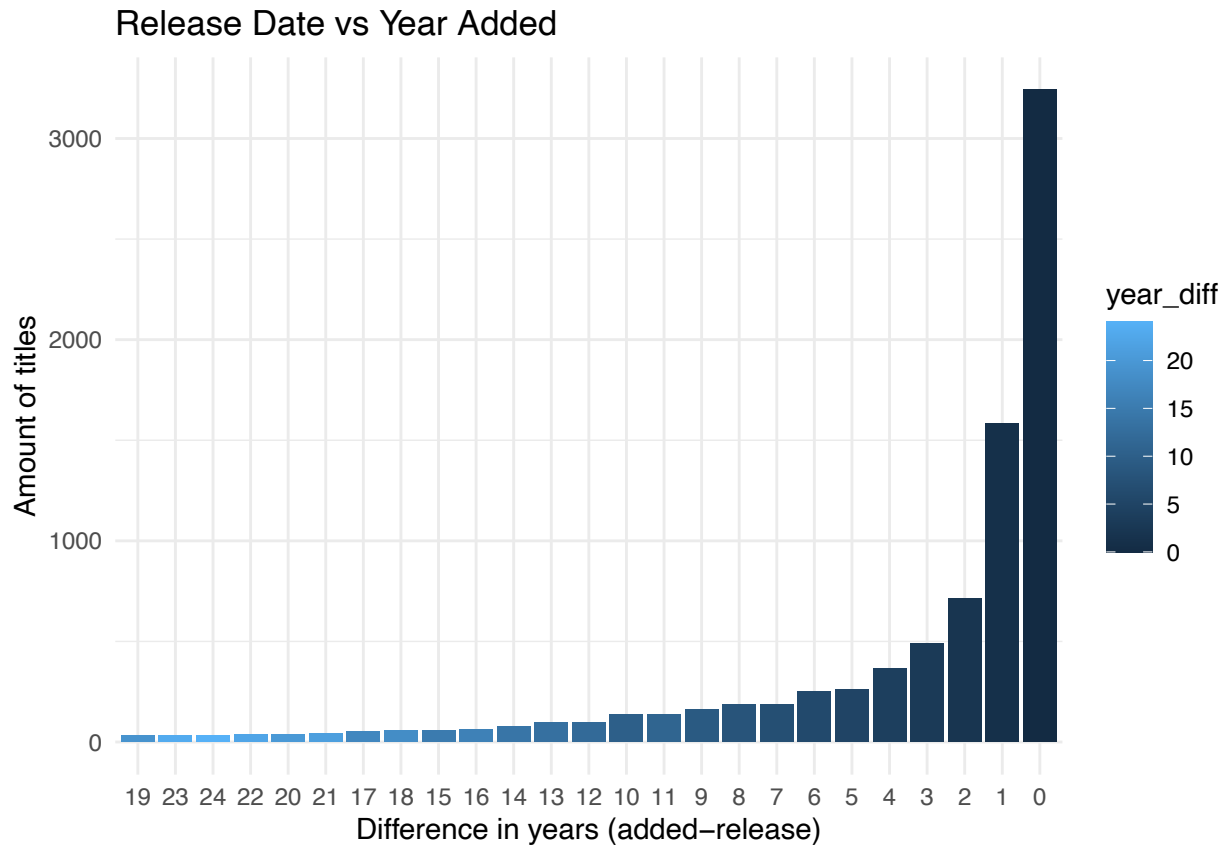
Q5. How long after something is released is it added to Netflix? Is it usually within the year?
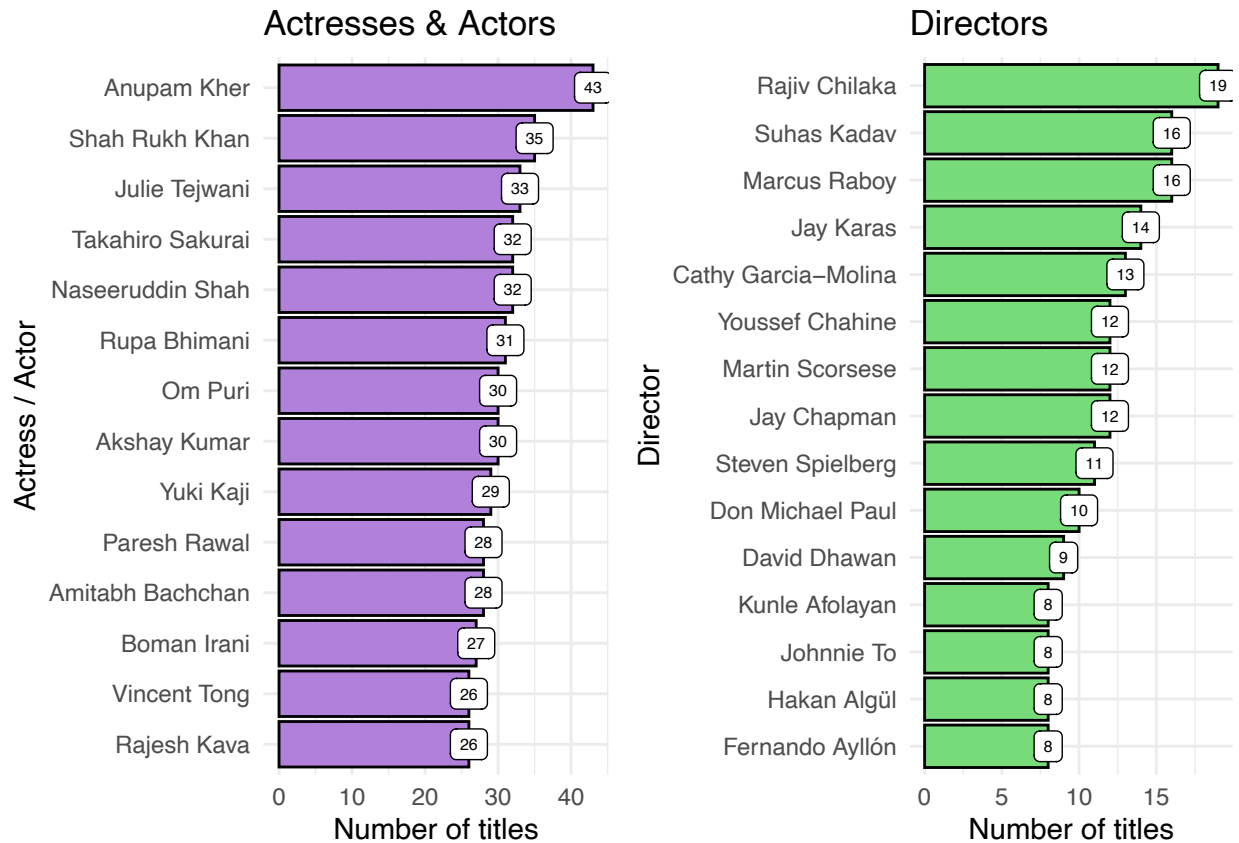
`netflix_dates2`

Release Date vs Year Added

Visualization 6: Notable Directors & Actresses/Actors

Q6. Who are the most frequence Directors on Netflix? With how many films? Who are the most frequent Actresses and Actors?

```
plot_grid(actors_plot, directors)
```

Actresses & Actors

Actress / Actor	Number of titles
Anupam Kher	43
Shah Rukh Khan	35
Julie Tejwani	33
Takahiro Sakurai	32
Naseeruddin Shah	32
Rupa Bhimani	31
Om Puri	30
Akshay Kumar	30
Yuki Kaji	29
Paresh Rawal	28
Amitabh Bachchan	28
Boman Irani	27
Vincent Tong	26
Rajesh Kava	26

Directors

Director	Number of titles
Rajiv Chilaka	19
Suhas Kadav	16
Marcus Raboy	16
Jay Karas	14
Cathy Garcia–Molina	13
Youssef Chahine	12
Martin Scorsese	12
Jay Chapman	12
Steven Spielberg	11
Don Michael Paul	10
David Dhawan	9
Kunle Afolayan	8
Johnnie To	8
Hakan Algül	8
Fernando Ayllón	8

Visualization 7. TV Shows with the most seasons

Q7. Which TV shows on netflix have the most seasons? How many seasons are there of that show?

```
netflix_seasons
```

Longest Running TV Shows