



EDA on Global Netflix Dataset

- AGENDA
 1. Backstory
 2. Goals
- Is it true Netflix movies/TV shows usually has a ~6.0 IMDb rating?
- How about the variety and diversity of the content?
- What are the most common genres?
- When is the best time to subscribe?
- Any recommendations?



EDA on Global Netflix Dataset

- AGENDA
 1. Backstory
 2. Goals
 3. Tools
 4. Preprocessing
 5. Result
 6. Future Work
- Used SQLite, Spyder, Jupyter Notebook, Python.
- Libraries: Numpy and Pandas for data manipulation and Matplotlib and Seaborn for plotting.

4. Preprocessing

- Joined multiple datasets.
- Checked for inconsistency in columns.
- Removed duplicates and some outliers.
- Dropped unnecessary columns and renamed others.
- Filled some null values and dropped others.

Started with Netflix Dataset (12 X 8807)

Show_id	Type	Title	Director	Cast	Country	Date_added	Release_year	Rating	Duration	Listed_in	Description
s1	Movie	Dick Johnson Is Dead	Kirsten Johnson	NaN	United States	Sep 25, 2021	2020	PG-13	90 min	Documentaries	As her father nears the end...

Reduced to (7 X 8807)

Type	Title	Country	Date_added	Release_year	Rating	Listed_in
Movie	Dick Johnson Is Dead	United States	Sep 25, 2021	2020	PG-13	Documentaries



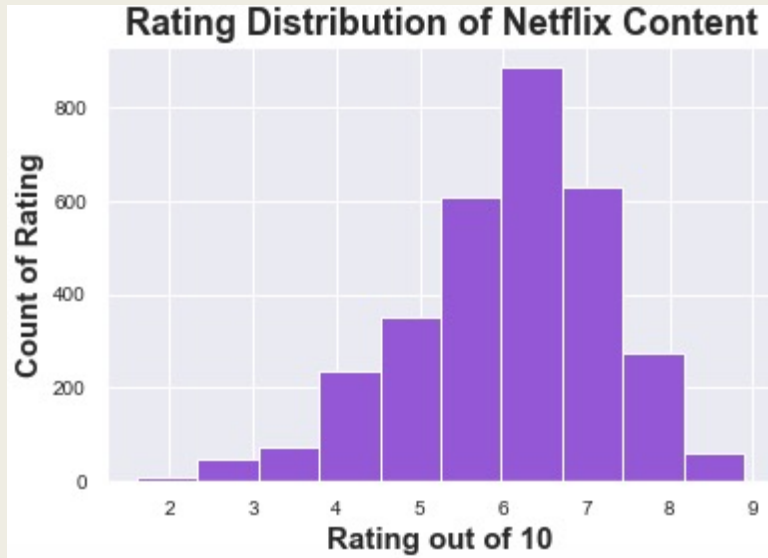
IMDb Datasets (3 X 85855)

IMDb_title_id	Weighted_average_vote	OriginalTitle
tt0000009	5.9	Dick Johnson Is Dead

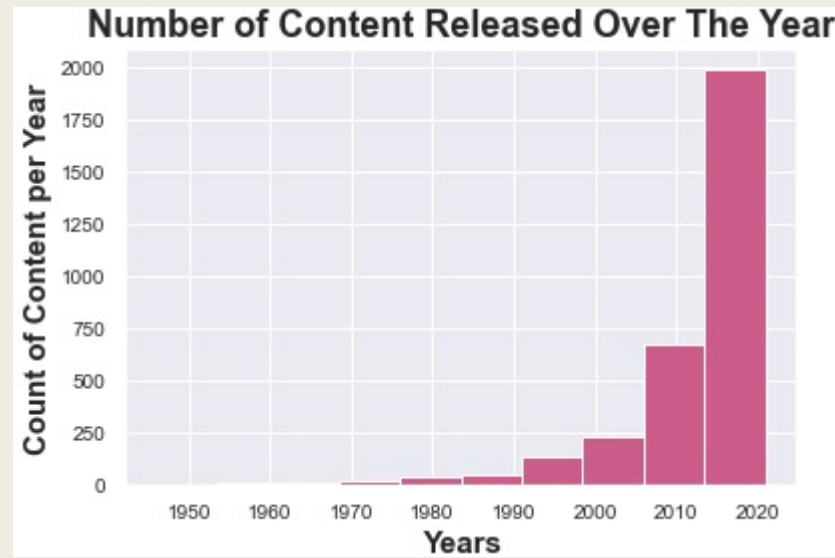


Final Working Dataset (8 X 3177)

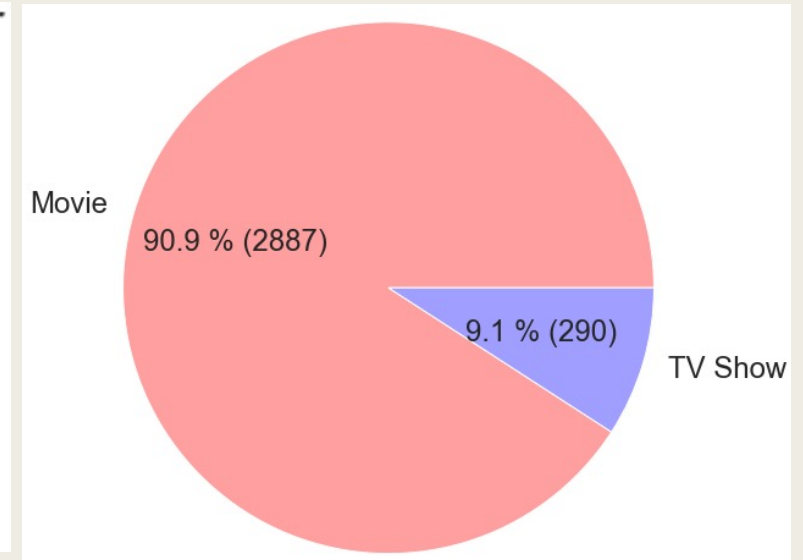
Type	Title	Country	Date_added	Release_year	Rating	Genre	Weighted_average_vote
Movie	Dick Johnson Is Dead	United States	Sep 25, 2021	2020	PG-13	Documentaries	5.9



Normally distributed
~left skewed-ish



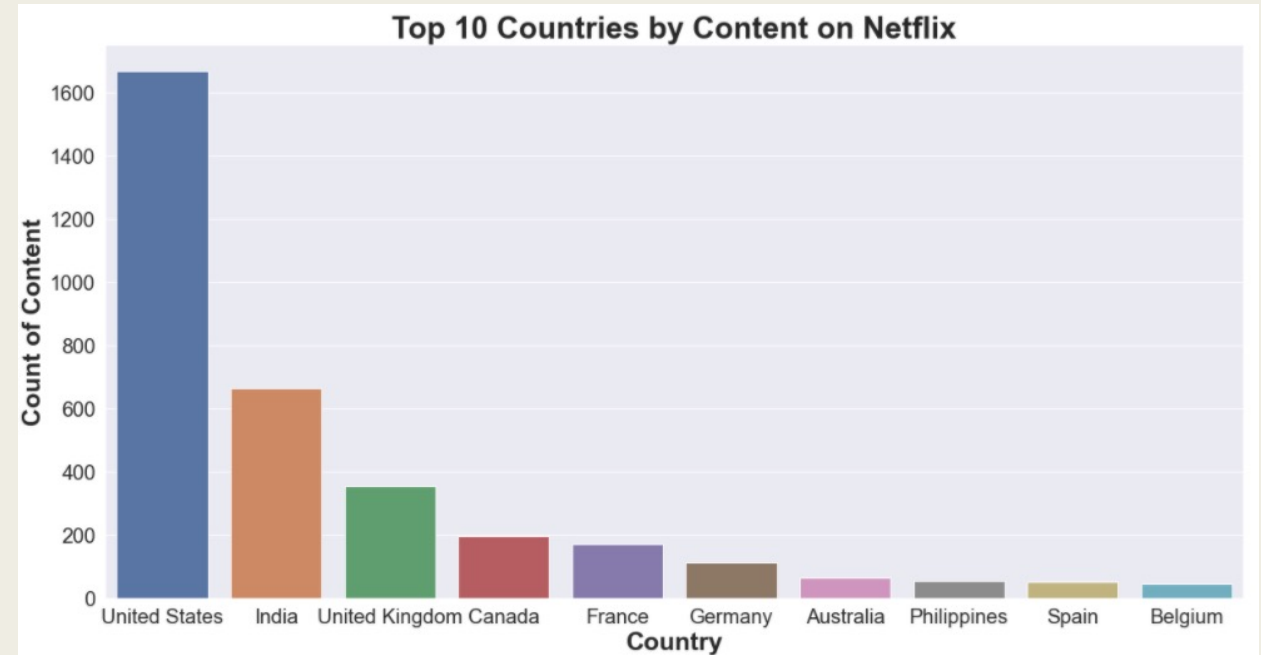
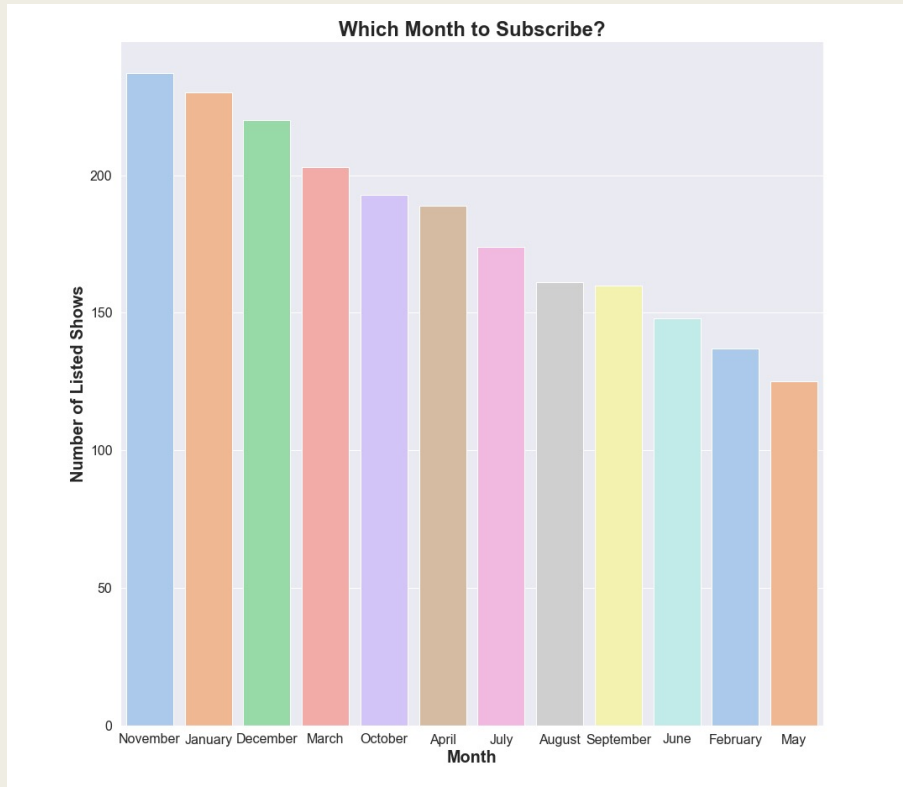
Exponentially distributed



Movies more than TV
shows! Obviously

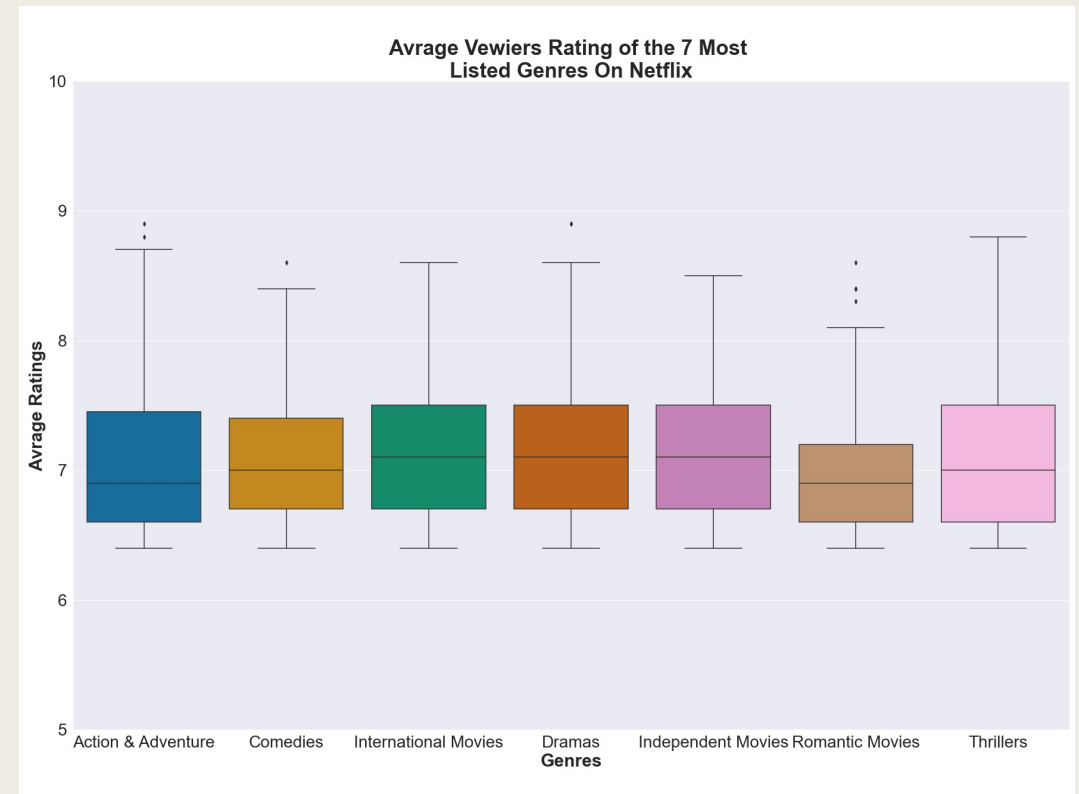
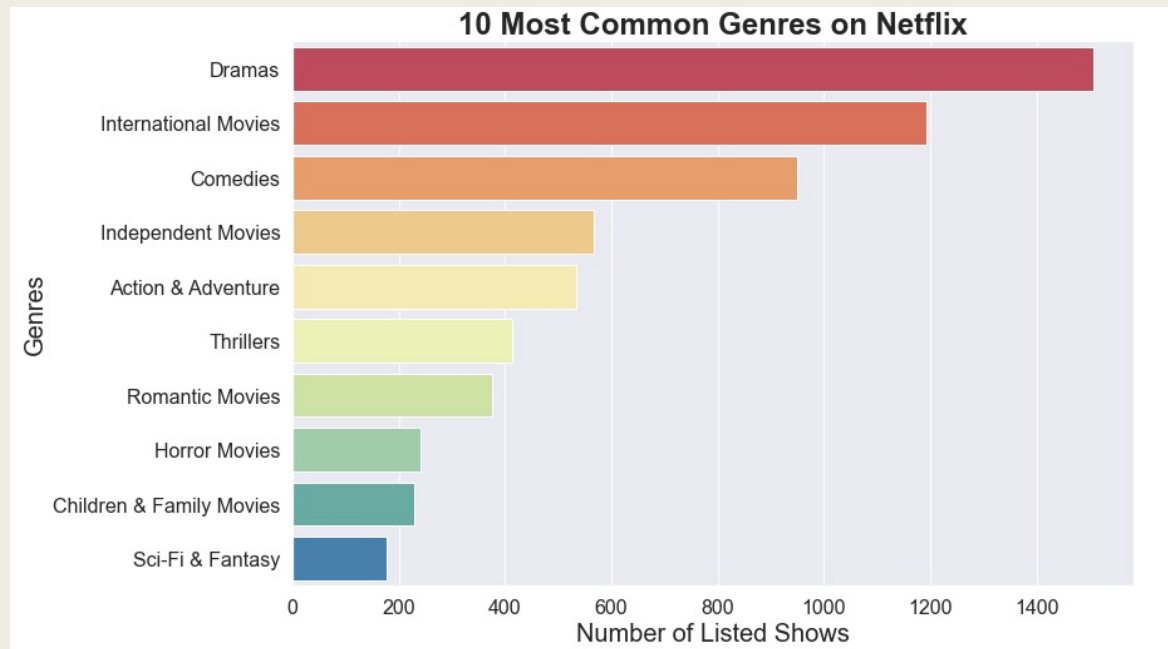
5. Results

Getting a sense of the data distribution



5. Results

- Country-wise Diversity
- Incase you haven't subscribed yet, Listen up!



5. Results

- Most common genres.
- No a sufficient difference in rating.

Recommendations

Action & Adventure	Comedies	Dramas	Romantic Movies	Thrillers
Silencer	Spider-Man: Into the Spider-Verse	Rebecca	Rebecca	The Blue Elephant 2
Avengers: Infinity War	Klaus	Heaven Without People	Naked	Rebecca
Spider-Man: Into the Spider-Verse	Opening Night	Marriage Story	Love You to the Stars and Back	Veronica

Disclaimer: The dataset is Global and may some of the content not be available in your country. These recommendations are based solely on statistics.



6. Future Work