

# EDA on Global Netflix Dataset



- AGENDA
  1. Backstory
  2. Goals
    - Why Netflix content is ~6.0 IMDb rating?
    - Variety and diversity?
    - Most common genres?
    - When to subscribe?
    - Extra: Recommendations?
  3. Tools
  4. Preprocessing
  5. Result
  6. Future Work

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### 3. Tools

- Python, pandas, matplotlib, etc

### 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.

Covered movies/TV shows released from 1925 to 2021

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 ( 6 X 8807 )

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



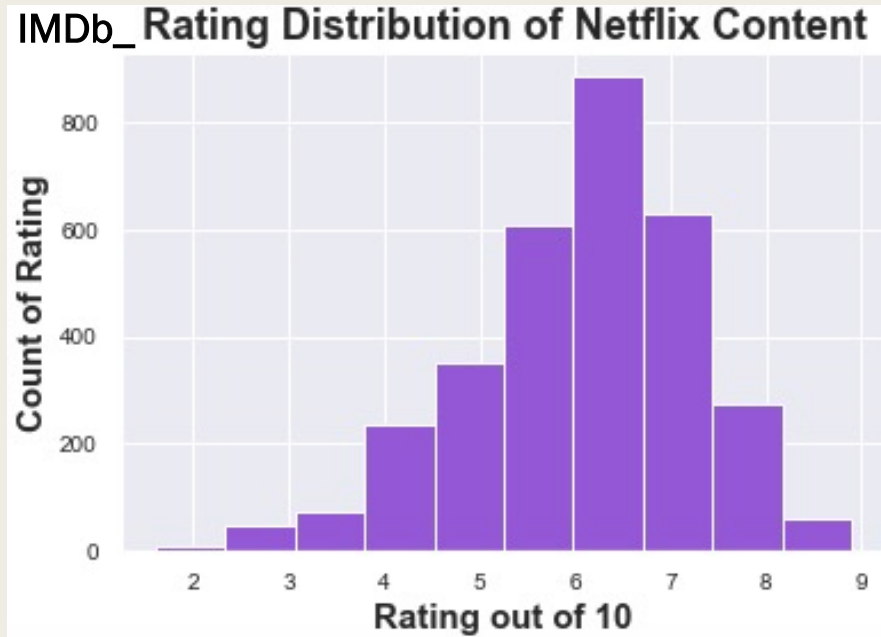
IMDb Datasets ( 3 X 85855 )

IMDb_title_id	Weighted_average_vote	OriginalTitle
tt0000009	5.9	Dick Johnson Is Dead

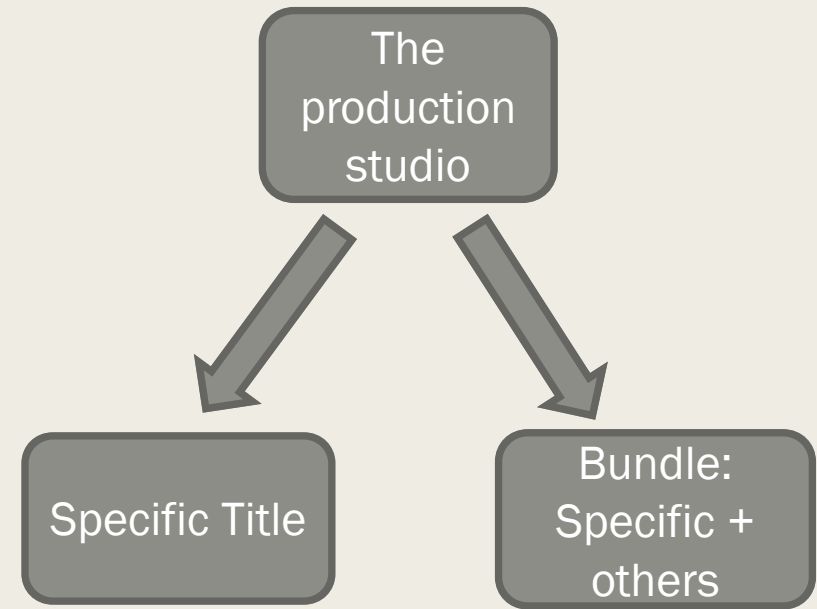


Final Working Dataset ( 8 X 3177 )

Type	Title	Country	Month_Added	Year_Added	Release_year	Genre	IMDb_Rating
Movie	Dick Johnson Is Dead	United States	September	2021	2020	Documentaries	5.9

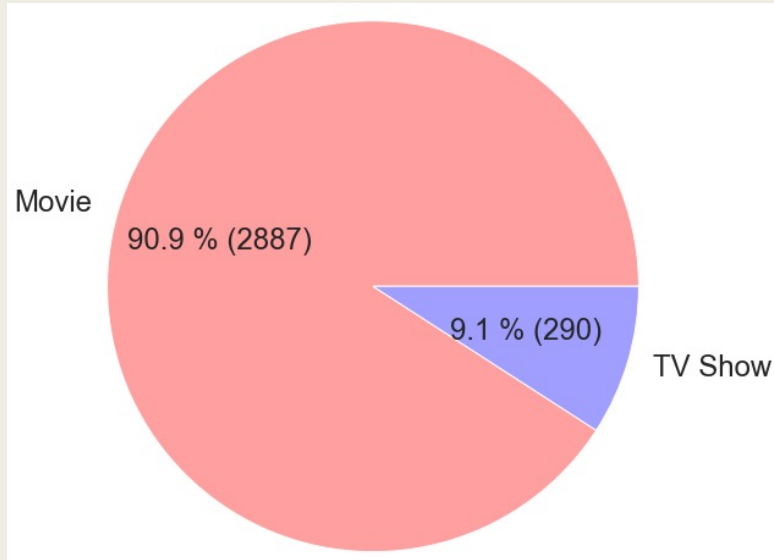


Normally distributed  
~left skewed-ish

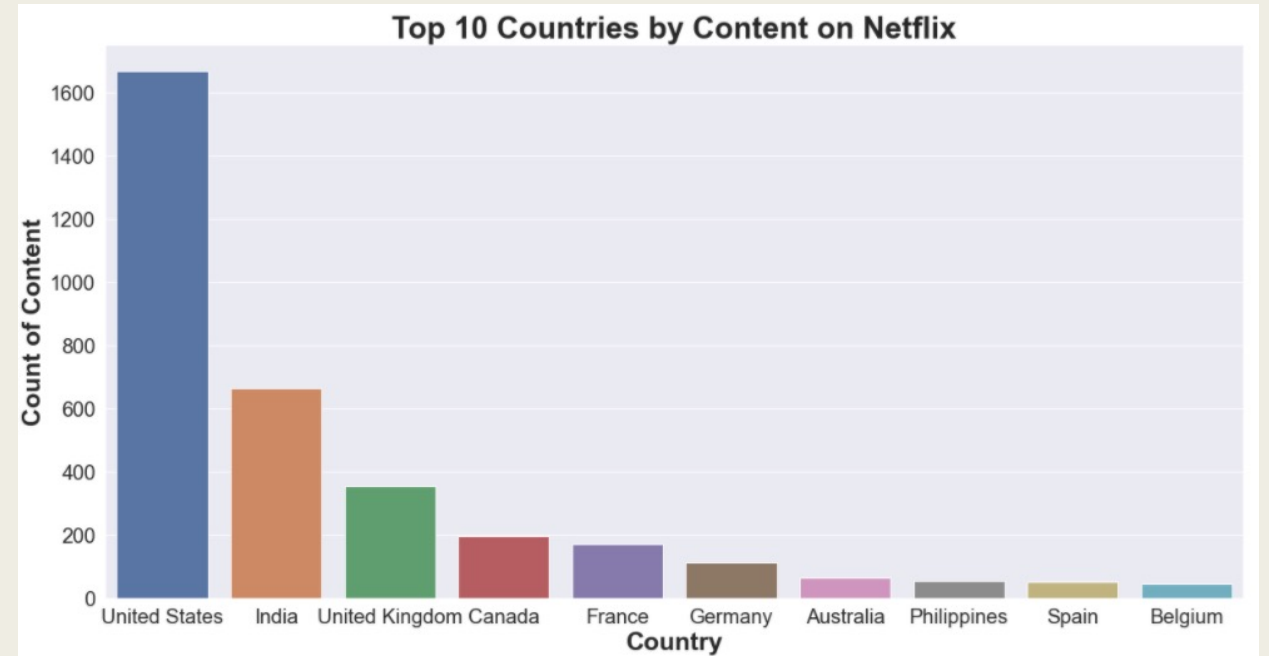


## 5. Results

- Mostly ~6.0 IMDb rating? Is bad? Why?  
One man's trash, another man's treasure

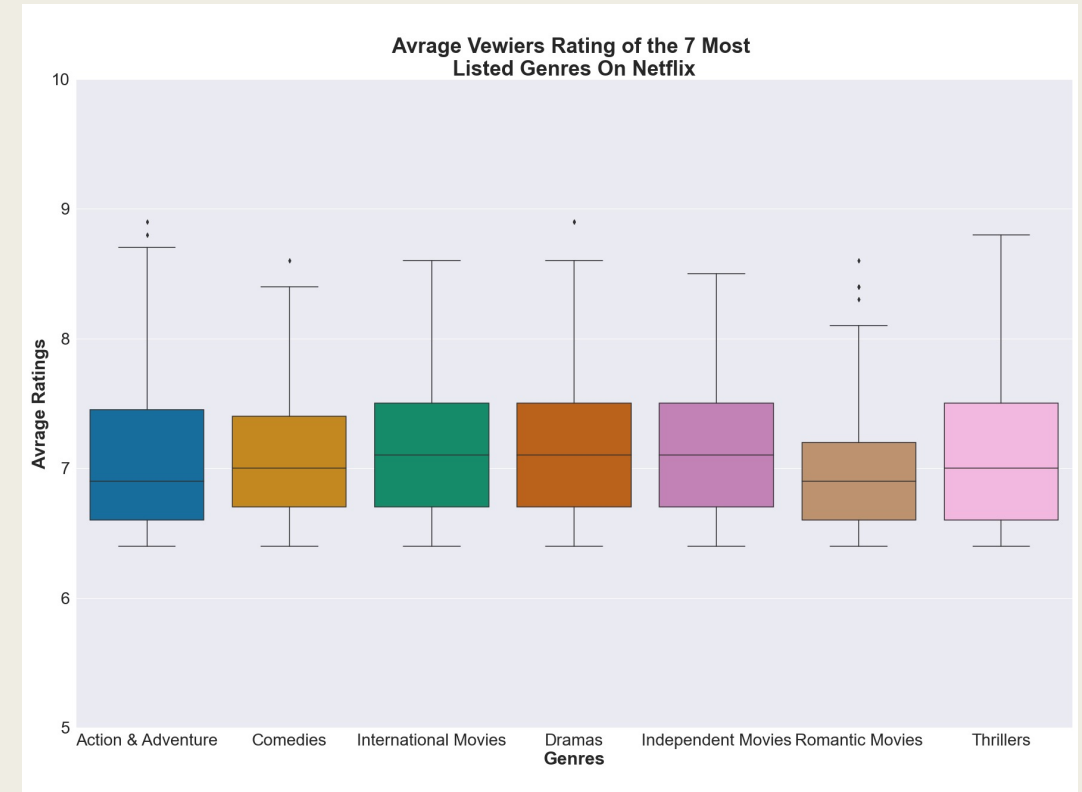
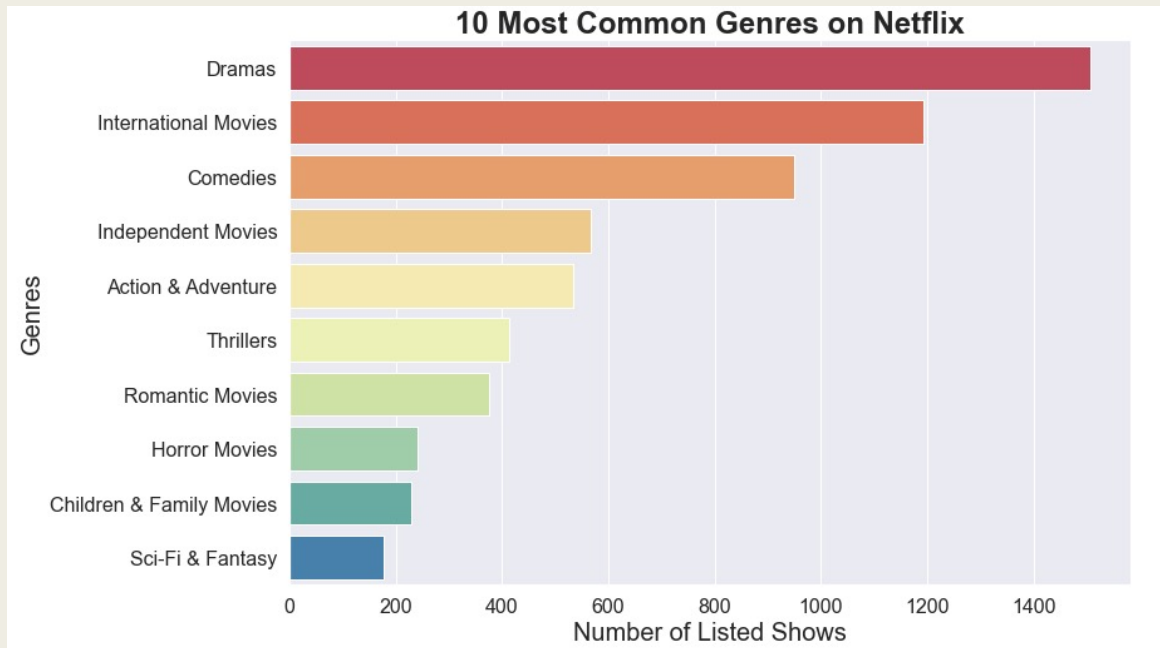


Movies more than TV shows! Obviously



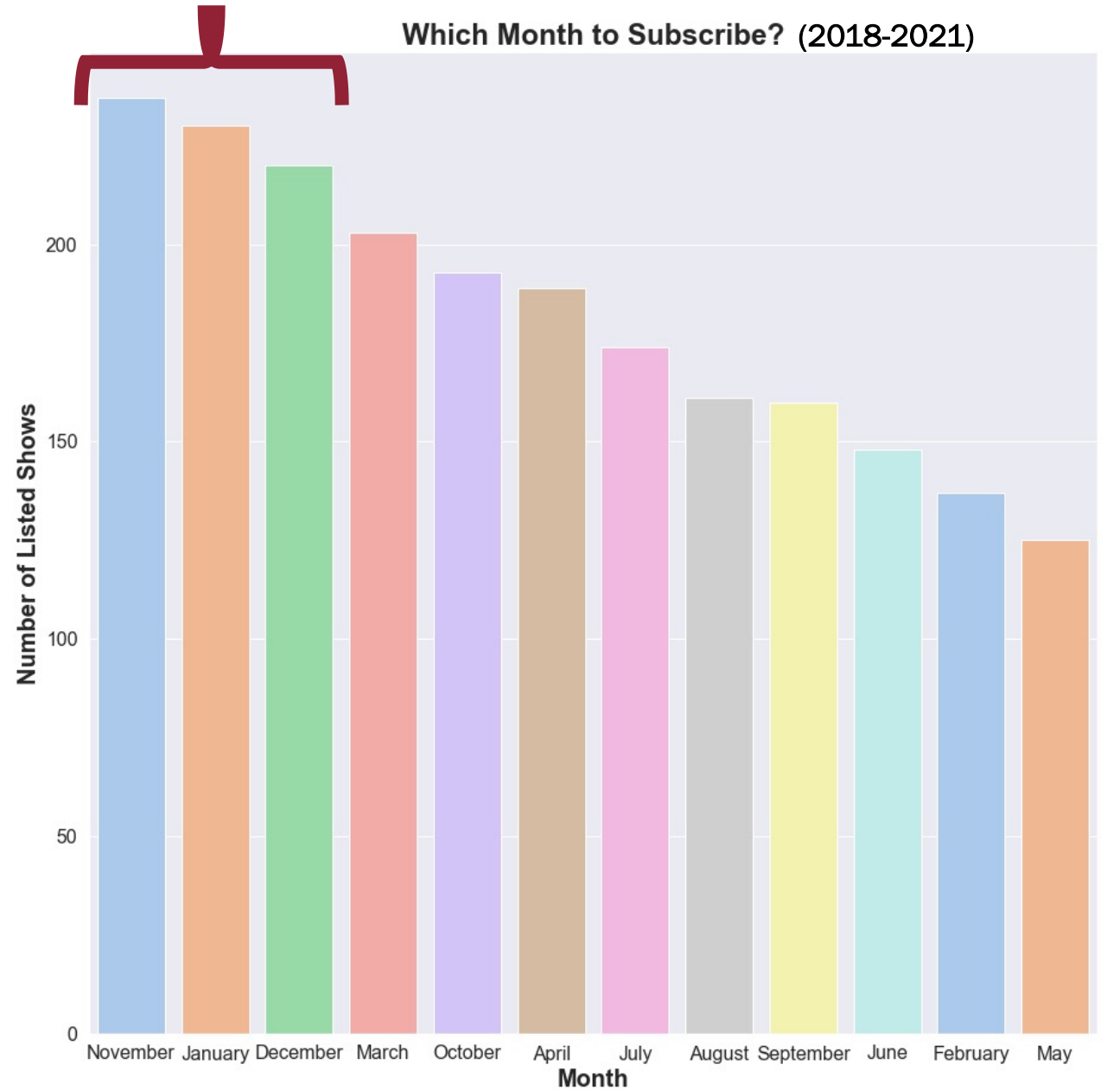
## 5. Results

- Country-wise Diversity
- Types of content.



## 5. Results

- Most common genres.
- No sufficient difference in IMDb\_rating.



## 5. RESULTS

- When to subscribe?

INCASE YOU HAVEN'T  
SUBSCRIBED YET, LISTEN UP!



## 6. Future Work

- Get bigger dataset.
- Includes Region-based recommendation.

# 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 some of the content may not be available in your country. These recommendations are based solely on statistics.