Exploratory Data Analysis on Netflix Shows Dataset

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Project Overview:

- Objective: Perform EDA on Netflix Shows Dataset
- Tasks: Data cleaning, pattern discovery, trend analysis, visualization
- Goal: Derive insights about Netflix’s content types, genres, regions, and time trends

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Dataset Description:

- **Source:** Simulated data.
- **Number of rows: 8807**
- **Number of columns:** 12 columns

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Data Cleaning Process:

- Handled missing values using imputation.
- Standardized formats (e.g., date, duration)
- Split and simplified multi-valued fields (e.g., genres, cast)

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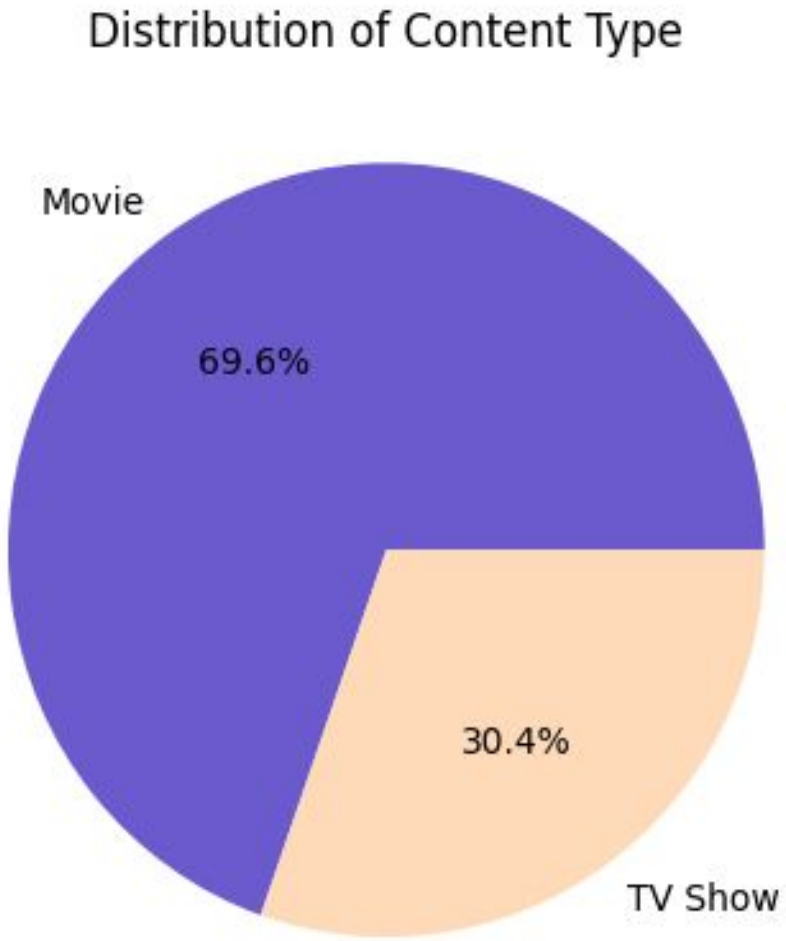
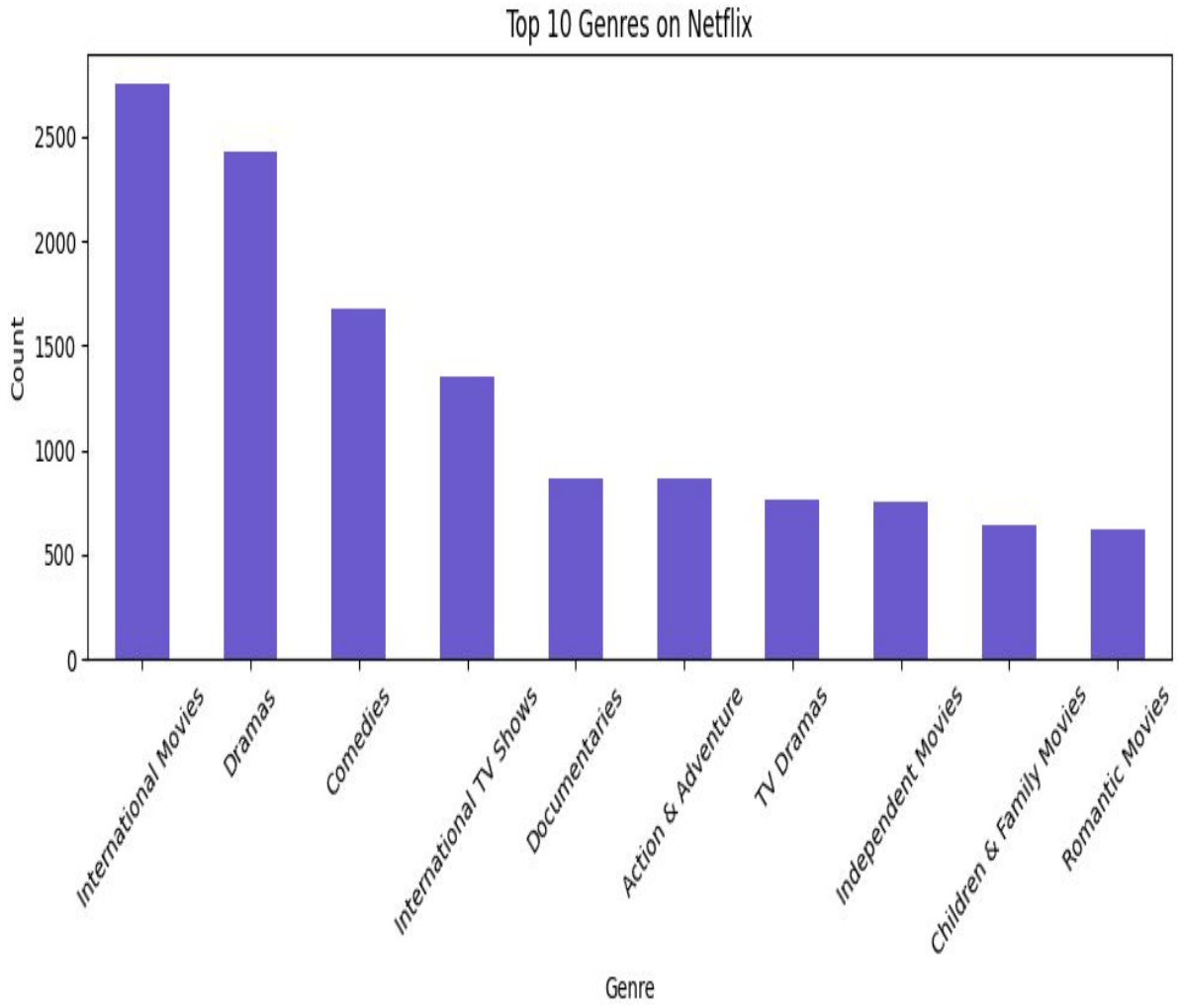
Let’s Dive Into the Data:
NETFLIX

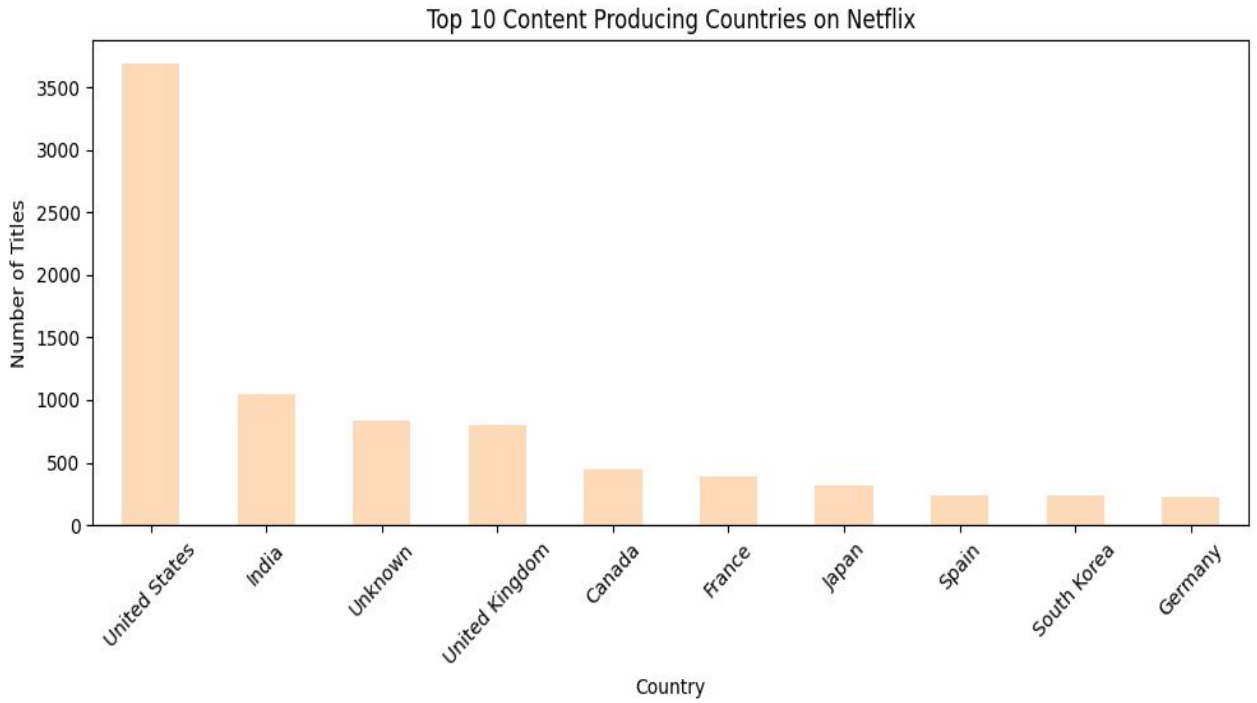
Q1: What is the distribution between Movies and TV Shows on Netflix



Q2: What are the top genres listed on Netflix?

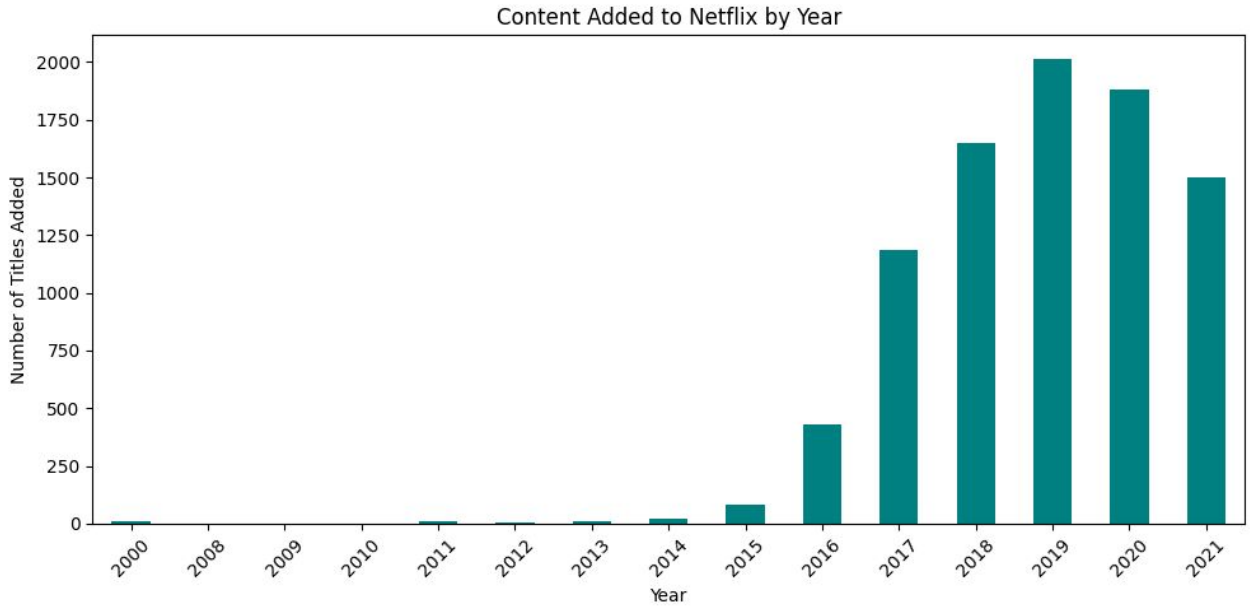


Q3:Which countries produce the most content available on Netflix?



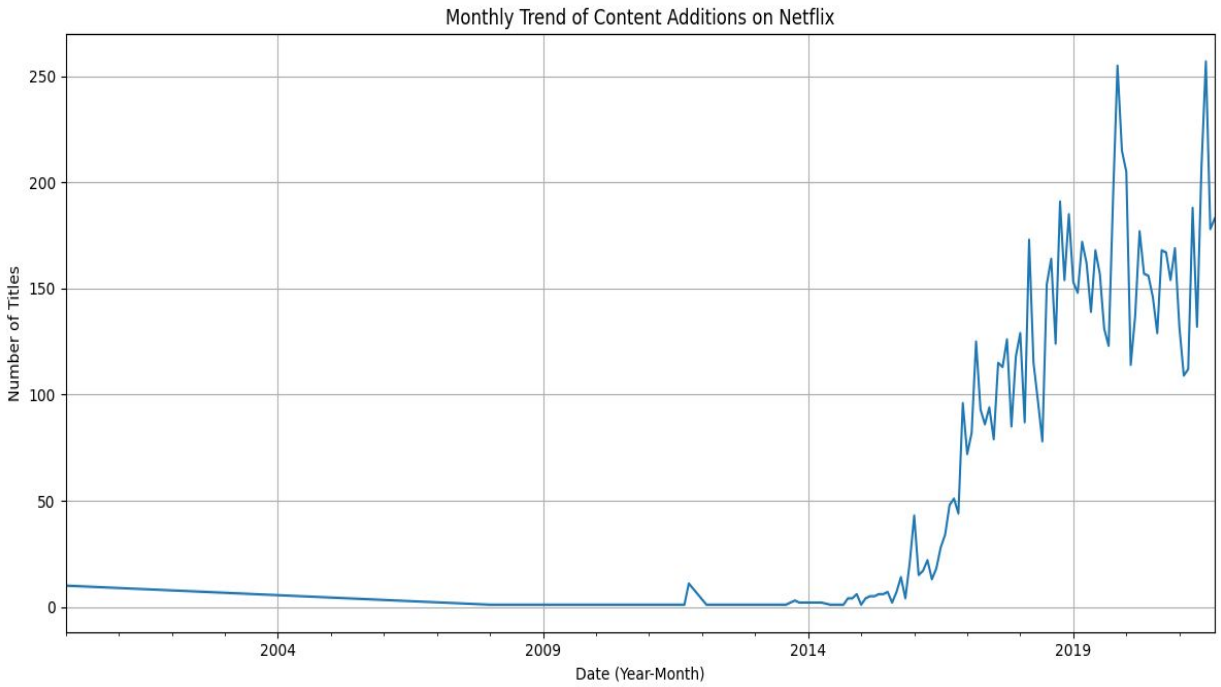
Q4: Are there any trends in content addition dates?

By years



Q4: Are there any trends in content addition dates?

By months

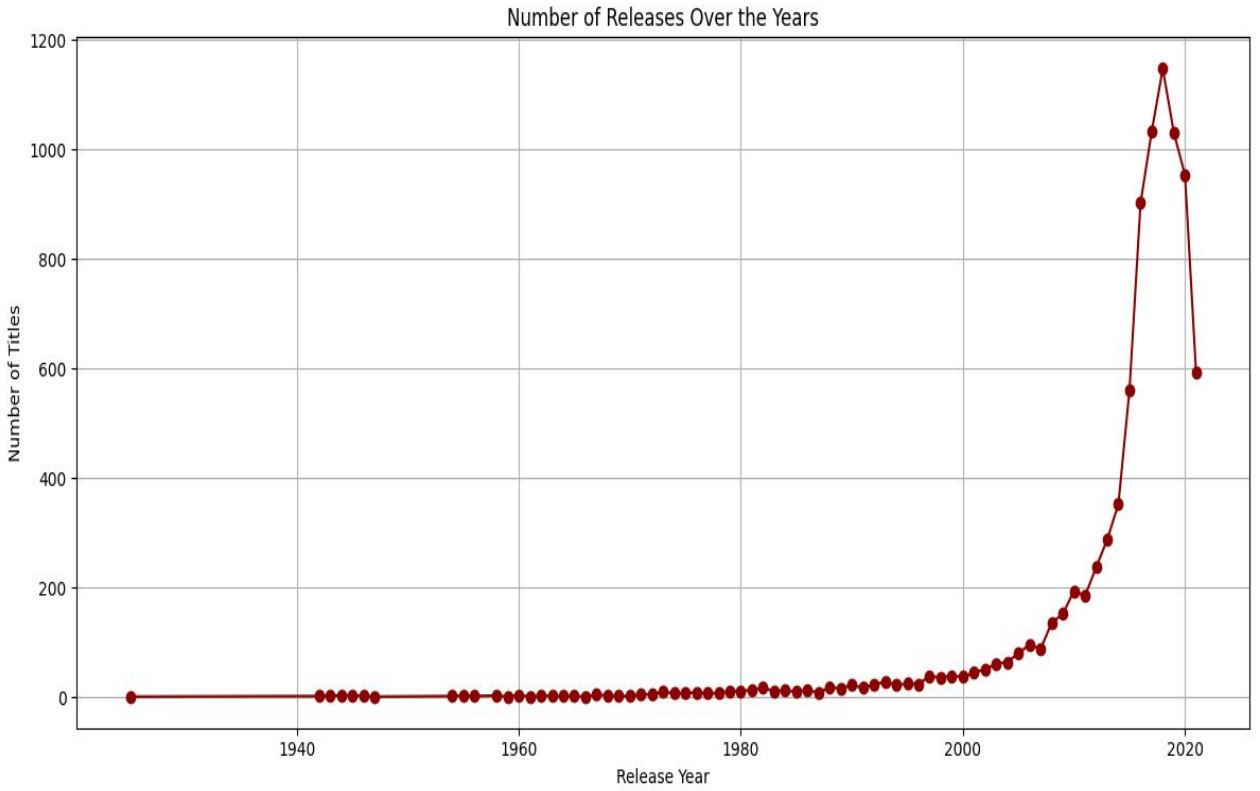


Q5: What is the average duration of movies and TV shows?

Average Movie Duration: 99.6 minutes

Average TV Show Seasons: 1.8

Q6:How has the number of releases changed over the years?



Q7:Which ratings are the most common, and how are they distributed between movies and TV shows?

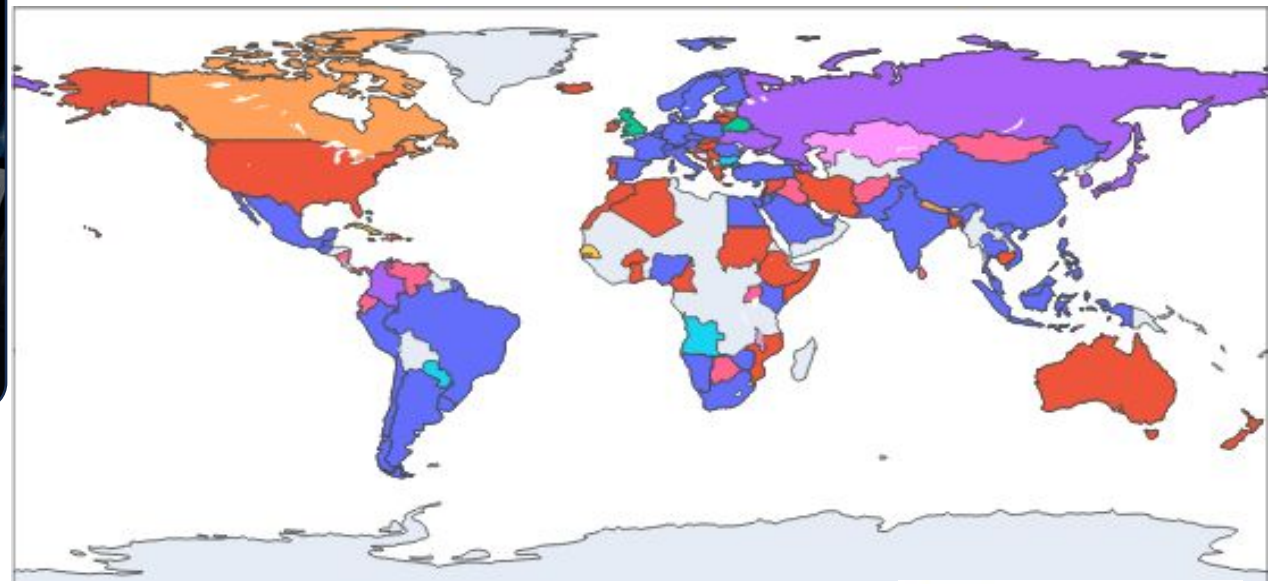
type	Most common rating	count
Movie	TV-MA	2062
Tv Show	TV-MA	1145

Q8:Who are the most popular directors on Netflix?

Director	count
Rajiv Chilaka	22
Jan Suter	21
Raúl Campos	19
Suhas Kadav	16
Marcus Raboy	16
Jay Karas	15
Cathy Garcia-Molina	13
Martin Scorsese	12
Youssef Chahine	12
Jay Chapman	12

Q9:Who are the most popular actors on Netflix?

Cast	count
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
Amitabh Bachchan	28



genre
- International Movies
- Dramas
- British TV Shows
- International TV Shows
- Comedies
- Action & Adventure
- Documentaries
- Independent Movies
- Children & Family Movies
- Crime TV Shows
- Kids' TV
- Horror Movies
- Romantic Movies
- Classic Movies

Q10:Which countries produce more genres of content than others?

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The end

Thanks For Listening