

Project Title:

Netflix Movies and TV Shows Data Analysis using Python

Objective:

To explore and analyze Netflix's dataset to understand patterns such as:

- Distribution of Movies and TV Shows
 - Popular genres
 - Growth of Netflix content over time
 - Top content-producing countries and directors
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Tools & Libraries Used:

- **Python**
 - **Pandas** – for data handling
 - **Matplotlib & Seaborn** – for data visualization
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1. Movies vs TV Shows

- The bar chart shows that **Movies dominate Netflix**, with around **6,000+ titles**, compared to **2,600+ TV Shows**.
- It clearly indicates that Netflix's library is **mainly focused on movies** rather than series.

Explanation:

“Most of Netflix's content are movies, making up nearly 70% of all titles.”

2. Distribution of Movies vs TV Shows (Pie Chart)

- This pie chart confirms that **Movies make up 69.6%**, while **TV Shows make up 30.4%** of total content.
- A simple and clear visual representation of Netflix's content mix.

Explanation:

“Almost 7 out of every 10 Netflix titles are movies.”



3. Top 10 Genres on Netflix

- The most common genres are **International Movies, Dramas, and Comedies**.
- It shows Netflix focuses on **diverse and drama-rich content**, attracting a global audience.



Explanation:

“Netflix has a strong presence in international and dramatic genres, showing its global strategy.”



4. Netflix Content Growth Over the Years

- From **2008 to 2015**, Netflix had very few releases.
- After **2016**, the number of titles rapidly increased, peaking around **2019–2020**.
- This sharp rise reflects Netflix’s **global expansion and content production boom**.



Explanation:

“Netflix’s content library grew massively after 2015 due to international expansion and original shows.”



5. Top 10 Countries Producing Netflix Content

- **United States** is the leading contributor, followed by **India** and the **United Kingdom**.
- This shows Netflix’s strong partnerships in these countries and growing focus on regional content.



Explanation:

“The U.S. produces the most Netflix content, but India and the U.K. also play major roles.”



6. Top 10 Years with Most Netflix Releases

- Most content was released between **2016–2020**, with a peak in **2018**.
- This period shows Netflix’s major investment in creating and releasing diverse content.



Explanation:

“The highest number of new releases came between 2016 and 2020, especially 2018.”

7. Top 10 Directors with Most Titles

- **Rajiv Chilaka, Raúl Campos & Jan Suter**, and **Suhas Kadav** are among the top directors.
- Many of these are known for animated or children's content, showing Netflix's family-oriented diversity.

Explanation:

"These directors have directed the highest number of titles, showing Netflix's range of collaborations."

Summary of Key Insights

Aspect	Insight
Movies vs TV Shows	Movies (69.6%) dominate Netflix's library.
Top Genres	International, Drama, and Comedy are most popular.
Growth Over Time	Huge content surge after 2015.
Top Countries	U.S., India, and U.K. lead in production.
Peak Years	2018–2020 saw the most new releases.
Top Directors	Rajiv Chilaka and others lead in Netflix titles.