# Netflix Dataset Analysis Report

## Dataset Description

This dataset consists of metadata about Movies and TV Shows available on Netflix. The key features used in this analysis include:

• Type (Movie or TV Show)

• Rating (e.g., PG-13, TV-MA)

• Description Length (number of characters in the description)

• Country of origin

• Date Added to Netflix

## Key Findings

Description Length:

Movies and TV Shows have similar average description lengths, with Movies showing slightly more consistency. Some rating categories (e.g., "R" and "TV-MA") tend to have longer descriptions.

Content Growth Over Time:

Netflix experienced a significant surge in content additions from 2015 to 2019, peaking in 2019 with nearly 2000 titles added. This rapid growth suggests a strategic expansion phase.

Geographical Distribution:

The United States dominates content production on Netflix, followed by India and the United Kingdom. However, there's also a notable percentage of content where the country is unknown, indicating incomplete data or global collaborations.

## Insights from Visualizations

1. Average Description Length by Type & Rating

Movies tend to have more uniform description lengths across ratings.

TV Shows show more variance, with "TV-Y7-FV" rated shows having the shortest average descriptions.

Rating types such as "R" and "TV-14" have the longest descriptions, especially in TV Shows.

2. Boxplot of Description Length by Type2

The median description length is similar for both Movies and TV Shows (~145 characters).

Movies display a higher range of outliers, hinting at either very brief or very detailed descriptions.

TV Shows show slightly more consistency in their descriptions, with fewer extremes.

3. Content Added by Year

A rapid rise in content starts around 2016, accelerating through 2019, followed by a gradual decline.

Likely influenced by Netflix’s global expansion and original content production peak during these years.

4. Top 10 Countries by Content

USA leads with over 2800 titles.

India, UK, and Japan follow, highlighting a diverse range of international content.

Countries like South Korea and Spain also appear, indicating rising global entertainment markets.