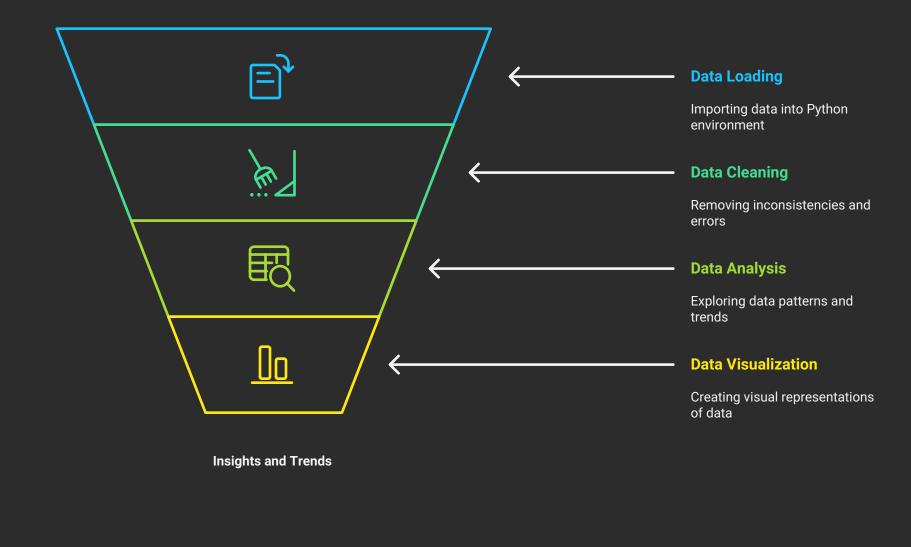
Exploratory Data Analysis (EDA) on Netflix Data

This document presents an exploratory data analysis (EDA) of a Netflix dataset, focusing on the loading, cleaning, analyzing, and visualizing of the data using Python libraries such as Pandas, Matplotlib, and Seaborn. The goal of this analysis is to derive insights from the dataset and prepare it for potential machine learning tasks. The findings from the EDA highlight key trends and patterns in the content available on Netflix, including the distribution of movies and TV shows, rating types, geographical content distribution, release trends, and popular genres and directors.

Netflix Dataset

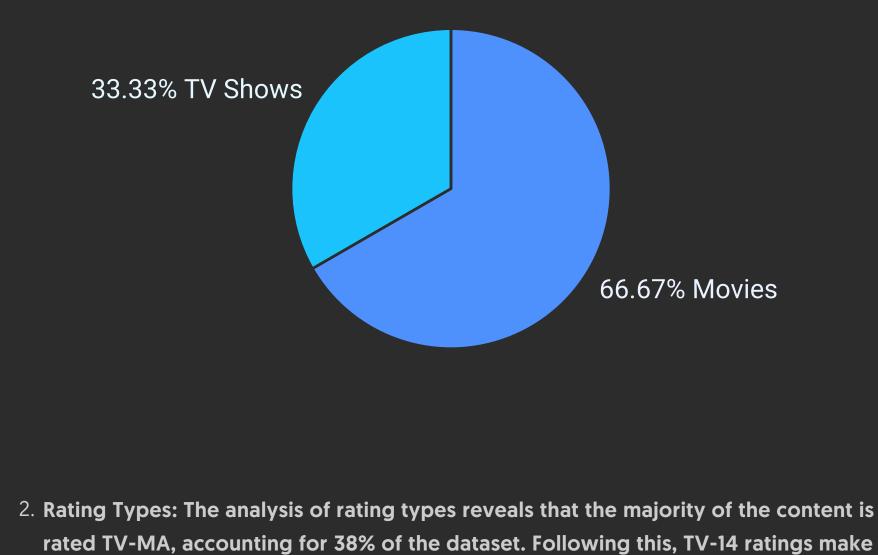
Netflix Data Analysis Process



1. Content Distribution: By plotting the data, we observe that the number of movies in our dataset is almost double that of TV shows. This indicates a significant focus on movie content within Netflix's offerings.

Findings from EDA

Netflix Content Distribution

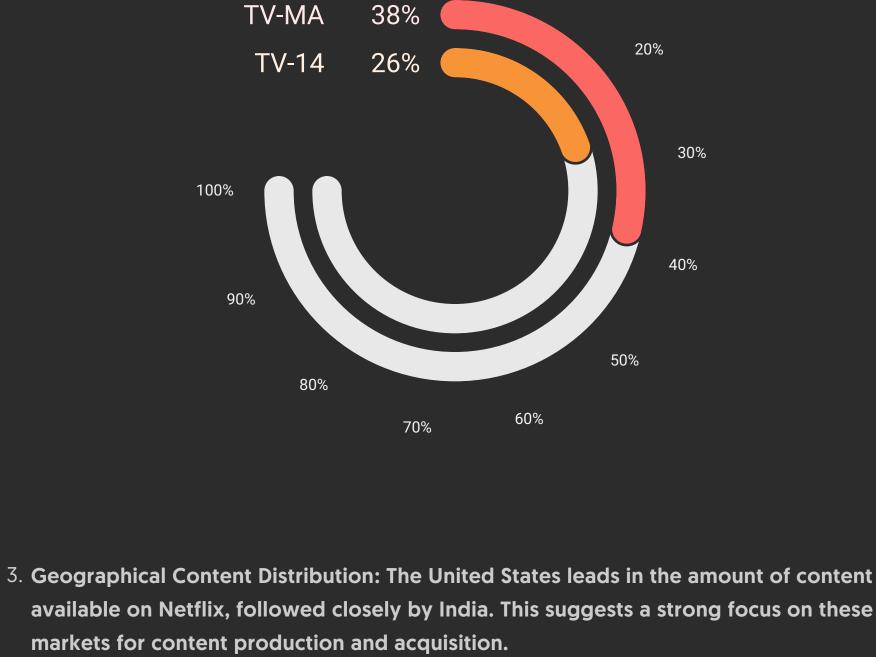


Distribution of Netflix Content Ratings

0%

10%

up 26%, indicating that these two categories dominate the ratings landscape.



Geographical Content Distribution on Netflix

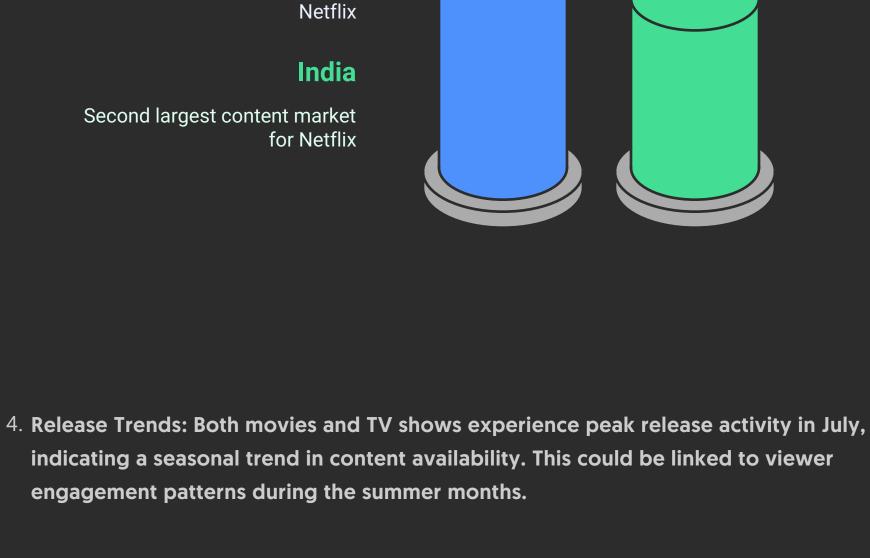
38

United States

Leading content provider on

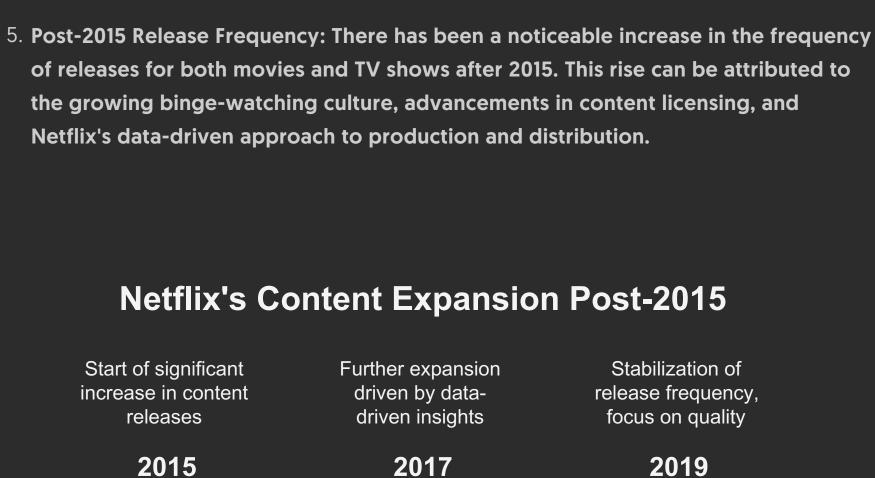
Release activity

26



Movies and TV shows

Peak release activity in July



2018

Peak in content

releases, reflecting market dominance

30% Dramas

30% International Movies

2016

Continued growth in

movie and TV show

releases

10% Stand-Up Comedy

30% Documentaries

Dramas, International Movies, and Documentaries, with Stand-Up Comedy also being a popular choice among viewers.

Distribution of Top Movie Genres on Netflix

6. Top Movie Genres: The analysis identifies the top three movie genres on Netflix as



7. Top TV Show Genres: For TV shows, the leading genres include Kids TV,

8. Top Directors: The analysis highlights the top directors who have released the highest number of movies and TV shows on Netflix. These include Rajiv Chilaka,

Netflix's Top Directors

Alastair Fothergill, Raul Campos, and Jan Suter, showcasing their significant

contributions to Netflix's content library.

