

# Netflix Data Analysis Report

## Project Overview

This project explores the Netflix dataset to gain insights into content availability, trends, and distribution. The analysis covers dataset structure, cleaning, exploratory data analysis (EDA), and key insights into movies and TV shows.

## Dataset

The dataset contains details about Netflix titles, including: - Show ID - Type (Movie or TV Show) - Title - Director - Cast - Country - Date Added - Release Year - Rating - Duration - Listed In (genre/category) - Description

## Analysis Performed

1. Data Cleaning: Handling missing values and standardizing formats. 2. Exploratory Data Analysis (EDA): Distribution of movies vs TV shows, release year trends, top genres, country-wise distribution, and ratings breakdown. 3. Visualizations: Bar charts, pie charts, trend analysis, and geographic distribution plots.

## Key Insights

- Movies dominate Netflix's catalog compared to TV shows. - Most content was added in the last decade. - The United States and India contribute the largest share of titles. - TV-MA and TV-14 are the most frequent ratings. - Dramas, comedies, and international content are widely represented.

## Future Work

- Sentiment analysis of Netflix descriptions. - Forecasting future content release trends. - Comparing Netflix with other streaming platforms.