

# Netflix TV Shows and Movies Analysis

## Introduction

This Python data analysis project focuses on exploring and understanding a Netflix dataset containing information about TV shows and movies available on Netflix until 2021. The dataset was obtained from Flixable, a third-party Netflix search engine, and is freely accessible on Kaggle. The primary goal of this analysis is to gain insights into the content available on Netflix, such as the distribution of shows and movies across different categories, release years, and countries.

## Key Analysis Tasks

1. Determining the show ID and director for the TV show 'House of Cards.'
2. Identifying the year with the highest number of TV shows and movies released, presented using a bar graph.
3. Analyzing the distribution of movies and TV shows in the dataset, visualized with a count plot.
4. Listing all movies released in the year 2020.
5. Displaying titles of TV shows released exclusively in India.
6. Identifying the top 10 directors with the highest number of contributions to Netflix.
7. Retrieving records for movies or shows categorized as "Comedies" or released in the United Kingdom.
8. Counting instances where Tom Cruise was cast.
9. Exploring unique ratings defined by Netflix, and finding the number of 'TV-14' rated movies in Canada.
10. Determining the maximum duration of a movie or show on Netflix.
11. Identifying the country with the highest number of TV shows.
12. Sorting the dataset based on the release year in descending order.
13. Extracting instances where the category is 'Movie' and the type is 'Dramas,' or the category is 'TV Show' and the type is 'Kids TV.'

This analysis provides a comprehensive understanding of Netflix content, enabling insights into trends, preferences, and patterns within the available dataset.