

Netflix Movies & TV Shows Analysis

Life Cycle Of Analysis Project

1. problem statement

2) Data Collection

- Dataset Source - <https://www.kaggle.com/datasets/shivamb/netflix-shows>
- The data consists of 12 columns and 8813 rows.

2.1 Import Data and Required Packages

```
!pip install numpy
Requirement already satisfied: numpy in c:\users\dell\anaconda3\lib\
site-packages (2.3.5)

!pip install pandas
Requirement already satisfied: pandas in c:\users\dell\anaconda3\lib\
site-packages (2.3.3)
Requirement already satisfied: numpy>=1.26.0 in c:\users\dell\
anaconda3\lib\site-packages (from pandas) (2.3.5)
Requirement already satisfied: python-dateutil>=2.8.2 in c:\users\dell\
anaconda3\lib\site-packages (from pandas) (2.9.0.post0)
Requirement already satisfied: pytz>=2020.1 in c:\users\dell\
anaconda3\lib\site-packages (from pandas) (2025.2)
Requirement already satisfied: tzdata>=2022.7 in c:\users\dell\
anaconda3\lib\site-packages (from pandas) (2025.2)
Requirement already satisfied: six>=1.5 in c:\users\dell\anaconda3\
lib\site-packages (from python-dateutil>=2.8.2->pandas) (1.17.0)

!pip install matplotlib
Requirement already satisfied: matplotlib in c:\users\dell\anaconda3\
lib\site-packages (3.10.6)
Requirement already satisfied: contourpy>=1.0.1 in c:\users\dell\
anaconda3\lib\site-packages (from matplotlib) (1.3.3)
Requirement already satisfied: cycler>=0.10 in c:\users\dell\
anaconda3\lib\site-packages (from matplotlib) (0.11.0)
Requirement already satisfied: fonttools>=4.22.0 in c:\users\dell\
anaconda3\lib\site-packages (from matplotlib) (4.60.1)
Requirement already satisfied: kiwisolver>=1.3.1 in c:\users\dell\
anaconda3\lib\site-packages (from matplotlib) (1.4.9)
Requirement already satisfied: numpy>=1.23 in c:\users\dell\anaconda3\
lib\site-packages (from matplotlib) (2.3.5)
Requirement already satisfied: packaging>=20.0 in c:\users\dell\
anaconda3\lib\site-packages (from matplotlib) (25.0)
Requirement already satisfied: pillow>=8 in c:\users\dell\anaconda3\
lib\site-packages (from matplotlib) (12.0.0)
```

```
Requirement already satisfied: pyparsing>=2.3.1 in c:\users\dell\anaconda3\lib\site-packages (from matplotlib) (3.2.5)
Requirement already satisfied: python-dateutil>=2.7 in c:\users\dell\anaconda3\lib\site-packages (from matplotlib) (2.9.0.post0)
Requirement already satisfied: six>=1.5 in c:\users\dell\anaconda3\lib\site-packages (from python-dateutil>=2.7->matplotlib) (1.17.0)

!pip install seaborn

Requirement already satisfied: seaborn in c:\users\dell\anaconda3\lib\site-packages (0.13.2)
Requirement already satisfied: numpy!=1.24.0,>=1.20 in c:\users\dell\anaconda3\lib\site-packages (from seaborn) (2.3.5)
Requirement already satisfied: pandas>=1.2 in c:\users\dell\anaconda3\lib\site-packages (from seaborn) (2.3.3)
Requirement already satisfied: matplotlib!=3.6.1,>=3.4 in c:\users\dell\anaconda3\lib\site-packages (from seaborn) (3.10.6)
Requirement already satisfied: contourpy>=1.0.1 in c:\users\dell\anaconda3\lib\site-packages (from matplotlib!=3.6.1,>=3.4->seaborn) (1.3.3)
Requirement already satisfied: cylicer>=0.10 in c:\users\dell\anaconda3\lib\site-packages (from matplotlib!=3.6.1,>=3.4->seaborn) (0.11.0)
Requirement already satisfied: fonttools>=4.22.0 in c:\users\dell\anaconda3\lib\site-packages (from matplotlib!=3.6.1,>=3.4->seaborn) (4.60.1)
Requirement already satisfied: kiwisolver>=1.3.1 in c:\users\dell\anaconda3\lib\site-packages (from matplotlib!=3.6.1,>=3.4->seaborn) (1.4.9)
Requirement already satisfied: packaging>=20.0 in c:\users\dell\anaconda3\lib\site-packages (from matplotlib!=3.6.1,>=3.4->seaborn) (25.0)
Requirement already satisfied: pillow>=8 in c:\users\dell\anaconda3\lib\site-packages (from matplotlib!=3.6.1,>=3.4->seaborn) (12.0.0)
Requirement already satisfied: pyparsing>=2.3.1 in c:\users\dell\anaconda3\lib\site-packages (from matplotlib!=3.6.1,>=3.4->seaborn) (3.2.5)
Requirement already satisfied: python-dateutil>=2.7 in c:\users\dell\anaconda3\lib\site-packages (from matplotlib!=3.6.1,>=3.4->seaborn) (2.9.0.post0)
Requirement already satisfied: pytz>=2020.1 in c:\users\dell\anaconda3\lib\site-packages (from pandas>=1.2->seaborn) (2025.2)
Requirement already satisfied: tzdata>=2022.7 in c:\users\dell\anaconda3\lib\site-packages (from pandas>=1.2->seaborn) (2025.2)
Requirement already satisfied: six>=1.5 in c:\users\dell\anaconda3\lib\site-packages (from python-dateutil>=2.7->matplotlib!=3.6.1,>=3.4->seaborn) (1.17.0)

import numpy as np
import pandas as pd
```

```

import seaborn as sns
import matplotlib.pyplot as plt
%matplotlib inline
import warnings
warnings.filterwarnings('ignore')

df=pd.read_csv("netflix.csv")
df.tail()

      show_id    type          title \
8808    s8766  Movie           XX
8809    s8767  Movie           XXX
8810    s8768  Movie  XXX: State of the Union
8811    s8769  Movie       Y Tu Mamá También
8812    s8770  Movie   Y.M.I.: Yeh Mera India

                           director \
8808  Jovanka Vuckovic, Annie Clark, Roxanne Benjami...
8809                               Rob Cohen
8810                               Lee Tamahori
8811                          Alfonso Cuarón
8812                               N. Chandra

                     cast \
8808  Natalie Brown, Jonathan Watton, Melanie Lynske...
8809  Vin Diesel, Asia Argento, Marton Csokas, Samue...
8810  Ice Cube, Samuel L. Jackson, Willem Dafoe, Sco...
8811  Maribel Verdú, Gael García Bernal, Diego Luna, ...
8812  Anupam Kher, Atul Kulkarni, Aakash Pandey, Mil...

      country      date_added  release_year rating
duration \
8808  Canada, United States     June 22, 2017        2017     R   81
min
8809            United States    January 1, 2019        2002  PG-13  124
min
8810            United States    January 1, 2019        2005  PG-13  101
min
8811            Mexico         June 1, 2017        2001     R  106
min
8812            India        March 1, 2018        2008 TV-MA  137
min

      listed_in \
8808                  Horror Movies
8809  Action & Adventure, Sports Movies
8810                  Action & Adventure
8811  Dramas, Independent Movies, International Movies
8812  Dramas, Independent Movies, International Movies

```

```
description
8808 This four-part anthology of short horror films...
8809 A notorious underground rush-seeker deemed unt...
8810 In this action-packed follow-up to XXX, U.S. i...
8811 When rich teens Tenoch and Julio meet the allu...
8812 The lives of a middle-aged soap opera addict, ...

df.shape
(8813, 12)
```

Dataset Information

- show_id:Unique ID for each show
- type:Movie or TV Show
- title>Title of the content
- director:Director name
- cast:Cast details
- country:Country of production
- date_added:Date added to Netflix
- release_year:Release year
- rating:Content rating
- duration:Movie minutes / TV seasons
- listed_in:Genre
- description:Summary

3. Data Checks to perform

3.1 check missing values

```
df.isnull().sum()

show_id          0
type            0
title           0
director      2634
cast            825
```

```
country          831
date_added       10
release_year      0
rating            4
duration           3
listed_in          0
description         0
dtype: int64
```

3.2 Check Duplicates

```
df.duplicated().sum()
np.int64(6)
```

3.3 Check data types

```
df.info()

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 8813 entries, 0 to 8812
Data columns (total 12 columns):
 #   Column           Non-Null Count  Dtype  
---  --  
 0   show_id          8813 non-null    object 
 1   type              8813 non-null    object 
 2   title             8813 non-null    object 
 3   director          6179 non-null    object 
 4   cast               7988 non-null    object 
 5   country            7982 non-null    object 
 6   date_added        8803 non-null    object 
 7   release_year      8813 non-null    int64  
 8   rating             8809 non-null    object 
 9   duration           8810 non-null    object 
 10  listed_in          8813 non-null    object 
 11  description         8813 non-null    object 
dtypes: int64(1), object(11)
memory usage: 826.3+ KB
```

3.4 Checking the number of unique values of each column

```
df.nunique()

show_id          8807
type              2
title             8804
director         4528
cast              7692
country            748
```

```
date_added      1767
release_year     74
rating          17
duration        220
listed_in       514
description    8775
dtype: int64
```

3.5 Check statistics of data set

```
df.describe()

           release_year
count    8813.000000
mean     2014.173607
std      8.821838
min     1925.000000
25%    2013.000000
50%    2017.000000
75%    2019.000000
max    2021.000000
```

3.6 Checking various categories in categorical columns

```
for col in df.select_dtypes(include="object").columns:
    print(f"(col) : {df[col].unique()}")
    
(col) : ['s1' 's2' 's3' ... 's8805' 's8806' 's8807']
(col) : ['Movie' 'TV Show']
(col) : ['Dick Johnson Is Dead' 'Blood & Water' 'Ganglands' ...
'Zombieland'
'Zoom' 'Zubaan']
(col) : ['Kirsten Johnson' nan 'Julien Leclercq' ... 'Majid Al Ansari'
'Peter Hewitt' 'Mozez Singh']
(col) : [nan
'Ama Qamata, Khosi Ngema, Gail Mabalane, Thabang Molaba, Dillon
Windvogel, Natasha Thahane, Arno Greeff, Xolile Tshabalala, Getmore
Sithole, Cindy Mahlangu, Ryle De Morny, Greteli Fincham, Sello Maake
Ka-Ncube, Odwa Gwanya, Mekaila Mathys, Sandi Schultz, Duane Williams,
Shamilla Miller, Patrick Mofokeng'
'Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabiha Akkari, Sofia
Lesaffre, Salim Kechiouche, Noureddine Farihi, Geert Van Rampelberg,
Bakary Diombera'
...
'Jesse Eisenberg, Woody Harrelson, Emma Stone, Abigail Breslin, Amber
Heard, Bill Murray, Derek Graf'
'Tim Allen, Courteney Cox, Chevy Chase, Kate Mara, Ryan Newman,
Michael Cassidy, Spencer Breslin, Rip Torn, Kevin Zegers'
'Vicky Kaushal, Sarah-Jane Dias, Raaghav Chanana, Manish Chaudhary,
```

Meghna Malik, Malkeet Rauni, Anita Shabdish, Chittaranjan Tripathy']
(col) : ['United States' 'South Africa' 'India'
 'United States, Ghana, Burkina Faso, United Kingdom, Germany,
 Ethiopia'
 'United Kingdom' 'Germany, Czech Republic' 'Mexico' 'Turkey'
 'Australia'
 'United States, India, France' 'Finland' 'China, Canada, United
 States'
 'South Africa, United States, Japan' 'Nigeria' 'Japan'
 'Spain, United States' 'France' 'Belgium' 'United Kingdom, United
 States'
 'United States, United Kingdom' 'France, United States' 'South Korea'
 'Spain' 'United States, Singapore' 'United Kingdom, Australia,
 France'
 'United Kingdom, Australia, France, United States'
 'United States, Canada' 'Germany, United States'
 'South Africa, United States' 'United States, Mexico'
 'United States, Italy, France, Japan'
 'United States, Italy, Romania, United Kingdom'
 'Australia, United States' 'Argentina, Venezuela'
 'United States, United Kingdom, Canada' 'China, Hong Kong' 'Russia'
 'Canada' 'Hong Kong' 'United States, China, Hong Kong'
 'Italy, United States' 'United States, Germany'
 'United Kingdom, Canada, United States' ', South Korea' 'Ireland'
 'India, Nepal' 'New Zealand, Australia, France, United States'
 'Italy'
 'Italy, Brazil, Greece' 'Argentina' 'Jordan' 'Colombia'
 'United States, Japan' 'Belgium, United Kingdom'
 'Switzerland, United Kingdom, Australia' 'Israel, United States'
 'Canada, United States' 'Brazil' 'Argentina, Spain' 'Taiwan'
 'United States, Nigeria' 'Bulgaria, United States'
 'Spain, United Kingdom, United States' 'United States, China'
 'United States, France' 'Spain, France, United Kingdom, United
 States'
 ', France, Algeria' 'Poland' 'Germany'
 'France, Israel, Germany, United States, United Kingdom' 'New
 Zealand'
 'Saudi Arabia' 'Thailand' 'Indonesia' 'Egypt, Denmark, Germany'
 'United States, Switzerland' 'Hong Kong, Canada, United States'
 'Kuwait, United States' 'France, Canada, United States, Spain'
 'France, Netherlands, Singapore' 'France, Belgium'
 'Ireland, United States, United Kingdom' 'Egypt' 'Malaysia' 'Israel'
 'Australia, New Zealand' 'United Kingdom, Germany' 'Belgium,
 Netherlands'
 'South Korea, Czech Republic' 'Australia, Germany' 'Vietnam'
 'United Kingdom, Belgium' 'United Kingdom, Australia, United States'
 'France, Japan, United States'
 'United Kingdom, Germany, Spain, United States'
 'United Kingdom, United States, France, Italy'

'United States, Germany, Canada'
'United States, France, Italy, United Kingdom'
'United States, United Kingdom, Germany, Hungary'
'United States, New Zealand' 'Sweden' 'China' 'Lebanon' 'Romania'
'Finland, Germany' 'Lebanon, Syria' 'Philippines' 'Iceland' 'Denmark'
'United States, India' 'Philippines, Singapore, Indonesia'
'China, United States, Canada' 'Lebanon, United Arab Emirates'
'Canada, United States, Denmark' 'United Arab Emirates'
'Mexico, France, Colombia' 'Netherlands' 'Germany, United States,
France'
'United States, Bulgaria'
'United Kingdom, France, Germany, United States' 'Norway, Denmark'
'Syria, France, Lebanon, Qatar' 'United States, Czech Republic'
'Mauritius' 'Canada, South Africa' 'Austria' 'Mexico, Brazil'
'Germany, France' 'Mexico, United States'
'United Kingdom, France, Spain, United States' 'United States,
Australia'
'United States, United Kingdom, France' 'United States, Russia'
'United States, United Kingdom, New Zealand' 'Australia, United
Kingdom'
'Canada, Nigeria, United States'
'France, United States, United Kingdom, Canada' 'France, United
Kingdom'
'India, United Kingdom' 'Canada, United States, Mexico'
'United Kingdom, Germany, United States'
'Czech Republic, United Kingdom, United States' 'China, United
Kingdom'
'Italy, United Kingdom' 'China, Taiwan'
'United States, Brazil, Japan, Spain, India'
'United States, China, United Kingdom' 'Cameroon'
'Lebanon, Palestine, Denmark, Qatar' 'Japan, United States'
'Uruguay, Germany' 'Egypt, Saudi Arabia'
'United Kingdom, France, Poland, Germany, United States'
'Ireland, Switzerland, United Kingdom, France, United States'
'United Kingdom, South Africa, France'
'Ireland, United Kingdom, France, Germany' 'Russia, United States'
'United Kingdom, United States, France' 'United Kingdom,'
'United States, India, United Kingdom' 'Kenya' 'Spain, Argentina'
'India, United Kingdom, France, Qatar' 'Belgium, France'
'Argentina, Chile' 'United States, Thailand' 'Chile, Brazil'
'United States, Colombia' 'Canada, United States, United Kingdom'
'Uruguay' 'Luxembourg' 'United States, Cambodia, Romania'
'Bangladesh'
'Spain, Belgium, United States'
'United Kingdom, United States, Australia'
'Canada, United States, France' 'Portugal, United States'
'Portugal, Spain' 'India, United States' 'United Kingdom, Ireland'
'United Kingdom, Spain, United States' 'Hungary, United States'
'United States, South Korea' 'Canada, United States, Cayman Islands'

'India, France' 'France, Canada' 'Canada, Hungary, United States'
'Norway' 'Canada, United Kingdom, United States'
'United Kingdom, Germany, France, United States' 'Denmark, United States'
'Senegal' 'France, Algeria'
'United Kingdom, Finland, Germany, United States, Australia, Japan,
France, Ireland'
'Philippines, Canada, United Kingdom, United States'
'Ireland, France, Iceland, United States, Mexico, Belgium, United
Kingdom, Hong Kong'
'Singapore' 'Kuwait' 'United States, France, Serbia'
'United States, Italy' 'Spain, Italy'
'United States, Ireland, United Kingdom, India'
'United Kingdom, Singapore' 'Hong Kong, United States'
'United States, Malta, France, United Kingdom'
'United States, China, Canada' 'Canada, United States, Ireland'
'Lebanon, Canada, France' 'Japan, Canada, United States'
'Spain, France, Canada' 'Denmark, Singapore, Canada, United States'
'United States, France, Denmark' 'United States, China, Colombia'
'Spain, Thailand, United States' 'Mexico, Spain'
'Ireland, Luxembourg, Belgium' 'China, United States' 'Canada,
Belgium'
'Canada, United Kingdom'
'Lebanon, United Arab Emirates, France, Switzerland, Germany'
'France, Belgium, Italy' 'Lebanon, United States, United Arab
Emirates'
'Lebanon, France' 'France, Lebanon' 'France, Lebanon, United Kingdom'
'France, Norway, Lebanon, Belgium'
'Sweden, Czech Republic, United Kingdom, Denmark, Netherlands'
'United States, United Kingdom, India' 'Indonesia, Netherlands'
'Turkey, South Korea' 'Serbia, United States' 'Namibia'
'United Kingdom, Kenya' 'United Kingdom, France, Germany, Spain'
'United Kingdom, France, United States, Belgium, Luxembourg, China,
Germany'
'Thailand, United States' 'United States, France, Canada, Belgium'
'United Kingdom, China' 'Germany, China, United Kingdom'
'Australia, New Zealand, United States'
'Hong Kong, Iceland, United States' 'France, Australia, Germany'
'United States, Belgium, Canada, France' 'South Africa, Angola'
'United States, Philippines'
'United States, United Kingdom, Canada, China'
'United States, Canada, United Kingdom' 'Turkey, United States'
'Peru, Germany, Norway' 'Mozambique' 'Brazil, France'
'China, Spain, South Korea, United States' 'Spain, Germany'
'Hong Kong, China' 'France, Belgium, Luxembourg, Cambodia,'
'United Kingdom, Australia' 'Belarus' 'Indonesia, United Kingdom'
'Switzerland, France, Belgium, United States' 'Ghana'
'Spain, France, Canada, United States' 'Chile, Italy'
'United Kingdom, Nigeria' 'Chile' 'France, Egypt' 'Egypt, France'

'France, Brazil, Spain, Belgium' 'Egypt, Algeria'
'Canada, South Korea, United States' 'Nigeria, United Kingdom'
'United States, France, Canada' 'Poland, United States'
'United Arab Emirates, Jordan, Lebanon, Saudi Arabia'
'United States, Mexico, Spain, Malta'
'Saudi Arabia, United Arab Emirates' 'Zimbabwe'
'United Kingdom, Germany, United Arab Emirates, New Zealand'
'Romania, United States' 'Canada, Nigeria'
'Saudi Arabia, Netherlands, Germany, Jordan, United Arab Emirates,
United States'
'United Kingdom, Spain' 'Finland, France'
'United Kingdom, Germany, United States, France'
'India, United Kingdom, China, Canada, Japan, South Korea, United
States'
'Italy, United Kingdom, France' 'United States, Mexico, Colombia'
'Turkey, India' 'Italy, Turkey' 'United Kingdom, United States,
Japan'
'France, Belgium, United States' 'Puerto Rico, United States,
Colombia'
'Uruguay, Argentina' 'United States, United Kingdom, Japan'
'United States, Argentina' 'United Kingdom, Italy'
'Ireland, United Kingdom'
'United Kingdom, France, Belgium, Canada, United States'
'Netherlands, Germany, Denmark, United Kingdom' 'Hungary'
'Austria, Germany' 'Taiwan, China'
'United Kingdom, United States, Ireland' 'South Korea, United States'
'Brazil, United Kingdom' 'Pakistan, United States'
'Romania, France, Switzerland, Germany' 'Romania, United Kingdom'
'France, Malta, United States' 'Cyprus'
'United Kingdom, France, Belgium, Ireland, United States'
'United States, Norway, Canada' 'Kenya, United States'
'France, South Korea, Japan, United States' 'Taiwan, Malaysia'
'Uruguay, Argentina, Germany, Spain'
'United States, United Kingdom, France, Germany, Japan'
'United States, France, Japan' 'United Kingdom, France, United
States'
'Spain, France, United States' 'Indonesia, South Korea, Singapore'
'United States, Spain' 'Netherlands, Germany, Italy, Canada'
'Spain, Germany, Denmark, United States' 'Norway, Sweden'
'South Korea, Canada, United States, China' 'Argentina, Uruguay,
Serbia'
'France, Japan' 'Mauritius, South Africa' 'United States, Poland'
'United Kingdom, United States, Germany, Denmark, Belgium, Japan'
'India, Germany' 'India, United Kingdom, Canada, United States'
'Philippines, United States' 'Romania, Bulgaria, Hungary'
'Uruguay, Guatemala' 'France, Senegal, Belgium' 'United Kingdom,
Canada'
'Mexico, United States, Spain, Colombia' 'Canada, Norway'
'Singapore, United States' 'Finland, Germany, Belgium'

'United Kingdom, France' 'United States, Chile'
'United Kingdom, Japan, United States' 'Spain, United Kingdom'
'Argentina, United States, Mexico' 'United States, South Korea,
Japan'
'Canada, Australia' 'United Kingdom, Hungary, Australia' 'Italy,
Belgium'
'United States, United Kingdom, Germany' 'Switzerland'
'Singapore, Malaysia'
'France, Belgium, Luxembourg, Romania, Canada, United States'
'South Africa, Nigeria' 'Spain, France' 'United Kingdom, Hong Kong'
'Pakistan' 'Brazil, United States'
'Denmark, Brazil, France, Portugal, Sweden' 'India, Turkey'
'Malaysia, Singapore, Hong Kong' 'Philippines, Singapore'
'Australia, Canada' 'Taiwan, China, France, United States'
'Germany, Italy' 'Colombia, Peru, United Kingdom'
'Thailand, China, United States' 'Argentina, United States'
'Sweden, United States' 'Uruguay, Spain, Mexico'
'France, Luxembourg, Canada' 'Denmark, Spain' 'Chile, Argentina'
'United Kingdom, Belgium, Sweden' 'Canada, Brazil' 'Italy, France'
'Canada, Germany' 'Pakistan, United Arab Emirates' 'Ghana, United
States'
'Mexico, Finland' 'United Arab Emirates, United Kingdom, India'
'Netherlands, Belgium' 'United States, Taiwan'
'Austria, Iraq, United States' 'United Kingdom, Malawi'
'Paraguay, Argentina' 'United Kingdom, Russia, United States'
'India, Pakistan' 'Indonesia, Singapore' 'Spain, Belgium'
'Iceland, Sweden, Belgium' 'Croatia' 'Uruguay, Argentina, Spain'
'United Kingdom, Ireland, United States'
'Canada, Germany, France, United States' 'United Kingdom, Japan'
'Norway, Denmark, Netherlands, Sweden' 'Hong Kong, China, United
States'
'Ireland, Canada' 'Italy, Switzerland, France, Germany'
'Mexico, Netherlands' 'United States, Sweden' 'Germany, France,
Russia'
'France, Iran, United States' 'United Kingdom, India'
'Russia, Poland, Serbia' 'Spain, Portugal' 'Peru' 'Mexico, Argentina'
'United Kingdom, Canada, United States, Cayman Islands'
'Indonesia, United States'
'United States, Israel, United Kingdom, Canada'
'Norway, Iceland, United States' 'Czech Republic, United States'
'United Kingdom, India, United States' 'United Kingdom, West Germany'
'India, Australia' 'United States,'
'Belgium, United Kingdom, United States' 'India, Germany, Austria'
'United States, Brazil, South Korea, Mexico, Japan, Germany'
'Spain, Mexico' 'China, Japan' 'Argentina, France'
'China, United States, United Kingdom'
'France, Luxembourg, United States' 'China, United States, Australia'
'Colombia, Mexico' 'United States, Canada, Ireland' 'Chile, Peru'
'Argentina, Italy' 'Canada, Japan, United States'

'United Kingdom, Canada, United States, Germany'
'Italy, Switzerland, Albania, Poland' 'United States, Japan, Canada'
'Cambodia' 'Italy, United States, Argentina'
'Saudi Arabia, Syria, Egypt, Lebanon, Kuwait'
'United States, Canada, Indonesia, United Kingdom, China, Singapore'
'Spain, Colombia'
'United Kingdom, South Africa, Australia, United States' 'Bulgaria'
'Argentina, Brazil, France, Poland, Germany, Denmark'
'United Kingdom, Spain, United States, Germany' 'Philippines, Qatar'
'Netherlands, Belgium, Germany, Jordan'
'United Arab Emirates, United States' 'Norway, Germany, Sweden'
'South Korea, China' 'Georgia' 'Soviet Union, India'
'Australia, United Arab Emirates' 'Canada, Germany, South Africa'
'South Korea, China, United States' 'India, Soviet Union' 'India,
Mexico'
'Georgia, Germany, France' 'United Arab Emirates, Romania'
'India, Malaysia' 'Germany, Jordan, Netherlands'
'Turkey, France, Germany, Poland' 'Greece, United States'
'France, United Kingdom, United States' 'Norway, Germany'
'France, Morocco' 'Cambodia, United States' 'United States, Denmark'
'United States, Colombia, Mexico'
'United Kingdom, Italy, Israel, Peru, United States'
'Argentina, Uruguay, Spain, France'
'United Kingdom, France, United States, Belgium'
'France, Canada, China, Cambodia'
'United Kingdom, France, Belgium, United States' 'Chile, France'
'Netherlands, United States' 'France, United Kingdom, India'
'Czech Republic, Slovakia' 'Singapore, France' 'Spain, Switzerland'
'United States, Australia, China' 'South Africa, United States,
Germany'
'United States, United Kingdom, Australia' 'Spain, Italy, Argentina'
'Chile, Spain, Argentina, Germany' 'West Germany'
'Austria, Czech Republic' 'Lebanon, Qatar'
'United Kingdom, Jordan, Qatar, Iran' 'France, South Korea, Japan'
'Israel, Germany, France' 'Canada, Japan, Netherlands'
'United States, Hungary' 'France, Germany' 'France, Qatar'
'United Kingdom, Germany, Canada' 'Ireland, South Africa'
'Chile, United States, France' 'Belgium, France, Netherlands'
'United Kingdom, Ukraine, United States'
'Germany, Australia, France, China' 'Norway, United States'
'United States, Bermuda, Ecuador'
'United States, Hungary, Ireland, Canada'
'United Kingdom, Egypt, United States'
'United States, France, United Kingdom' 'Spain, Mexico, France'
'United States, South Africa' 'Hong Kong, China, Singapore'
'South Africa, China, United States' 'Denmark, France, Poland'
'New Zealand, United Kingdom' 'Netherlands, Denmark, South Africa'
'Iran, France' 'United Kingdom, United States, France, Germany'
'Australia, France' 'Ireland, United Kingdom, United States'

'United Kingdom, France, Germany' 'Canada, Luxembourg'
'Brazil, Netherlands, United States, Colombia, Austria, Germany'
'France, Canada, Belgium' 'Canada, France'
'Bulgaria, United States, Spain, Canada' 'Sweden, Netherlands'
'France, United States, Mexico'
'Australia, United Kingdom, United Arab Emirates, Canada'
'Australia, Armenia, Japan, Jordan, Mexico, Mongolia, New Zealand,
Philippines, South Africa, Sweden, United States, Uruguay'
'India, Iran' 'France, Belgium, Spain'
'Denmark, Sweden, Israel, United States' 'United States, Iceland'
'United Kingdom, Russia' 'United States, Israel, Italy, South Africa'
'Netherlands, Denmark, France, Germany' 'South Korea, Japan'
'United Kingdom, Pakistan' 'France, New Zealand'
'United Kingdom, Czech Republic, United States, Germany, Bahamas'
'China, Germany, India, United States' 'Germany, Sri Lanka'
'United States, India, Bangladesh' 'United States, Canada, France'
'Brazil, France, Germany' 'Germany, United States, Hong Kong,
Singapore'
'France, Germany, Switzerland'
'Germany, France, Luxembourg, United Kingdom, United States'
'United Kingdom, Canada, Italy' 'Czech Republic, France'
'Taiwan, Hong Kong, United States, China' 'Germany, Australia'
'United Kingdom, Poland, United States' 'Denmark, Zimbabwe'
'United Kingdom, South Africa' 'Finland, Sweden, Norway, Latvia,
Germany'
'South Africa, United States, New Zealand, Canada'
'United States, Italy, United Kingdom, Liechtenstein'
'Denmark, France, Belgium, Italy, Netherlands, United States, United
Kingdom'
'United States, Australia, Mexico'
'United Kingdom, Czech Republic, Germany, United States'
'France, China, Japan, United States' 'United States, South Korea,
China'
'Germany, Belgium' 'Pakistan, Norway, United States'
'United States, Canada, Belgium, United Kingdom' 'Venezuela'
'Canada, France, Italy, Morocco, United States' 'Canada, Spain,
France'
'United States, Indonesia' 'Spain, France, Italy'
'United Arab Emirates, United States, United Kingdom'
'United Kingdom, Israel, Russia' 'Spain, Cuba' 'United States,
Brazil'
'United States, France, Mexico' 'United States, Nicaragua'
'United Kingdom, United States, Spain, Germany, Greece, Canada'
'Italy, Canada, France' 'United Kingdom, Denmark, Canada, Croatia'
'Italy, Germany' 'United States, France, United Kingdom, Japan'
'United States, United Kingdom, Denmark, Sweden'
'United States, United Kingdom, Italy'
'United States, France, Canada, Spain' 'Russia, United States, China'
'United States, Canada, Germany' 'Ireland, United States'

'United States, United Arab Emirates' 'United States, Ireland'
'Ireland, United Kingdom, Italy, United States' 'Poland,'
'Slovenia, Croatia, Germany, Czech Republic, Qatar'
'Canada, United Kingdom, Netherlands' 'United States, Spain, Germany'
'India, Japan' 'China, South Korea, United States'
'United Kingdom, France, Belgium' 'Canada, Ireland, United States'
'United Kingdom, United States, Dominican Republic'
'United States, Senegal' 'Germany, United Kingdom, United States'
'South Africa, Germany, Netherlands, France'
'Canada, United States, United Kingdom, France, Luxembourg'
'Ireland, United States, France' 'Germany, United States, Canada'
'United Kingdom, Germany, Canada, United States'
'United States, France, Canada, Lebanon, Qatar'
'Netherlands, Belgium, United Kingdom, United States'
'France, Belgium, China, United States' 'United States, Chile,
Israel'
'United Kingdom, Norway, Denmark, Germany, Sweden'
'Norway, Denmark, Sweden' 'China, India, Nepal'
'Colombia, Mexico, United States' 'United Kingdom, South Korea'
'Denmark, China' 'United States, Greece, Brazil' 'South Korea,
France'
'United States, Australia, Samoa, United Kingdom'
'Germany, United Kingdom' 'Argentina, Chile, Peru' 'Turkey,
Azerbaijan'
'Poland, West Germany' 'Germany, United States, Sweden' 'Canada,
Spain'
'United States, Cambodia' 'United States, Greece'
'Norway, United Kingdom, France, Ireland' 'United Kingdom, Poland'
'Israel, Sweden, Germany, Netherlands' 'Switzerland, France'
'Italy, India' 'United States, Botswana'
'Chile, Argentina, France, Spain, United States'
'United States, India, South Korea, China'
'Denmark, Germany, Belgium, United Kingdom, France'
'Denmark, Germany, Belgium, United Kingdom, France, Sweden'
'France, Switzerland, Spain, United States, United Arab Emirates'
'Brazil, India, China, United States'
'Denmark, France, United States, Sweden' 'Australia, Iraq'
'China, Morocco, Hong Kong' 'Canada, United States, Germany'
'United Kingdom, Thailand' 'Venezuela, Colombia'
'Colombia, United States' 'France, Germany, Czech Republic, Belgium'
'Switzerland, Vatican City, Italy, Germany, France'
'Portugal, France, Poland, United States'
'United States, New Zealand, Japan'
'United States, Netherlands, Japan, France' 'India, Switzerland'
'Canada, India' 'United States, Morocco' 'Singapore, Japan, France'
'Canada, Mexico, Germany, South Africa'
'United Kingdom, United States, Canada'
'Germany, France, United States, Canada, United Kingdom'
'United States, Uruguay' 'India, Canada'

'Ireland, Canada, United Kingdom, United States'
'United States, Germany, Australia' 'Australia, France, Ireland'
'Australia, India' 'United States, United Kingdom, Canada, Japan'
'Sweden, United Kingdom, Finland' 'Hong Kong, Taiwan'
'United States, United Kingdom, Spain, South Korea' 'Guatemala'
'Ukraine'
'Italy, South Africa, West Germany, Australia, United States'
'United States, Germany, United Kingdom, Australia'
'Italy, France, Switzerland' 'Canada, France, United States'
'Switzerland, United States' 'Thailand, Canada, United States'
'China, Hong Kong, United States' 'United Kingdom, New Zealand'
'Czech Republic, United Kingdom, France'
'Australia, United Kingdom, Canada' 'Jamaica, United States'
'Australia, United Kingdom, United States, New Zealand, Italy,
France'
'France, United States, Canada'
'United Kingdom, France, Canada, Belgium, United States'
'Denmark, United Kingdom, Sweden' 'United States, Hong Kong'
'United States, Kazakhstan'
'Argentina, France, United States, Germany, Qatar'
'United States, Germany, United Kingdom'
'United States, Germany, United Kingdom, Italy'
'United States, New Zealand, United Kingdom' 'Finland, United States'
'Spain, France, Uruguay' 'France, Canada, United States'
'United States, Canada, China'
'Ireland, Canada, Luxembourg, United States, United Kingdom,
Philippines, India'
'United States, Czech Republic, United Kingdom' 'Israel, Germany'
'Mexico, France'
'Israel, Germany, Poland, Luxembourg, Belgium, France, United States'
'Austria, United States' 'United Kingdom, Lithuania'
'United States, Greece, United Kingdom'
'United Kingdom, China, United States, India'
'United States, Sweden, Norway' 'United Kingdom, United States,
Morocco'
'United States, United Kingdom, Morocco' 'Spain, Canada, United
States'
'United States, India, United Arab Emirates'
'United Kingdom, Canada, France, United States' 'India, Germany,
France'
'Belgium, Ireland, Netherlands, Germany, Afghanistan'
'France, Canada, Italy, United States, China'
'Ireland, United Kingdom, Greece, France, Netherlands'
'Denmark, Indonesia, Finland, Norway, United Kingdom, Israel, France,
United States, Germany, Netherlands'
'New Zealand, United States'
'United States, Australia, South Africa, United Kingdom'
'United States, Germany, Mexico'
'Somalia, Kenya, Sudan, South Africa, United States'

'United States, Canada, Japan, Panama' 'United Kingdom, Spain, Belgium'
'Serbia, South Korea, Slovenia'
'Denmark, United Kingdom, South Africa, Sweden, Belgium'
'Germany, Canada, United States'
'Ireland, Canada, United States, United Kingdom'
'New Zealand, United Kingdom, Australia'
'United Kingdom, Australia, Canada, United States'
'Germany, United States, Italy' 'United States, Venezuela'
'United Kingdom, Canada, Japan'
'United Kingdom, United States, Czech Republic'
'United Kingdom, China, United States' 'United Kingdom, Brazil, Germany'
'United Kingdom, Namibia, South Africa, Zimbabwe, United States'
'Canada, United States, India, United Kingdom'
'Switzerland, United Kingdom, United States'
'United Kingdom, India, Sweden'
'United States, Brazil, India, Uganda, China'
'Peru, United States, United Kingdom'
'Germany, United States, United Kingdom, Canada'
'Canada, India, Thailand, United States, United Arab Emirates'
'United States, East Germany, West Germany'
'France, Netherlands, South Africa, Finland'
'Egypt, Austria, United States' 'Russia, Spain'
'Croatia, Slovenia, Serbia, Montenegro' 'Japan, Canada'
'United States, France, South Korea, Indonesia'
'United Arab Emirates, Jordan']
(col) : ['September 25, 2021' 'September 24, 2021' 'September 23, 2021' ...
'December 6, 2018' 'March 9, 2016' 'January 11, 2020']
(col) : ['PG-13' 'TV-MA' 'PG' 'TV-14' 'TV-PG' 'TV-Y' 'TV-Y7' 'R' 'TV-G'
'NC-17' '74 min' '84 min' '66 min' 'NR' nan 'TV-Y7-FV' 'UR']
(col) : ['90 min' '2 Seasons' '1 Season' '91 min' '125 min' '9 Seasons' '104 min'
'127 min' '4 Seasons' '67 min' '94 min' '5 Seasons' '161 min' '61 min'
'166 min' '147 min' '103 min' '97 min' '106 min' '111 min' '3 Seasons'
'110 min' '105 min' '96 min' '124 min' '116 min' '98 min' '23 min'
'115 min' '122 min' '99 min' '88 min' '100 min' '6 Seasons' '102 min'
'93 min' '95 min' '85 min' '83 min' '113 min' '13 min' '182 min' '48 min'
'145 min' '87 min' '92 min' '80 min' '117 min' '128 min' '119 min'
'143 min' '114 min' '118 min' '108 min' '63 min' '121 min' '142 min'
'154 min' '120 min' '82 min' '109 min' '101 min' '86 min' '229 min'
'76 min' '89 min' '156 min' '112 min' '107 min' '129 min' '135 min'
'136 min' '165 min' '150 min' '133 min' '70 min' '84 min' '140 min'
'78 min' '7 Seasons' '64 min' '59 min' '139 min' '69 min' '148 min'
'189 min' '141 min' '130 min' '138 min' '81 min' '132 min' '10

```
Seasons'
['123 min' '65 min' '68 min' '66 min' '62 min' '74 min' '131 min' '39
min'
 '46 min' '38 min' '8 Seasons' '17 Seasons' '126 min' '155 min' '159
min'
 '137 min' '12 min' '273 min' '36 min' '34 min' '77 min' '60 min' '49
min'
 '58 min' '72 min' '204 min' '212 min' '25 min' '73 min' '29 min' '47
min'
 '32 min' '35 min' '71 min' '149 min' '33 min' '15 min' '54 min' '224
min'
 '162 min' '37 min' '75 min' '79 min' '55 min' '158 min' '164 min'
 '173 min' '181 min' '185 min' '21 min' '24 min' '51 min' '151 min'
 '42 min' '22 min' '134 min' '177 min' '13 Seasons' '52 min' '14 min'
 '53 min' '8 min' '57 min' '28 min' '50 min' '9 min' '26 min' '45 min'
 '171 min' '27 min' '44 min' '146 min' '20 min' '157 min' '17 min'
 '203 min' '41 min' '30 min' '194 min' '15 Seasons' '233 min' '237
min'
 '230 min' '195 min' '253 min' '152 min' '190 min' '160 min' '208 min'
 '180 min' '144 min' '5 min' '174 min' '170 min' '192 min' '209 min'
 '187 min' '172 min' '16 min' '186 min' '11 min' '193 min' '176 min'
 '56 min' '169 min' '40 min' '10 min' '3 min' '168 min' '312 min'
 '153 min' '214 min' '31 min' '163 min' '19 min' '12 Seasons' nan
 '179 min' '11 Seasons' '43 min' '200 min' '196 min' '167 min' '178
min'
 '228 min' '18 min' '205 min' '201 min' '191 min']
(col) : ['Documentaries' 'International TV Shows, TV Dramas, TV
Mysteries'
 'Crime TV Shows, International TV Shows, TV Action & Adventure'
 'Docuseries, Reality TV'
 'International TV Shows, Romantic TV Shows, TV Comedies'
 'TV Dramas, TV Horror, TV Mysteries' 'Children & Family Movies'
 'Dramas, Independent Movies, International Movies'
 'British TV Shows, Reality TV' 'Comedies, Dramas'
 'Crime TV Shows, Docuseries, International TV Shows'
 'Dramas, International Movies' 'Children & Family Movies, Comedies'
 'British TV Shows, Crime TV Shows, Docuseries' 'TV Comedies, TV
Dramas'
 'Documentaries, International Movies'
 'Crime TV Shows, Spanish-Language TV Shows, TV Dramas' 'Thrillers'
 'International TV Shows, Spanish-Language TV Shows, TV Action &
Adventure'
 'International TV Shows, TV Action & Adventure, TV Dramas'
 'Comedies, International Movies'
 'Comedies, International Movies, Romantic Movies'
 'Docuseries, International TV Shows, Reality TV'
 'Comedies, International Movies, Music & Musicals' 'Comedies'
 'Horror Movies, Sci-Fi & Fantasy' 'TV Comedies'
 'British TV Shows, International TV Shows, TV Comedies'
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'International TV Shows, TV Dramas, TV Thrillers' "Kids' TV"
'Dramas, International Movies, Thrillers'
'Action & Adventure, Dramas, International Movies'
"Kids' TV, TV Comedies" 'Action & Adventure, Dramas'
"Kids' TV, TV Sci-Fi & Fantasy"
'Action & Adventure, Classic Movies, Dramas'
'Dramas, Horror Movies, Thrillers'
'Action & Adventure, Horror Movies, Thrillers' 'Action & Adventure'
'Dramas, Thrillers' 'International TV Shows, TV Dramas'
'International TV Shows, TV Dramas, TV Sci-Fi & Fantasy'
'Action & Adventure, Anime Features, International Movies' 'Reality
TV'
'Docuseries, International TV Shows'
'Documentaries, International Movies, Sports Movies'
'International TV Shows, Reality TV, Romantic TV Shows'
'British TV Shows, Docuseries, International TV Shows'
'Anime Series, International TV Shows'
'Comedies, Dramas, International Movies'
'Crime TV Shows, TV Comedies, TV Dramas'
'Action & Adventure, Comedies, Dramas' "Anime Series, Kids' TV"
'International Movies, Thrillers' "Kids' TV, Korean TV Shows"
'Documentaries, Sports Movies' 'Sci-Fi & Fantasy, Thrillers'
'Dramas, International Movies, Romantic Movies'
'Documentaries, Music & Musicals'
"Kids' TV, TV Comedies, TV Sci-Fi & Fantasy" "British TV Shows, Kids'
TV"
'Docuseries, Science & Nature TV' 'Children & Family Movies, Dramas'
"Kids' TV, TV Dramas, Teen TV Shows"
'Crime TV Shows, International TV Shows, Spanish-Language TV Shows'
'Docuseries, International TV Shows, Spanish-Language TV Shows'
'Dramas'
'Comedies, Romantic Movies' 'Dramas, Romantic Movies'
'Comedies, Dramas, Independent Movies'
'Crime TV Shows, TV Action & Adventure, TV Comedies'
'Children & Family Movies, Music & Musicals'
'Action & Adventure, Classic Movies, Cult Movies'
'International TV Shows, TV Action & Adventure, TV Comedies'
'Action & Adventure, Sci-Fi & Fantasy' 'Action & Adventure, Comedies'
'Classic Movies, Comedies, Dramas' 'Comedies, Cult Movies'
'Comedies, Cult Movies, Music & Musicals' 'Comedies, Music &
Musicals'
'TV Shows' 'Action & Adventure, International Movies'
'Anime Series, International TV Shows, Teen TV Shows'
'Action & Adventure, Children & Family Movies, Cult Movies'
'Comedies, Dramas, Romantic Movies'
'Comedies, Cult Movies, Sci-Fi & Fantasy' 'Classic Movies, Dramas'
'Action & Adventure, Children & Family Movies, Comedies'
'Dramas, Faith & Spirituality' 'Documentaries, LGBTQ Movies'
'Action & Adventure, Classic Movies' 'Docuseries'

'International TV Shows, TV Comedies' 'Dramas, Independent Movies'
'Action & Adventure, Comedies, International Movies'
'International TV Shows, Spanish-Language TV Shows, TV Dramas'
'Crime TV Shows, International TV Shows, TV Dramas'
'Action & Adventure, Horror Movies, International Movies'
'Comedies, International Movies, Sci-Fi & Fantasy'
'Action & Adventure, International Movies, Music & Musicals'
'Dramas, International Movies, Music & Musicals'
'Horror Movies, International Movies' 'Reality TV, Teen TV Shows'
'Crime TV Shows, TV Dramas, TV Mysteries'
'International TV Shows, Reality TV'
'International TV Shows, TV Comedies, TV Dramas'
'Dramas, Independent Movies, Romantic Movies' 'Horror Movies'
'Documentaries, LGBTQ Movies, Sports Movies'
'Horror Movies, International Movies, Thrillers'
'Action & Adventure, Anime Features'
'TV Dramas, TV Mysteries, TV Sci-Fi & Fantasy'
'International TV Shows, Spanish-Language TV Shows, TV Comedies'
'Children & Family Movies, Comedies, Music & Musicals'
'Comedies, Independent Movies'
'Anime Series, International TV Shows, Romantic TV Shows'
'Classic Movies, Dramas, Independent Movies'
'International TV Shows, Romantic TV Shows, Spanish-Language TV Shows'
'International TV Shows, TV Dramas, Teen TV Shows' 'Stand-Up Comedy'
'Action & Adventure, Anime Features, Children & Family Movies'
'International TV Shows, Romantic TV Shows, TV Dramas'
'International Movies, Music & Musicals'
'TV Action & Adventure, TV Dramas, TV Mysteries'
'Horror Movies, Independent Movies, International Movies'
'Comedies, Cult Movies, International Movies'
'Classic Movies, Dramas, International Movies' 'Movies'
'Crime TV Shows, Docuseries'
'Children & Family Movies, Comedies, Sci-Fi & Fantasy'
'Anime Series, International TV Shows, TV Thrillers'
'Action & Adventure, Horror Movies, Sci-Fi & Fantasy'
'Classic Movies, Comedies, Cult Movies' 'TV Dramas, Teen TV Shows'
'Action & Adventure, Sci-Fi & Fantasy, Thrillers'
'Children & Family Movies, Comedies, Dramas' 'Dramas, Sports Movies'
'Action & Adventure, Dramas, Sci-Fi & Fantasy'
'Action & Adventure, Comedies, Cult Movies'
'Dramas, Independent Movies, Thrillers' 'TV Dramas, TV Sci-Fi & Fantasy'
'Action & Adventure, International Movies, Thrillers'
'British TV Shows, International TV Shows, Reality TV'
'TV Action & Adventure, TV Dramas, Teen TV Shows' 'Anime Series'
'Crime TV Shows, TV Action & Adventure, TV Sci-Fi & Fantasy'
'Crime TV Shows, International TV Shows, TV Comedies'
'Stand-Up Comedy & Talk Shows, TV Comedies'

'Classic & Cult TV, TV Action & Adventure, TV Dramas'
'Children & Family Movies, Sports Movies'
'TV Action & Adventure, TV Sci-Fi & Fantasy'
'Anime Series, Stand-Up Comedy & Talk Shows' 'TV Dramas'
'Anime Features, Children & Family Movies, International Movies'
'Classic & Cult TV, Crime TV Shows, International TV Shows'
'Crime TV Shows, International TV Shows, Romantic TV Shows'
'Horror Movies, LGBTQ Movies'
'Action & Adventure, Dramas, Romantic Movies'
'Documentaries, International Movies, Music & Musicals'
'TV Comedies, TV Dramas, Teen TV Shows'
'Children & Family Movies, Comedies, Sports Movies'
'Children & Family Movies, Dramas, International Movies'
'Comedies, Documentaries, International Movies'
'Romantic TV Shows, TV Dramas' 'Anime Series, TV Horror, TV Thrillers'

'International Movies, Romantic Movies'
'TV Action & Adventure, TV Dramas, TV Sci-Fi & Fantasy'
"Kids' TV, Korean TV Shows, TV Comedies"
'British TV Shows, Crime TV Shows, International TV Shows'
'Crime TV Shows, TV Horror, TV Mysteries'
'Docuseries, International TV Shows, Science & Nature TV'
'British TV Shows, International TV Shows, TV Dramas'
"Kids' TV, TV Action & Adventure, TV Sci-Fi & Fantasy"
'International Movies, Romantic Movies, Thrillers'
'Action & Adventure, Cult Movies, International Movies'
'Action & Adventure, Comedies, Sci-Fi & Fantasy'
"International TV Shows, Kids' TV, TV Mysteries"
'Action & Adventure, Thrillers'
'Dramas, Faith & Spirituality, International Movies'
'Action & Adventure, Classic Movies, Comedies'
'Action & Adventure, Comedies, Sports Movies'
'Action & Adventure, Children & Family Movies, Classic Movies'
'Action & Adventure, Children & Family Movies, Dramas'
'Horror Movies, Thrillers' 'Action & Adventure, Romantic Movies'
'Dramas, Romantic Movies, Sci-Fi & Fantasy'
'Dramas, Music & Musicals, Romantic Movies'
'Anime Series, Crime TV Shows, International TV Shows'
'Reality TV, Romantic TV Shows'
'International Movies, Music & Musicals, Romantic Movies'
'Reality TV, TV Action & Adventure, TV Mysteries'
'Crime TV Shows, TV Dramas'
'International TV Shows, Reality TV, Spanish-Language TV Shows'
'Crime TV Shows, TV Dramas, TV Thrillers' 'British TV Shows, Docuseries'

'International TV Shows, Korean TV Shows, TV Comedies'
'Action & Adventure, Anime Features, Classic Movies'
'TV Action & Adventure, TV Dramas, TV Horror'
'Crime TV Shows, International TV Shows, TV Thrillers'

'Anime Series, Crime TV Shows, TV Horror' 'Anime Features, Documentaries'

'Comedies, Horror Movies'

'International TV Shows, Spanish-Language TV Shows, Stand-Up Comedy & Talk Shows'

'Children & Family Movies, Documentaries, International Movies'

'Romantic TV Shows, TV Comedies, TV Dramas'

'Dramas, Faith & Spirituality, Romantic Movies'

'Dramas, Independent Movies, LGBTQ Movies'

'Comedies, Independent Movies, LGBTQ Movies'

'Action & Adventure, Cult Movies, Sci-Fi & Fantasy'

'Cult Movies, Horror Movies' 'Action & Adventure, Dramas, Sports Movies'

'Anime Series, Romantic TV Shows, Teen TV Shows'

'Dramas, International Movies, LGBTQ Movies'

'Dramas, Romantic Movies, Thrillers'

'Children & Family Movies, Dramas, Faith & Spirituality'

'Dramas, International Movies, Sports Movies'

'Action & Adventure, Horror Movies'

'Documentaries, International Movies, LGBTQ Movies'

'Dramas, Independent Movies, Sci-Fi & Fantasy'

'Comedies, Independent Movies, International Movies'

'Reality TV, TV Horror, TV Thrillers'

'TV Action & Adventure, TV Horror, TV Sci-Fi & Fantasy'

'International TV Shows, TV Horror, TV Sci-Fi & Fantasy'

'Independent Movies, International Movies, Thrillers'

'Independent Movies, Thrillers' 'Documentaries, Dramas'

'Action & Adventure, Sports Movies'

'Dramas, International Movies, Sci-Fi & Fantasy'

'Comedies, Independent Movies, Romantic Movies'

'Horror Movies, Romantic Movies, Sci-Fi & Fantasy'

'International TV Shows, Stand-Up Comedy & Talk Shows'

'Action & Adventure, Anime Features, Horror Movies'

'Cult Movies, Dramas, Music & Musicals' 'TV Dramas, TV Thrillers'

'Crime TV Shows, International TV Shows, Korean TV Shows'

'TV Horror, TV Mysteries, TV Thrillers'

'Comedies, Horror Movies, International Movies'

'Crime TV Shows, Docuseries, TV Mysteries'

'Comedies, International Movies, Sports Movies'

'Classic Movies, Music & Musicals' 'Reality TV, TV Comedies, TV Horror'

'Children & Family Movies, Faith & Spirituality, Music & Musicals'

'International TV Shows, Korean TV Shows, Stand-Up Comedy & Talk Shows'

'Dramas, Music & Musicals'

'Docuseries, Science & Nature TV, TV Action & Adventure'

"British TV Shows, Kids' TV, TV Dramas"

'International TV Shows, Korean TV Shows, Romantic TV Shows'

'Horror Movies, Independent Movies'

"Anime Series, Kids' TV, TV Action & Adventure"
'Comedies, Dramas, Music & Musicals' 'TV Horror, Teen TV Shows'
'Comedies, LGBTQ Movies, Thrillers'
'Docuseries, Reality TV, Science & Nature TV'
'Crime TV Shows, Spanish-Language TV Shows, TV Action & Adventure'
'Romantic TV Shows, Teen TV Shows' 'TV Comedies, Teen TV Shows'
'Romantic TV Shows, TV Dramas, Teen TV Shows'
'Children & Family Movies, Sci-Fi & Fantasy'
'Romantic TV Shows, TV Action & Adventure, TV Dramas'
'Comedies, International Movies, LGBTQ Movies' 'Dramas, Sci-Fi & Fantasy'
"Kids' TV, TV Thrillers"
'TV Action & Adventure, TV Comedies, TV Sci-Fi & Fantasy'
'British TV Shows, Romantic TV Shows, TV Dramas'
'Anime Series, International TV Shows, Spanish-Language TV Shows'
'Docuseries, TV Comedies' 'Comedies, Romantic Movies, Sports Movies'
'TV Action & Adventure, TV Comedies, TV Dramas'
'Children & Family Movies, Dramas, Sports Movies'
'Action & Adventure, Dramas, Independent Movies'
'Spanish-Language TV Shows, TV Dramas' 'Dramas, LGBTQ Movies'
'TV Horror, TV Mysteries, TV Sci-Fi & Fantasy'
'Action & Adventure, Dramas, Faith & Spirituality'
'International TV Shows, TV Mysteries, TV Thrillers'
'British TV Shows, Classic & Cult TV, International TV Shows'
'Action & Adventure, Comedies, Independent Movies' 'Music & Musicals'
"British TV Shows, Kids' TV, TV Comedies"
'Docuseries, Spanish-Language TV Shows'
'Dramas, Independent Movies, Sports Movies'
'TV Dramas, TV Mysteries, TV Thrillers'
'Comedies, LGBTQ Movies, Music & Musicals'
'International TV Shows, TV Action & Adventure, TV Mysteries'
"Kids' TV, TV Comedies, Teen TV Shows"
'International TV Shows, TV Dramas, TV Horror'
'Comedies, International Movies, Thrillers'
'Classic & Cult TV, TV Action & Adventure, TV Sci-Fi & Fantasy'
'International TV Shows, TV Horror, TV Mysteries'
'Children & Family Movies, Documentaries'
'Music & Musicals, Romantic Movies' 'Romantic Movies'
'Children & Family Movies, Classic Movies, Comedies'
'TV Action & Adventure, TV Dramas'
'Dramas, LGBTQ Movies, Romantic Movies'
'Children & Family Movies, Comedies, Romantic Movies'
'Comedies, Sports Movies' 'International Movies'
'International TV Shows, Romantic TV Shows, TV Mysteries'
'Stand-Up Comedy & Talk Shows'
'Action & Adventure, International Movies, Romantic Movies'
'Reality TV, TV Comedies' 'Cult Movies, Dramas, International Movies'
"Kids' TV, TV Dramas"
'Crime TV Shows, International TV Shows, TV Mysteries'

'Action & Adventure, Sci-Fi & Fantasy, Sports Movies'
'TV Dramas, TV Sci-Fi & Fantasy, TV Thrillers'
'Romantic TV Shows, TV Dramas, TV Sci-Fi & Fantasy'
'Docuseries, TV Sci-Fi & Fantasy' 'Anime Features, International Movies'
"British TV Shows, Classic & Cult TV, Kids' TV"
'British TV Shows, Reality TV, Romantic TV Shows'
'Documentaries, Faith & Spirituality, International Movies'
"Kids' TV, Reality TV, TV Dramas" 'LGBTQ Movies, Thrillers'
'TV Action & Adventure, TV Mysteries, TV Sci-Fi & Fantasy'
'Reality TV, Science & Nature TV'
"Kids' TV, TV Action & Adventure, TV Comedies"
'International TV Shows, Romantic TV Shows, TV Action & Adventure'
'Children & Family Movies, Dramas, Independent Movies'
'Comedies, Music & Musicals, Romantic Movies'
'International TV Shows, Korean TV Shows, Reality TV'
'Classic & Cult TV, TV Dramas, TV Sci-Fi & Fantasy'
'Anime Features, Children & Family Movies'
'Action & Adventure, International Movies, Sci-Fi & Fantasy'
'Crime TV Shows, TV Action & Adventure, TV Dramas'
'Classic & Cult TV, TV Action & Adventure, TV Horror'
'International TV Shows, Korean TV Shows, TV Dramas'
'International TV Shows, TV Action & Adventure, TV Horror'
'Action & Adventure, Comedies, Romantic Movies'
"International TV Shows, Korean TV Shows, TV Action & Adventure"
"Classic & Cult TV, Kids' TV, TV Action & Adventure"
'Anime Series, International TV Shows, TV Horror'
'International TV Shows, Korean TV Shows, TV Horror'
'Children & Family Movies, Comedies, International Movies'
'International Movies, Sci-Fi & Fantasy'
'International Movies, Sci-Fi & Fantasy, Thrillers'
'Children & Family Movies, Dramas, Romantic Movies'
'Anime Series, Romantic TV Shows' 'Comedies, Dramas, LGBTQ Movies'
'British TV Shows, International TV Shows, TV Action & Adventure'
'Docuseries, Science & Nature TV, TV Comedies'
'International TV Shows, Stand-Up Comedy & Talk Shows, TV Comedies'
'Children & Family Movies, Dramas, Music & Musicals'
'Action & Adventure, Independent Movies, International Movies'
'Action & Adventure, Children & Family Movies, Sci-Fi & Fantasy'
'Horror Movies, Independent Movies, Sci-Fi & Fantasy'
'TV Dramas, TV Sci-Fi & Fantasy, Teen TV Shows'
'Anime Features, International Movies, Sci-Fi & Fantasy'
'Dramas, Independent Movies, Music & Musicals'
"Kids' TV, TV Comedies, TV Dramas"
'Children & Family Movies, Documentaries, Sports Movies'
'Independent Movies, Sci-Fi & Fantasy, Thrillers'
'Anime Features, Music & Musicals, Sci-Fi & Fantasy'
'TV Comedies, TV Dramas, TV Sci-Fi & Fantasy'
'Crime TV Shows, TV Action & Adventure'

'Comedies, Faith & Spirituality, Romantic Movies'
"Kids' TV, TV Action & Adventure"
'Action & Adventure, Independent Movies'
'International TV Shows, Reality TV, TV Comedies'
'Docuseries, Reality TV, Teen TV Shows'
'Crime TV Shows, International TV Shows, Reality TV'
'Anime Series, Teen TV Shows'
'Crime TV Shows, Romantic TV Shows, TV Dramas'
'Anime Features, Romantic Movies'
'Horror Movies, Sci-Fi & Fantasy, Thrillers'
'International TV Shows, TV Comedies, TV Sci-Fi & Fantasy'
'International TV Shows, Romantic TV Shows'
'Anime Features, Music & Musicals'
'Anime Features, International Movies, Romantic Movies'
'International TV Shows, Romantic TV Shows, Teen TV Shows'
'Docuseries, Stand-Up Comedy & Talk Shows'
'Horror Movies, Independent Movies, Thrillers'
'TV Action & Adventure, TV Comedies, TV Horror'
'Documentaries, Stand-Up Comedy' "Kids' TV, Spanish-Language TV Shows"
"British TV Shows, Kids' TV, TV Thrillers"
"Kids' TV, TV Action & Adventure, TV Dramas"
'Anime Series, Crime TV Shows' 'Dramas, Sci-Fi & Fantasy, Thrillers'
'TV Comedies, TV Dramas, TV Horror'
'Children & Family Movies, Comedies, LGBTQ Movies'
'International TV Shows, TV Action & Adventure, TV Sci-Fi & Fantasy'
'Docuseries, TV Dramas'
'Horror Movies, International Movies, Romantic Movies'
'Crime TV Shows, Docuseries, Science & Nature TV'
'International Movies, Music & Musicals, Thrillers'
"Kids' TV, Spanish-Language TV Shows, Teen TV Shows"
'Comedies, Horror Movies, Independent Movies'
'Action & Adventure, International Movies, Sports Movies'
'Action & Adventure, Independent Movies, Sci-Fi & Fantasy'
'Horror Movies, LGBTQ Movies, Music & Musicals'
'Comedies, Music & Musicals, Sports Movies'
'TV Horror, TV Mysteries, Teen TV Shows' 'Romantic TV Shows, TV Comedies'
"Kids' TV, Reality TV, Science & Nature TV"
'International Movies, Romantic Movies, Sci-Fi & Fantasy'
'TV Comedies, TV Horror, TV Thrillers' 'TV Action & Adventure'
'International TV Shows, Spanish-Language TV Shows, TV Horror'
'Crime TV Shows, TV Action & Adventure, TV Thrillers'
'Music & Musicals, Stand-Up Comedy' 'British TV Shows, TV Comedies'
'TV Comedies, TV Sci-Fi & Fantasy, Teen TV Shows'
'TV Comedies, TV Sci-Fi & Fantasy'
'Romantic TV Shows, Spanish-Language TV Shows, TV Comedies'
'Crime TV Shows, International TV Shows, TV Sci-Fi & Fantasy'
'British TV Shows, International TV Shows, Romantic TV Shows'

"Crime TV Shows, Kids' TV"
'Horror Movies, International Movies, Sci-Fi & Fantasy'
'TV Comedies, TV Mysteries'
'Cult Movies, Horror Movies, Independent Movies'
'British TV Shows, Docuseries, TV Comedies' 'Comedies, Documentaries'
'Reality TV, Science & Nature TV, TV Action & Adventure'
'TV Comedies, TV Dramas, TV Mysteries'
'Crime TV Shows, TV Comedies, Teen TV Shows'
'Docuseries, Kids' TV, Science & Nature TV"
'Reality TV, Spanish-Language TV Shows'
'Action & Adventure, Anime Features, Sci-Fi & Fantasy'
"Crime TV Shows, Kids' TV, TV Comedies"
'Dramas, Faith & Spirituality, Independent Movies'
'Documentaries, Faith & Spirituality'
'British TV Shows, International TV Shows, Stand-Up Comedy & Talk Shows'
'Comedies, Dramas, Faith & Spirituality' 'Classic & Cult TV, TV Comedies'
'Dramas, Romantic Movies, Sports Movies'
'Stand-Up Comedy & Talk Shows, TV Mysteries, TV Sci-Fi & Fantasy'
'TV Sci-Fi & Fantasy, TV Thrillers'
'Comedies, Independent Movies, Music & Musicals'
'Comedies, Cult Movies, Independent Movies'
'Documentaries, Dramas, International Movies'
'British TV Shows, TV Horror, TV Thrillers'
'British TV Shows, Docuseries, Science & Nature TV'
'Children & Family Movies, Comedies, Cult Movies' 'Sports Movies'
'Sci-Fi & Fantasy' 'Comedies, LGBTQ Movies'
'Comedies, Independent Movies, Thrillers'
'Classic Movies, Cult Movies, Dramas'
'British TV Shows, TV Comedies, TV Dramas'
'Action & Adventure, Children & Family Movies, Independent Movies'
'Action & Adventure, Documentaries, International Movies'
'Children & Family Movies, Independent Movies'
'Comedies, Cult Movies, Dramas'
'International TV Shows, TV Horror, TV Thrillers'
'Classic Movies, Thrillers' 'Crime TV Shows, TV Dramas, TV Horror'
'British TV Shows, Docuseries, Reality TV'
'Documentaries, LGBTQ Movies, Music & Musicals'
'Classic Movies, Dramas, Romantic Movies'
'Crime TV Shows, Romantic TV Shows, Spanish-Language TV Shows'
'Classic Movies, Cult Movies, Horror Movies'
'Anime Series, Crime TV Shows, TV Thrillers'
'Children & Family Movies, Classic Movies'
'Classic Movies, Comedies, International Movies'
'Comedies, Sci-Fi & Fantasy' 'Action & Adventure, Cult Movies,
Dramas'
'Documentaries, Faith & Spirituality, Music & Musicals'
'British TV Shows, Classic & Cult TV, TV Comedies'

'International Movies, Sports Movies' 'International TV Shows'
"Classic & Cult TV, Kids' TV, Spanish-Language TV Shows"
'Romantic TV Shows, Spanish-Language TV Shows, TV Dramas'
'Children & Family Movies, Comedies, Faith & Spirituality'
'British TV Shows, Crime TV Shows, TV Dramas'
'Classic Movies, Dramas, Music & Musicals'
'Cult Movies, Horror Movies, Thrillers'
'Action & Adventure, Classic Movies, Sci-Fi & Fantasy'
'TV Action & Adventure, TV Comedies'
'Classic Movies, Comedies, Music & Musicals' 'Independent Movies'
'Documentaries, Horror Movies'
'Classic & Cult TV, TV Horror, TV Mysteries'
'Comedies, Faith & Spirituality, International Movies'
'Dramas, Horror Movies, Sci-Fi & Fantasy'
'British TV Shows, TV Dramas, TV Sci-Fi & Fantasy'
'Comedies, Cult Movies, Horror Movies'
'Comedies, Cult Movies, Sports Movies' 'Classic Movies,
Documentaries'
'Action & Adventure, Faith & Spirituality, Sci-Fi & Fantasy'
'Action & Adventure, Children & Family Movies'
'International TV Shows, Reality TV, TV Action & Adventure'
'Docuseries, Science & Nature TV, TV Dramas' 'Anime Features'
'Action & Adventure, Horror Movies, Independent Movies'
'Action & Adventure, Classic Movies, International Movies'
'Cult Movies, Independent Movies, Thrillers'
'Crime TV Shows, TV Comedies'
'Classic Movies, Cult Movies, Documentaries'
"Classic & Cult TV, Kids' TV, TV Comedies"
'Classic Movies, Dramas, LGBTQ Movies'
'Classic Movies, Dramas, Sports Movies' 'Action & Adventure, Cult
Movies'
'Action & Adventure, Comedies, Music & Musicals'
'Classic Movies, Horror Movies, Thrillers'
'Classic Movies, Comedies, Independent Movies'
'Children & Family Movies, Classic Movies, Dramas'
'Dramas, Faith & Spirituality, Sports Movies'
'Classic Movies, Comedies, Romantic Movies'
'Dramas, Horror Movies, Music & Musicals'
'Classic Movies, Independent Movies, Thrillers'
'Children & Family Movies, Faith & Spirituality'
'Classic Movies, Comedies, Sports Movies'
'Comedies, Dramas, Sports Movies'
'Action & Adventure, Romantic Movies, Sci-Fi & Fantasy'
'Classic & Cult TV, TV Sci-Fi & Fantasy'
'Comedies, Cult Movies, LGBTQ Movies'
'Comedies, Horror Movies, Sci-Fi & Fantasy'
'Action & Adventure, Comedies, Horror Movies'
'Classic & Cult TV, Crime TV Shows, TV Dramas'
'Action & Adventure, Documentaries, Sports Movies'

```

'International Movies, LGBTQ Movies, Romantic Movies'
'Cult Movies, Dramas, Thrillers']
(col) : ['As her father nears the end of his life, filmmaker Kirsten
Johnson stages his death in inventive and comical ways to help them
both face the inevitable.'
'After crossing paths at a party, a Cape Town teen sets out to prove
whether a private-school swimming star is her sister who was abducted
at birth.'
'To protect his family from a powerful drug lord, skilled thief Mehdi
and his expert team of robbers are pulled into a violent and deadly
turf war.'
...
'Looking to survive in a world taken over by zombies, a dorky college
student teams with an urban roughneck and a pair of grifter sisters.'
'Dragged from civilian life, a former superhero must train a new crop
of youthful saviors when the military preps for an attack by a
familiar villain.'
"A scrappy but poor boy worms his way into a tycoon's dysfunctional
family, while facing his fear of music and the truth about his past."]

```

4.Data pre-Processing

4.1 Handling Missing Values

```

df["director"].fillna("Not Available", inplace=True)
df["cast"].fillna("Not Available", inplace=True)
df["country"].fillna("Not Available", inplace=True)
df["date_added"].fillna(df["date_added"].mode()[0], inplace=True)
df["rating"].fillna(df["rating"].mode()[0], inplace=True)
df["duration"].fillna(df["duration"].mode()[0], inplace=True)

```

4.2 Handling Duplicate Records

```

df.drop_duplicates(inplace=True)

df.isnull().sum()

show_id      0
type         0
title        0
director     0
cast          0
country       0
date_added   0
release_year 0
rating        0
duration      0
listed_in     0

```

```
description      0
dtype: int64

df.duplicated().sum()

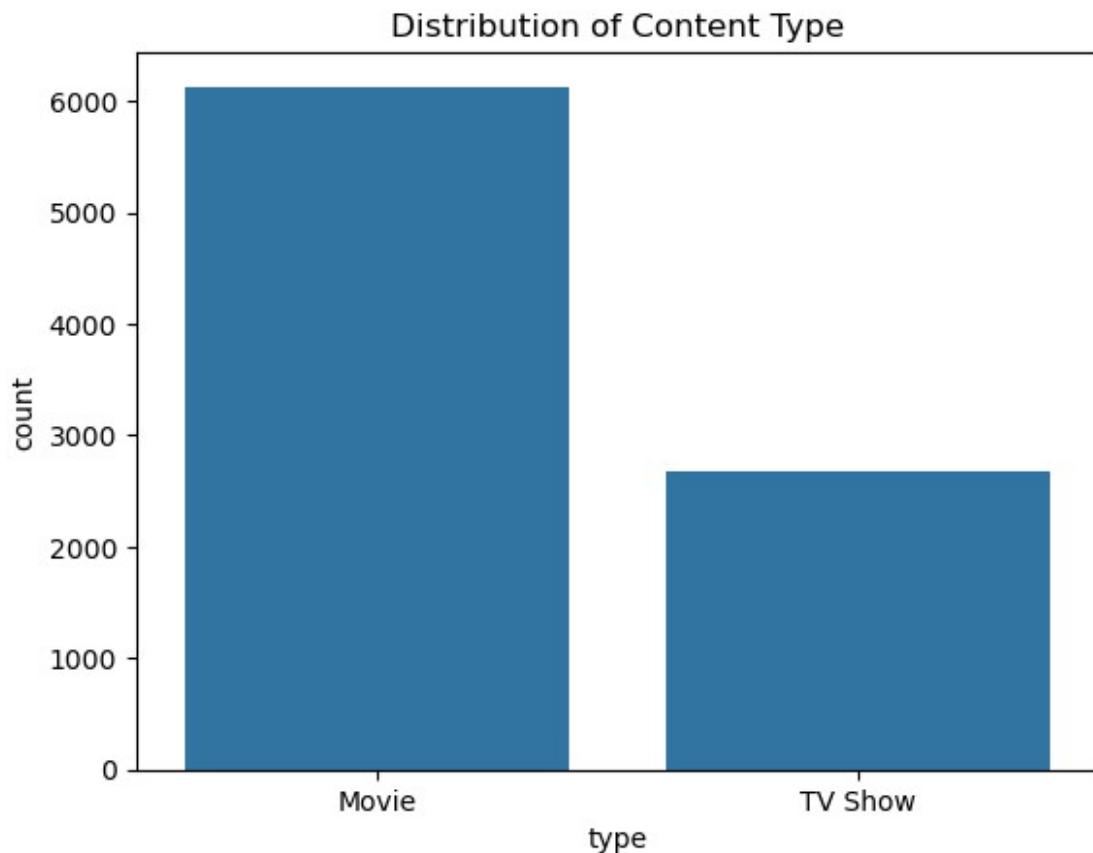
np.int64(0)
```

5. Exploratory Data Analysis (EDA)

5.1 univariate

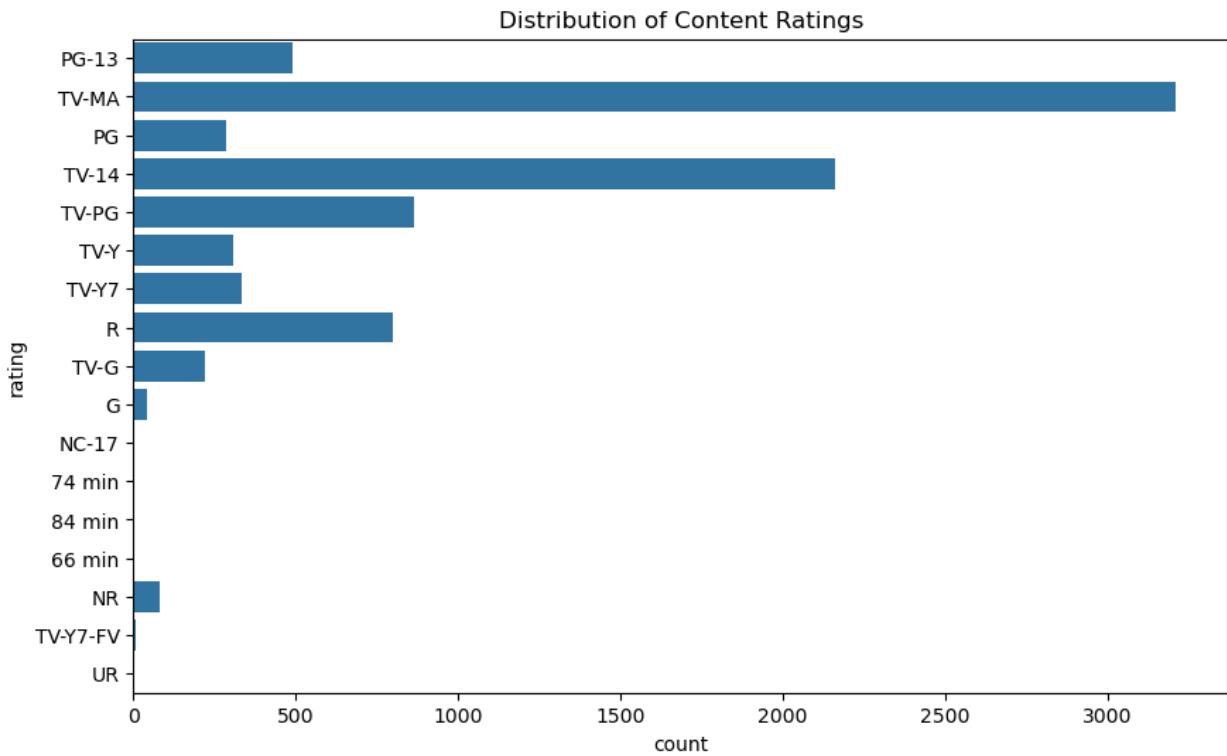
Content Type Distribution

```
sns.countplot(x='type', data=df)
plt.title('Distribution of Content Type')
plt.show()
```



Rating Distribution

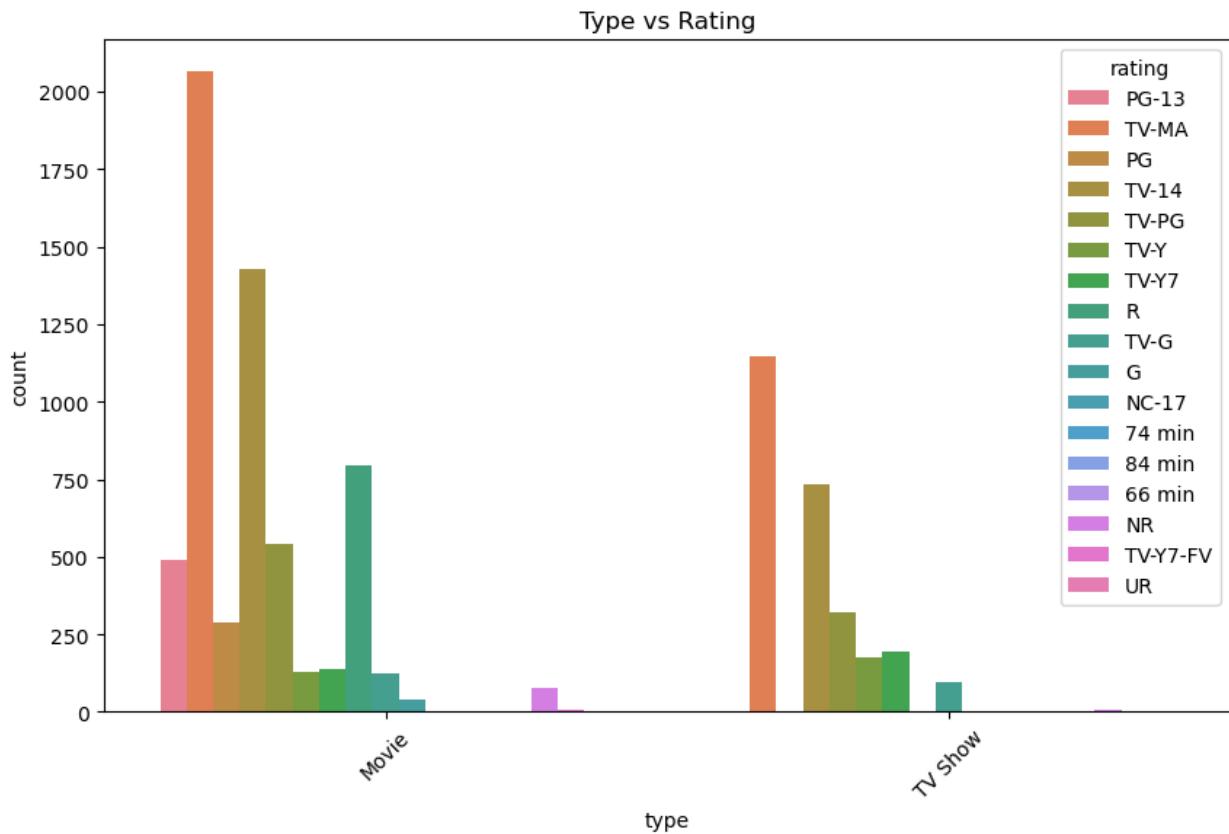
```
plt.figure(figsize=(10,6))
sns.countplot(y='rating', data=df)
plt.title('Distribution of Content Ratings')
plt.show()
```



5.2 bivariate

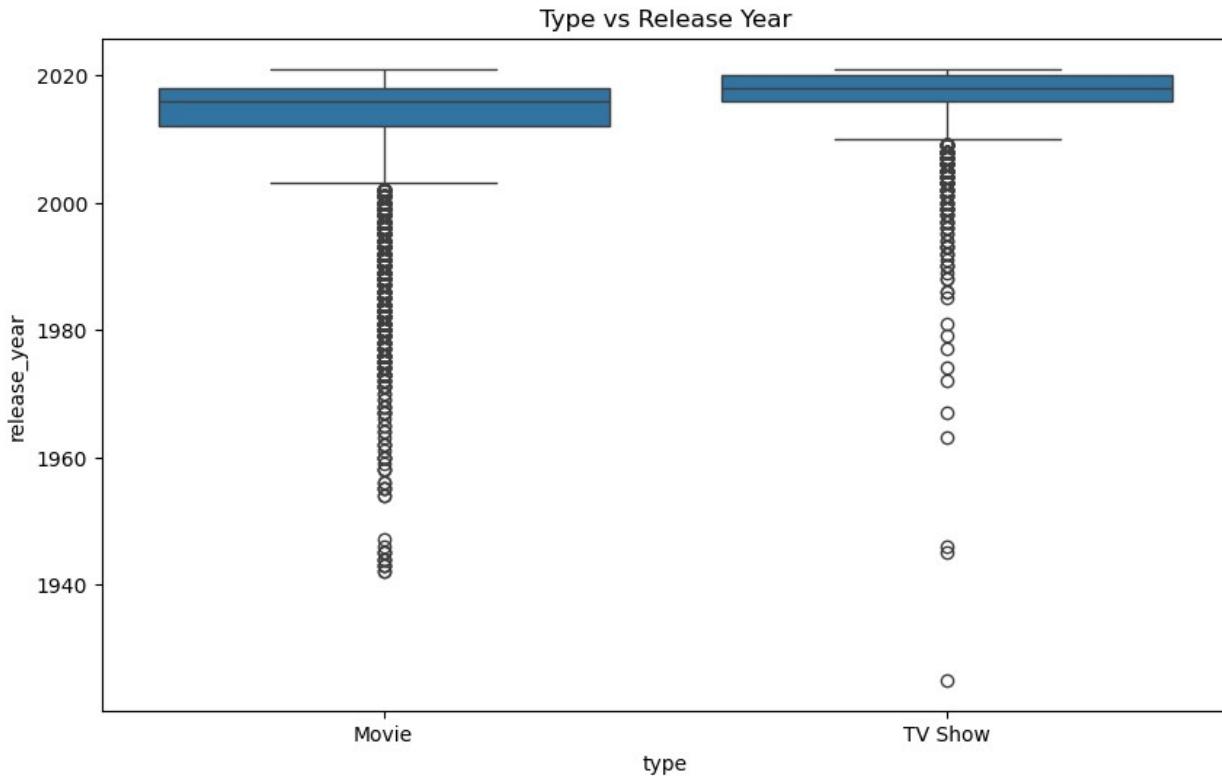
Content Type vs Rating

```
plt.figure(figsize=(10,6))
sns.countplot(x='type', hue='rating', data=df)
plt.title('Type vs Rating')
plt.xticks(rotation=45)
plt.show()
```



Content Type vs Release Year

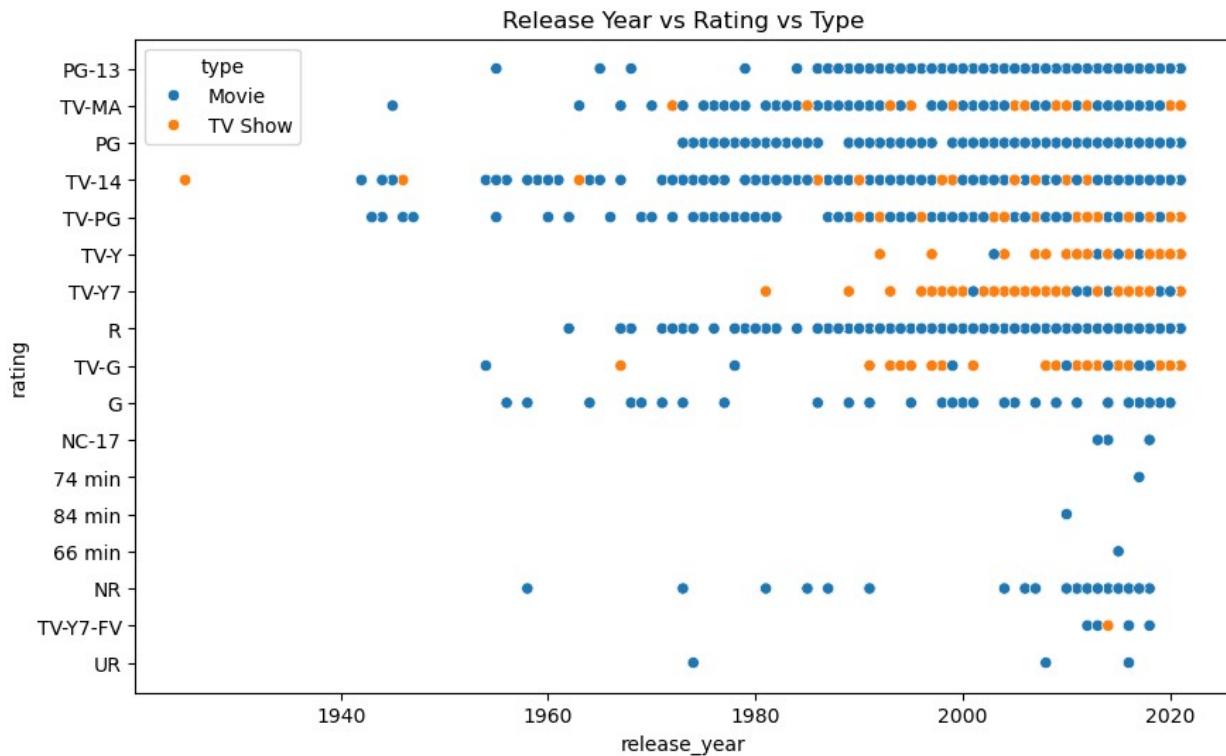
```
plt.figure(figsize=(10,6))
sns.boxplot(x='type', y='release_year', data=df)
plt.title('Type vs Release Year')
plt.show()
```



5.3 Multivariate Analysis

Type vs Rating vs Release Year

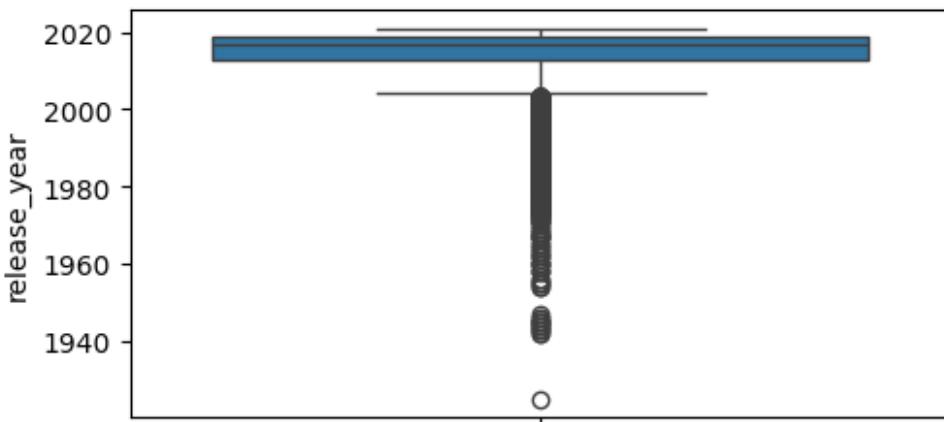
```
plt.figure(figsize=(10,6))
sns.scatterplot(x='release_year', y='rating', hue='type', data=df)
plt.title('Release Year vs Rating vs Type')
plt.show()
```



6 Outliers detection

```
num_cols = ["release_year"]

plt.figure(figsize=(12,6))
for i,col in enumerate(num_cols,1):
    plt.subplot(2,2,i)
    sns.boxplot(df[col])
plt.show()
```



```
Q1 = df["release_year"].quantile(0.25)
Q3 = df["release_year"].quantile(0.75)
```

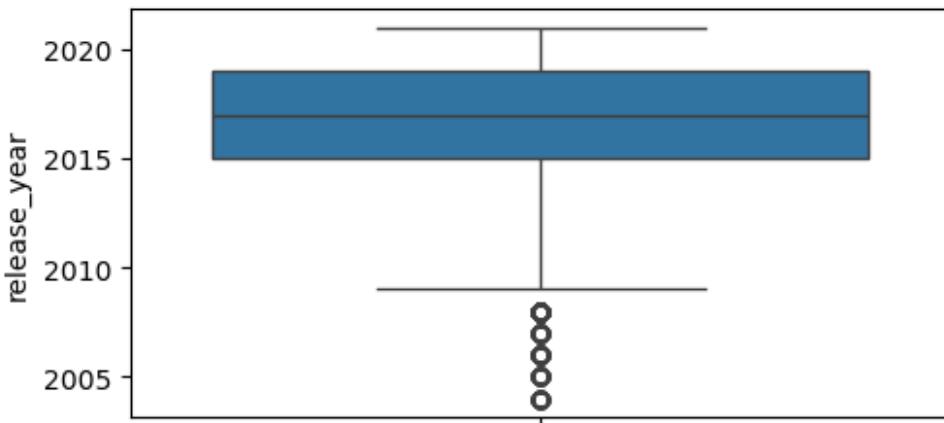
```

IQR = Q3 - Q1
df = df[(df["release_year"] >= Q1 - 1.5*IQR) & (df["release_year"] <=
Q3 + 1.5*IQR)]

num_cols = ["release_year"]

plt.figure(figsize=(12,6))
for i,col in enumerate(num_cols,1):
    plt.subplot(2,2,i)
    sns.boxplot(df[col])
plt.show()

```



```

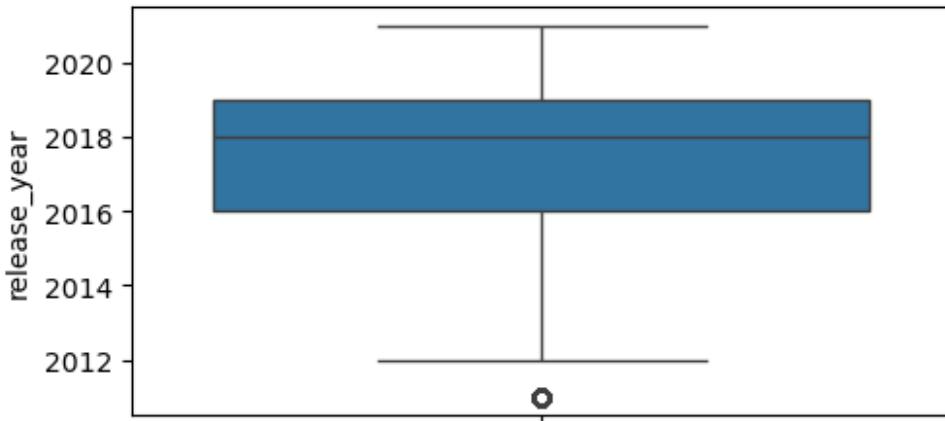
Q1 = df["release_year"].quantile(0.25)
Q3 = df["release_year"].quantile(0.75)
IQR = Q3 - Q1

# Stricter range
df = df[(df["release_year"] >= Q1 - 1.0*IQR) & (df["release_year"] <=
Q3 + 1.0*IQR)]

num_cols = ["release_year"]

plt.figure(figsize=(12,6))
for i,col in enumerate(num_cols,1):
    plt.subplot(2,2,i)
    sns.boxplot(df[col])
plt.show()

```

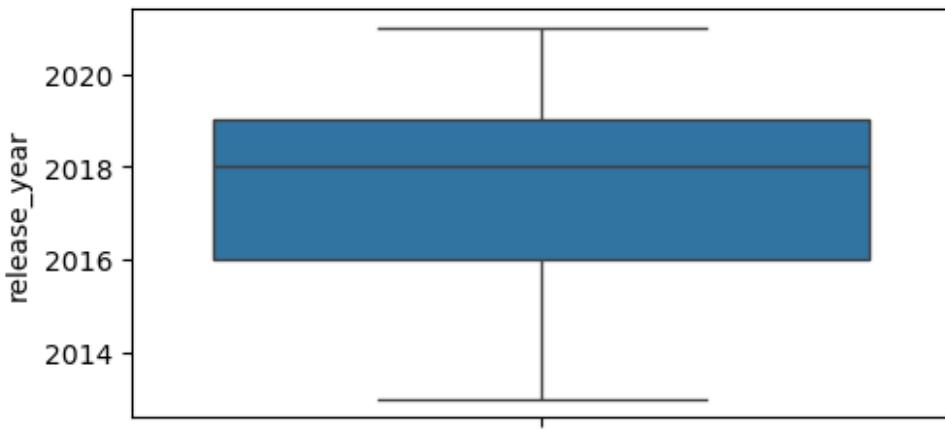


```
Q1 = df["release_year"].quantile(0.25)
Q3 = df["release_year"].quantile(0.75)
IQR = Q3 - Q1

# Stricter range
df = df[(df["release_year"] >= Q1 - 1.0*IQR) & (df["release_year"] <=
Q3 + 1.0*IQR)]

num_cols = ["release_year"]

plt.figure(figsize=(12,6))
for i,col in enumerate(num_cols,1):
    plt.subplot(2,2,i)
    sns.boxplot(df[col])
plt.show()
```



```
df.describe()

      release_year
count    7624.000000
mean     2016.912775
```

```
std      2.942338
min     2009.000000
25%    2015.000000
50%    2017.000000
75%    2019.000000
max     2021.000000
```

key insights

Conclusion

```
df=pd.read_csv("netflix.csv")
df.tail()

  show_id   type          title \
8808  s8766  Movie           XX
8809  s8767  Movie           XXX
8810  s8768  Movie  XXX: State of the Union
8811  s8769  Movie       Y Tu Mamá También
8812  s8770  Movie      Y.M.I.: Yeh Mera India

                                director \
8808  Jovanka Vuckovic, Annie Clark, Roxanne Benjami...
8809                               Rob Cohen
8810                               Lee Tamahori
8811                          Alfonso Cuarón
8812                           N. Chandra

                                cast \
8808  Natalie Brown, Jonathan Watton, Melanie Lynske...
8809  Vin Diesel, Asia Argento, Marton Csokas, Samue...
8810  Ice Cube, Samuel L. Jackson, Willem Dafoe, Sco...
8811  Maribel Verdú, Gael García Bernal, Diego Luna, ...
8812  Anupam Kher, Atul Kulkarni, Aakash Pandey, Mil...

            country  date_added  release_year rating
duration \
8808  Canada, United States       June 22, 2017        2017      R   81
min
8809          United States     January 1, 2019        2002  PG-13  124
min
8810          United States     January 1, 2019        2005  PG-13  101
min
8811              Mexico       June 1, 2017        2001      R   106
min
8812              India      March 1, 2018        2008  TV-MA  137
min

                                listed_in \
8808                  Horror Movies
```

```
8809 Action & Adventure, Sports Movies
8810 Action & Adventure
8811 Dramas, Independent Movies, International Movies
8812 Dramas, Independent Movies, International Movies

description
8808 This four-part anthology of short horror films...
8809 A notorious underground rush-seeker deemed unt...
8810 In this action-packed follow-up to XXX, U.S. i...
8811 When rich teens Tenoch and Julio meet the allu...
8812 The lives of a middle-aged soap opera addict, ...

import pandas as pd

df['date_added'] = df['date_added'].astype(str).str.strip()
df['date_added'] = pd.to_datetime(df['date_added'], errors='coerce')
df['day_month'] = df['date_added'].dt.strftime('%d-%m')
df['year'] = df['date_added'].dt.year

print(df.head())

      show_id   type          title    director \
0        s1  Movie  Dick Johnson Is Dead  Kirsten Johnson
1        s2  TV Show       Blood & Water        NaN
2        s3  TV Show        Ganglands  Julien Leclercq
3        s4  TV Show  Jailbirds New Orleans        NaN
4        s5  TV Show        Kota Factory        NaN

                           cast        country \
0                         NaN  United States
1  Ama Qamata, Khosi Ngema, Gail Mabalane, Thaban...  South Africa
2  Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabi...        NaN
3                               NaN        NaN
4  Mayur More, Jitendra Kumar, Ranjan Raj, Alam K...  India

date_added  release_year rating duration \
0 2021-09-25           2020  PG-13    90 min
1 2021-09-24           2021  TV-MA   2 Seasons
2 2021-09-24           2021  TV-MA   1 Season
3 2021-09-24           2021  TV-MA   1 Season
4 2021-09-24           2021  TV-MA   2 Seasons

listed_in \
0          Documentaries
1  International TV Shows, TV Dramas, TV Mysteries
2  Crime TV Shows, International TV Shows, TV Act...
3                  Docuseries, Reality TV
4  International TV Shows, Romantic TV Shows, TV ...
```

```
0 As her father nears the end of his life, filmm... 25-09 2021.0
1 After crossing paths at a party, a Cape Town t... 24-09 2021.0
2 To protect his family from a powerful drug lor... 24-09 2021.0
3 Feuds, flirtations and toilet talk go down amo... 24-09 2021.0
4 In a city of coaching centers known to train I... 24-09 2021.0
```

```
df.head()
```

```
show_id      type            title        director \
0      s1    Movie  Dick Johnson Is Dead  Kirsten Johnson
1      s2  TV Show       Blood & Water        NaN
2      s3  TV Show        Ganglands  Julien Leclercq
3      s4  TV Show  Jailbirds New Orleans        NaN
4      s5  TV Show        Kota Factory        NaN

                                         cast          country \
0                               NaN  United States
1  Ama Qamata, Khosi Ngema, Gail Mabalane, Thaban...  South Africa
2  Sami Bouajila, Tracy Gotoas, Samuel Jouy, Nabi...
3                               NaN          NaN
4  Mayur More, Jitendra Kumar, Ranjan Raj, Alam K...
                                         NaN          India

date_added  release_year rating duration \
0  2021-09-25           2020  PG-13   90 min
1  2021-09-24           2021  TV-MA  2 Seasons
2  2021-09-24           2021  TV-MA  1 Season
3  2021-09-24           2021  TV-MA  1 Season
4  2021-09-24           2021  TV-MA  2 Seasons

                                         listed_in \
0                  Documentaries
1  International TV Shows, TV Dramas, TV Mysteries
2  Crime TV Shows, International TV Shows, TV Act...
3                  Docuseries, Reality TV
4  International TV Shows, Romantic TV Shows, TV ...

                                         description day_month year
0  As her father nears the end of his life, filmm... 25-09 2021.0
1  After crossing paths at a party, a Cape Town t... 24-09 2021.0
2  To protect his family from a powerful drug lor... 24-09 2021.0
3  Feuds, flirtations and toilet talk go down amo... 24-09 2021.0
```

4 In a city of coaching centers known to train I... 24-09 2021.0