In [1]: import pandas as pd import numpy as np

Load Excel file

In [2]: df=pd.read_csv("C:/Users/nacha/Downloads/dataset_netflix1.csv")

YOM

Not Given

title listed_in Out[2]: show_id director country date_added release_year rating duration type 0 Movie Dick Johnson Is Dead Kirsten Johnson United States 9/25/2021 2020 PG-13 90 min **Documentaries** s1 s3 TV Show 9/24/2021 1 Season Crime TV Shows, International TV Shows, TV Act... 1 Ganglands Julien Leclercq France 2021 TV-MA Midnight Mass Mike Flanagan United States 2 s6 TV Show 9/24/2021 2021 TV-MA 1 Season TV Dramas, TV Horror, TV Mysteries 3 Bruno Garotti 9/22/2021 2021 TV-PG s14 Confessions of an Invisible Girl Brazil 91 min Children & Family Movies, Comedies 9/24/2021 1993 TV-MA 4 s8 Movie Sankofa Haile Gerima United States 125 min Dramas, Independent Movies, International Movies 1/17/2017 8785 s8797 TV Show Yunus Emre Not Given Turkey 2016 TV-PG 2 Seasons International TV Shows, TV Dramas 8786 s8798 TV Show Zak Storm Not Given United States 9/13/2018 2016 TV-Y7 3 Seasons Kids' TV International TV Shows, Romantic TV Shows, TV ... 8787 s8801 TV Show Zindagi Gulzar Hai Not Given Pakistan 12/15/2016 2012 TV-PG 1 Season 8788 s8784 TV Show Not Given Pakistan 6/23/2018 2016 1 Season Kids' TV

Pakistan

8790 rows × 10 columns

s8786 TV Show

8789

Convert date in proper format

In [3]: df['date_added']=pd.to_datetime(df['date_added'],format='%m/%d/%Y') df['date_added']=pd.to_datetime(df['date_added'], format='%d-%m-%Y')

6/7/2018

2016 TV-Y7 1 Season

Kids' TV

In [5]: df['date_added']=df['date_added'].dt.strftime('%d-%m-%Y')

country date_added release_year rating Out[5]: show_id title director duration listed in type Dick Johnson Is Dead Kirsten Johnson United States s1 Movie 25-09-2021 2020 PG-13 90 min **Documentaries** s3 TV Show Crime TV Shows, International TV Shows, TV Act... 1 Ganglands Julien Leclercq France 24-09-2021 2021 TV-MA 1 Season 2 s6 TV Show Midnight Mass Mike Flanagan United States 24-09-2021 2021 TV-MA 1 Season TV Dramas, TV Horror, TV Mysteries 2021 TV-PG 3 s14 Movie Confessions of an Invisible Girl Bruno Garotti Brazil 22-09-2021 91 min Children & Family Movies, Comedies 4 s8 Movie Sankofa Haile Gerima United States 24-09-2021 1993 TV-MA 125 min Dramas, Independent Movies, International Movies 2016 TV-PG 2 Seasons International TV Shows, TV Dramas 8785 s8797 TV Show Yunus Emre Not Given Turkey 17-01-2017 Zak Storm Not Given United States 8786 s8798 TV Show 13-09-2018 2016 TV-Y7 3 Seasons Kids' TV Zindagi Gulzar Hai 15-12-2016 International TV Shows, Romantic TV Shows, TV ... 8787 s8801 TV Show Not Given Pakistan 2012 TV-PG 1 Season 8788 Kids' TV s8784 TV Show Yoko Not Given Pakistan 23-06-2018 2016 TV-Y 1 Season YOM Not Given Pakistan 07-06-2018 Kids' TV 8789 s8786 TV Show 2016 TV-Y7 1 Season

8790 rows × 10 columns

Download dataset in Excel format

df.to_excel("C:\\Users\\nacha\\Downloads\\analysis1.xlsx")

Check Null values

df.isna().sum() show_id Out[10]: type title director country date_added release_year rating duration 0 listed_in

dtype: int64

In [11]: df.info()

In [10]:

<class 'pandas.core.frame.DataFrame'> RangeIndex: 8790 entries, 0 to 8789 Data columns (total 10 columns): Column Non-Null Count Dtype ----show_id 8790 non-null type 8790 non-null object title 8790 non-null object director 8790 non-null object country 8790 non-null object date_added 8790 non-null object release_year 8790 non-null int64 8790 non-null rating object duration 8790 non-null object listed_in 8790 non-null object dtypes: int64(1), object(9) memory usage: 686.8+ KB

Summary

75% 2019.000000 max 2021.000000

In [12]: df.describe()

Out[12]: release_year count 8790.000000 mean 2014.183163 8.825466 std min 1925.000000 **25%** 2013.000000 **50%** 2017.000000

Replace 'Not Given' with NaN in the 'director' and 'country' columns

df['director'].replace('Not Given', pd.NA, inplace=True) df['country'].replace('Not Given', pd.NA, inplace=True

Remove rows where 'director' or 'country' is NaN

df.dropna(subset=['director', 'country'], inplace=True)

In [14]:

Out[14

4]:	:	show_id	type	title	director	country	date_added	release_year	rating	duration	listed_in
	0	s1	Movie	Dick Johnson Is Dead	Kirsten Johnson	United States	25-09-2021	2020	PG-13	90 min	Documentaries
	1	s3	TV Show	Ganglands	Julien Leclercq	France	24-09-2021	2021	TV-MA	1 Season	Crime TV Shows, International TV Shows, TV Act
	2	s6	TV Show	Midnight Mass	Mike Flanagan	United States	24-09-2021	2021	TV-MA	1 Season	TV Dramas, TV Horror, TV Mysteries
	3	s14	Movie	Confessions of an Invisible Girl	Bruno Garotti	Brazil	22-09-2021	2021	TV-PG	91 min	Children & Family Movies, Comedies
	4	s8	Movie	Sankofa	Haile Gerima	United States	24-09-2021	1993	TV-MA	125 min	Dramas, Independent Movies, International Movies
	6565	s3351	Movie	True: Grabbleapple Harvest	Mark Thornton, Todd Kauffman	Canada	01-11-2019	2019	TV-Y	24 min	Children & Family Movies
	6566	s3509	Movie	True: Tricky Treat Day	Mark Thornton, Todd Kauffman	Canada	20-09-2019	2019	TV-Y	24 min	Children & Family Movies
	6567	s3554	TV Show	True and the Rainbow Kingdom	Mark Thornton, Todd Kauffman	United States	30-08-2019	2019	TV-Y	3 Seasons	Kids' TV
	6568	s4241	Movie	Sam Kinison: The Scream Continues	Walter C. Miller	United States	31-12-2018	2016	TV-MA	29 min	Documentaries
	6569	s1315	TV Show	Chappelle's Show	Stan Lathan	United States	12-02-2021	2005	TV-MA	2 Seasons	TV Comedies

5915 rows × 10 columns

Download file