

import pandas as pd
data = pd.read_csv("../D:\Python\PROJECTS\Netflix Dataset.csv")

data												
Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	Minutes	Unit
0	s1	TV Show	3%	NAN	Jolo Miguel, Bianca Comparato, Michel Gomes, R...	Brazil	August 14, 2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi &...	In a future where the elite inhabit an island ...	4 Seasons
1	s2	Movie	07:19	Jorge Michel Grau	Demian Bichir, Hector Bonilla, Oscar Serrano, ...	Mexico	December 23, 2016	TV-MA	93 min	Dramas, International Movies	After a devastating earthquake his Mexico CE...	93 min
2	s3	Movie	23:59	Gilbert Chon	Todd Chan, Stella Chung, Henry H. Lawrence ...	Singapore	December 20, 2018	R	78 min	Horror Movies, International Movies	When an army recruit is found dead, his fellow...	78 min
3	s4	Movie	9	Shane Acker	Eliah Wood, John C. Reilly, Jennifer Connelly...	United States	November 16, 2017	PG-13	80 min	Action & Adventure, Independent Movies, Sci-Fi...	In a postapocalyptic world, rag-doll robots ri...	80 min
4	s5	Movie	21	Robert Luketic	Jim Sturgess, Kevin Spacey, Kate Bosworth, Aar...	United States	January 1, 2020	PG-13	123 min	Dramas	A brilliant group of students become card-coun...	123 min
7784	s7783	Movie	20:20	Zozo	Joel Fares	Sweden, Czech Republic, United Kingdom, Demar...	October 18, 2020	TV-MA	99 min	Dramas, International Movies	When Liberaon's Civil War deprives Zozo of his ...	99 min
7785	s7784	Movie	Zubean	Muazz Shagh	Vicky Kaushal, Sarah-Jane Dias, Raghav Chahal...	India	March 2, 2019	TV-14	111 min	Dramas, International Movies, Music & Musicals	A sci-fi story that goes beyond the way the worl...	111 min
7786	s7785	Movie	Zulu Man in Japan	NAN	Nasty C	Australia	September 25, 2020	TV-MA	44 min	Dramas, International Movies, Music & TV...	In a documentary, South African rapper Nasty...	44 min
7787	s7786	TV Show	Zumbos/Jus Desments	NAN	Adriano Zumbo, Rachel Khoo	Australia	October 31, 2020	TV-PG	1 Season	International TV Shows, Reality TV	Descent wizard Adriano Zumbo looks for the rea...	1 Season
7788	s7787	Movie	22 TOP: THAT LITTLE OL' BAND FROM TEXAS	Sam Dunn	NAN	United Kingdom, Canada, United States	March 1, 2020	TV-MA	90 min	Documentaries, Music & Musicals	This documentary dives into the mystique behi...	90 min

data.head(3)												
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data.info()												
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data.shape												
(7789, 13)												

data.describe()												
178												

data.columns												
Index	Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	Minutes
	dtype: object											

data.dtypes												
Show_Id	object											
Category	object											
Title	object											
Director	object											
Cast	object											
Country	object											
Release_Date	object											
Rating	object											
Duration	object											
Type	object											
Description	object											
dtype:	object											
memory usage:	669.5 KB											

data[data.duplicated()]												
Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	Minutes	Unit

data.drop_duplicates(inplace = True)												
# to remove the duplicate row permanently												

data[data.duplicated()]												
Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	Minutes	Unit

data.shape												
(7787, 13)												

data.isnull()												
Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	Minutes	Unit
0	False	False	False	True	False	False	False	False	False	False	False	False
1	False	False	False	False	False	False	False	False	False	False	False	False
2	False	False	False	False	False	False	False	False	False	False	False	False
3	False	False	False	False	False	False	False	False	False	False	False	False
4	False	False	False	False	False	False	False	False	False	False	False	False
7784	False	False	False	False	False	False	False	False	False	False	False	False
7785	False	False	False	False	False	False	False	False	False	False	False	False
7786	False	False	False	False	True	False	False	False	False	False	False	False
7787	False	False	False	True	False	False	False	False	False	False	False	False
7788	False	False	False	False	True	False	False	False	False	False	False	False
7787 row * 11 columns												

data.isnull().sum()												
Show_Id	0											
Category	8											
Title	8											
Director	2388											
Cast	718											
Country	597											
Release_Date	7											
Rating	7											
Duration	8											
Type	8											
Description	8											
dtype:	int64											

sns.heatmap(data.isnull())												
# using heat map to show null count												

Q.1 For 'House of Cards', what is the show id and who is the Director of the show?												
idno												

data.head()												
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data[data['Title'].isin(['House of Cards'])]												
# to show all records of a particular item in any colue												

data[data['Title'].str.contains('House of cards')]												
# to show all records of a particular item in any colou												

Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	Minutes	Unit
2832	s2831	TV Show	House of Cards	Robin Wright, David Mackenzie, Gerald C...	Kevin Spacey, Robin Wright, Kate Winsl...	United States	November 2, 2018	TV-MA	Season 6	TV Dramas, TV Thriller	A ruthless politician will stop at nothing to...	6 Seasons

data[data['Title'].str.contains('House of cards')]												
# to show all records of a particular item in any colou												

Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Type	Description	Minutes	Unit
Q.2												
in which year highest number of the TV shows and MOVIES were released? show with the bar graph												

data.dtypes												
Show_Id	object											
Category	object											
Title	object											
Director	object											
Cast	object											
Country	object											
Release_Date	object											
Rating	object											
Duration	object											
Type	object											
Description	object											
dtype:	object											
memory usage:	669.5 KB											

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Q.1
