Netflix dataset Analysis tools use Pandas , seaborn

In [150	impo	rt par	ıdas as p	d								
In [4]:	data	=pd.r	ead_csv(r'C:\l	Jsers\AL	BAB\Downlo	ads\8. N	etflix Datas	et.csv	')		
In [6]:	data	.head()									
Out[6]:	Sh	now_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Туре	
	0	s1	TV Show	3%	NaN	João Miguel, Bianca Comparato, Michel Gomes, R	Brazil	August 14, 2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi &	wł
	1	s2	Movie	07:19	Jorge Michel Grau	Demián Bichir, Héctor Bonilla, Oscar Serrano,	Mexico	December 23, 2016	TV-MA	93 min	Dramas, International Movies	eaı
	2	s3	Movie	23:59	Gilbert Chan	Tedd Chan, Stella Chung, Henley Hii, Lawrence	Singapore	December 20, 2018	R	78 min	Horror Movies, International Movies	W re
	3	s4	Movie	9	Shane Acker	Elijah Wood, John C. Reilly, Jennifer Connelly	United States	November 16, 2017	PG-13	80 min	Action & Adventure, Independent Movies, Sci- Fi	pos w
	4	s5	Movie	21	Robert Luketic	Jim Sturgess, Kevin Spacey, Kate Bosworth, Aar	United States	January 1, 2020	PG-13	123 min	Dramas	b

Getting some basic information about the dataset

In [8]: data.tail()

Out[8]:		Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Ty
	7784	s7783	Movie	Zozo	Josef Fares	Imad Creidi, Antoinette Turk, Elias Gergi, Car	Sweden, Czech Republic, United Kingdom, Denmar	October 19, 2020	TV-MA	99 min	Dram Internatio Mov
	7785	s7784	Movie	Zubaan	Mozez Singh	Vicky Kaushal, Sarah- Jane Dias, Raaghav Chanan	India	March 2, 2019	TV-14	111 min	Dram Internatio Movies, Mu & Music
	7786	s7785	Movie	Zulu Man in Japan	NaN	Nasty C	NaN	September 25, 2020	TV-MA	44 min	Documentari Internatio Movies, Mu & I
	7787	s7786	TV Show	Zumbo's Just Desserts	NaN	Adriano Zumbo, Rachel Khoo	Australia	October 31, 2020	TV-PG	1 Season	International Shows, Rea
	7788	s7787	Movie	ZZ TOP: THAT LITTLE OL' BAND FROM TEXAS	Sam Dunn	NaN	United Kingdom, Canada, United States	March 1, 2020	TV-MA	90 min	Documentari Musi Music
In [9]:	#shap		ow number	of row	and col	umn					
Out[9]:	(7789	•									
In [10]:	#Size		w the num	nber of	element	in the da	ata fram				
Out[10]:	85679										
In [12]:		<i>how the</i> columns	column r	name							
Out[12]:	Index	'Relea		, 'Rati				cast', 'Coun 'Description			
In [13]:	#dtyp	<i>es</i> dtypes									

```
Show_Id
                             object
Out[13]:
          Category
                             object
          Title
                             object
          Director
                             object
          Cast
                             object
                             object
          Country
          Release_Date
                             object
          Rating
                             object
                             object
          Duration
          Type
                             object
          Description
                             object
          dtype: object
 In [ ]:
 In [ ]:
In [15]:
           #info
           data.info()
          <class 'pandas.core.frame.DataFrame'>
          RangeIndex: 7789 entries, 0 to 7788
          Data columns (total 11 columns):
           #
                Column
                                Non-Null Count
                                                  Dtype
                ----
                Show_Id
                                7789 non-null
           0
                                                   object
           1
                Category
                                7789 non-null
                                                   object
           2
                Title
                                7789 non-null
                                                   object
           3
                Director
                                5401 non-null
                                                   object
                                                   object
           4
                Cast
                                7071 non-null
           5
                                7282 non-null
                                                   object
                Country
           6
                Release_Date 7779 non-null
                                                   object
           7
                                7782 non-null
                                                   object
                Rating
           8
                                7789 non-null
                                                   object
                Duration
           9
                                7789 non-null
                Type
                                                   object
                Description
                                7789 non-null
                                                   object
          dtypes: object(11)
          memory usage: 669.5+ KB
          Task1:-Is there any duplicate record in this dataset? if yes, then remove the duplicate records.
In [16]:
           data.head(2)
Out[16]:
             Show_Id Category
                                 Title
                                      Director
                                                     Cast Country Release_Date Rating
                                                                                        Duration
                                                                                                       Type
                                                                                                            Des
                                                     João
                                                   Miguel,
                                                                                                 International
                                                                                                               In
                                                   Bianca
                                                                                                  TV Shows,
                                                                      August 14,
                                                                                                               wl
                                                                                TV-MA
          0
                                  3%
                   s1
                      TV Show
                                          NaN Comparato,
                                                             Brazil
                                                                                                 TV Dramas,
                                                                           2020
                                                                                        Seasons
                                                                                                              elite
                                                                                                    TV Sci-Fi
                                                   Michel
                                                                                                             an i
                                                  Gomes,
                                                                                                        &...
                                                      R...
                                                   Demián
                                                    Bichir,
                                         Jorge
                                                                                                             dev
                                                                                                    Dramas,
                                                   Héctor
                                                                   December 23,
                   s2
                          Movie 07:19
                                         Michel
                                                            Mexico
                                                                                 TV-MA
                                                                                          93 min International
                                                                                                              ear
                                                   Bonilla,
                                                                           2016
                                         Grau
                                                                                                     Movies
                                                                                                              hits
                                                    Oscar
                                                Serrano, ...
```

Loading [MathJax]/extensions/Safe.js

In [18]:

data[data.duplicated()]

Out[18]:		Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Туре
	6300	s684	Movie	Backfire	Dave Patten	Black Deniro, Byron "Squally" Vinson, Dominic 	United States	April 5, 2019	TV-MA	97 min	Dramas, Independent Movies, Thrillers
	6622	s6621	Movie	The Lost Okoroshi	Abba T. Makama	Seun Ajayi, Judith Audu, Tope Tedela, Ifu Enna	Nigeria	September 4, 2020	TV-MA	94 min	Comedies, Dramas, Independent Movies
In [30]:			<i>duplicat</i> plicates		=True)						
In [32]:	data	.shape									
Out[32]:	(778	7, 11)									

Is there amy null value present in any column? show with Heat map.

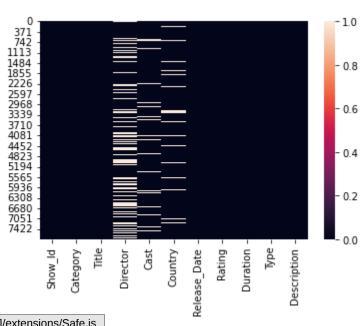
In [39]:	#	to check	k the nul	l valu	ue							
	da	ata.head((2)									
Out[39]:		Show_ld	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Туре	Des
	0	s1	TV Show	3%	NaN	João Miguel, Bianca Comparato, Michel Gomes, R	Brazil	August 14, 2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi &	In wl elite an i
	1	s2	Movie	07:19	Jorge Michel Grau	Demián Bichir, Héctor Bonilla, Oscar Serrano,	Mexico	December 23, 2016	TV-MA	93 min	Dramas, International Movies	dev ear hits
In [37]:	da	ata[data.	isnull()]								

Out[37]: _		Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Туре	Description
	0	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
	1	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
	2	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
	3	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
	4	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
	7784	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
	7785	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
	7786	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
	7787	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN
	7788	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN	NaN

7787 rows × 11 columns

```
data.isnull().sum()
In [38]:
          Show_Id
Out[38]:
          Category
                              0
          Title
                              0
          Director
                           2388
          Cast
                            718
          Country
                            507
          Release_Date
                             10
          Rating
                              7
          Duration
                              0
          Туре
                              0
          Description
                              0
          dtype: int64
```

```
import seaborn library (heat map)
 In [40]:
            import seaborn as sms
            sms.heatmap(data.isnull())
 In [41]:
            <AxesSubplot:>
 Out[41]:
```



For the 'House of cards' what is the show id and who is the Director of this show?

```
#this can be solve by the two methods
            # 1- isin() and 2nd is str.contains()
In [43]:
            data.head()
Out[43]:
               Show_Id Category
                                     Title
                                           Director
                                                                   Country Release_Date Rating Duration
                                                           Cast
                                                                                                                     Type
                                                           João
                                                         Miguel,
                                                                                                               International
                                                                                                                TV Shows,
                                                         Bianca
                                                                                                                            wł
                                                                                August 14,
                                                                                            TV-MA
                     s1 TV Show
                                      3%
                                                                      Brazil
                                                                                                               TV Dramas,
                                               NaN
                                                     Comparato,
                                                                                     2020
                                                                                                     Seasons
                                                                                                                  TV Sci-Fi
                                                          Michel
                                                         Gomes,
                                                                                                                       &...
                                                            R...
                                                         Demián
                                                          Bichir,
                                              Jorge
                                                                                                                  Dramas,
                                                          Héctor
                                                                             December 23,
                                                                                            TV-MA
                     s2
                             Movie 07:19
                                              Michel
                                                                     Mexico
                                                                                                       93 min International
                                                         Bonilla,
                                                                                                                            ear
                                                                                                                   Movies
                                               Grau
                                                          Oscar
                                                      Serrano, ...
                                                     Tedd Chan,
                                                           Stella
                                                                                                                    Horror
                                                                                                                            W
                                             Gilbert
                                                         Chung,
                                                                             December 20,
                                                                                                                   Movies,
            2
                             Movie 23:59
                                                                  Singapore
                     s3
                                                                                                       78 min
                                              Chan
                                                      Henley Hii,
                                                                                     2018
                                                                                                               International
                                                       Lawrence
                                                                                                                   Movies
                                                           Elijah
                                                                                                                  Action &
                                                          Wood.
                                                                                                                Adventure,
                                              Shane
                                                         John C.
                                                                     United
                                                                             November 16.
                     s4
                                                                                             PG-13
                                                                                                       80 min
                                                                                                              Independent
                             Movie
                                              Acker
                                                          Reilly.
                                                                     States
                                                                                     2017
                                                                                                               Movies, Sci-
                                                        Jennifer
                                                                                                                      Fi...
                                                      Connelly...
                                                            Jim
                                                       Sturgess,
                                                           Kevin
                                                                                 January 1,
                                             Robert
                                                                     United
            4
                     s5
                             Movie
                                       21
                                                                                            PG-13
                                                                                                     123 min
                                                                                                                   Dramas
                                                        Spacey,
                                             Luketic
                                                                                     2020
                                                                     States
                                                                                                                             b
                                                           Kate
                                                       Bosworth,
                                                           Aar...
            data[data['Title'].isin(['House of Cards'])]
Out[48]:
                  Show_Id Category
                                         Title
                                                 Director
                                                             Cast Country Release_Date Rating Duration
                                                                                                                  Type
                                                                                                                         Descr
                                                            Kevin
                                                   Robin
                                                          Spacey,
                                                  Wright,
                                                            Robin
                                                                                                                    TV
                                                                                                                           A ru
                                        House
                                                   David
                                                           Wright,
                                                                     United
                                                                               November 2,
                                                                                                            6
                                                                                                               Dramas,
                                                                                                                         politicia
            2832
                     s2833
                             TV Show
                                           of
                                                 Fincher,
                                                                                             TV-MA
                                                                                                     Seasons
                                                             Kate
                                                                      States
                                                                                      2018
                                                                                                                    TV
                                        Cards
                                                  Gerald
                                                            Mara,
                                                                                                               Thrillers
                                                                                                                        nothing
                                               McRaney,
                                                            Corey
                                                      J...
                                                              S...
            #2nd method
In [51]:
            data[data['Title'].str.contains('House of Cards')]
```

Out[51]:		Show_ld	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Туре	Descr
	2832	s2833	TV Show	House of Cards	Robin Wright, David Fincher, Gerald McRaney, J	Kevin Spacey, Robin Wright, Kate Mara, Corey S	United States	November 2, 2018	TV-MA	6 Seasons	TV Dramas, TV Thrillers	A ru politicia s nothini

in which ear highest number of the TV shows & Movies were released? show with Bar Graph

```
In [ ]:
 In [ ]:
           data.dtypes
In [52]:
                              object
           Show_Id
Out[52]:
           Category
                              object
           Title
                              object
           Director
                              object
           Cast
                              object
           Country
                              object
           Release_Date
                              object
           Rating
                              object
           Duration
                              object
           Type
                              object
           Description
                              object
           dtype: object
In [55]:
           # to datetime
           data['Date_N'] = pd.to_datetime(data['Release_Date'])
In [56]:
           data.head(2)
Out[56]:
              Show_Id Category
                                  Title
                                        Director
                                                       Cast Country Release_Date
                                                                                   Rating
                                                                                           Duration
                                                                                                           Type
                                                                                                                 Des
                                                       João
                                                                                                     International
                                                     Miguel,
                                                                                                                   In
                                                     Bianca
                                                                                                      TV Shows.
                                                                         August 14,
                                                                                                                   w
                                                                                                     TV Dramas,
                   s1 TV Show
                                   3%
                                                               Brazil
                                           NaN Comparato,
                                                                             2020
                                                                                           Seasons
                                                                                                                 elite
                                                     Michel
                                                                                                       TV Sci-Fi
                                                                                                                 an i
                                                    Gomes,
                                                                                                            &...
                                                        R...
                                                    Demián
                                                      Bichir,
                                          Jorge
                                                                                                                 dev
                                                                                                        Dramas,
                                                     Héctor
                                                                      December 23,
                   s2
                          Movie 07:19
                                                                                   TV-MA
                                          Michel
                                                              Mexico
                                                                                             93 min International
                                                                                                                  ear
                                                                             2016
                                                     Bonilla,
                                           Grau
                                                                                                         Movies
                                                                                                                 hits
                                                      Oscar
                                                  Serrano, ...
In [66]:
           data['Date_N'].dt.year.value_counts()
```

```
2019.0
                     2153
Out[66]:
          2020.0
                     2009
          2018.0
                     1685
          2017.0
                     1225
          2016.0
                      443
          2021.0
                      117
          2015.0
                       88
                       25
          2014.0
          2011.0
                       13
          2013.0
                       11
          2012.0
                        3
                        2
          2008.0
          2009.0
                        2
          2010.0
          Name: Date_N, dtype: int64
In [68]: #to show in bar graph
          data['Date_N'].dt.year.value_counts().plot(kind='bar')
          <AxesSubplot:>
Out[68]:
          2000
          1500
          1000
           500
```

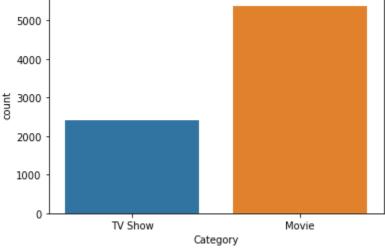
many movies and TV shows are in the dataset? show with Bar Graph

In [69]:	dat	a.head(2)									
Out[69]:		Show_ld	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Туре	Des
	0	s1	TV Show	3%	NaN	João Miguel, Bianca Comparato, Michel Gomes, R	Brazil	August 14, 2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi &	In wl elite an i
	1	s2	Movie	07:19	Jorge Michel Grau	Demián Bichir, Héctor Bonilla, Oscar Serrano,	Mexico	December 23, 2016	TV-MA	93 min	Dramas, International Movies	dev ear hits

In [73]: data['Category']

Loading [MathJax]/extensions/Safe.js

```
TV Show
Out[73]:
                   Movie
                   Movie
                   Movie
                   Movie
         7784
                   Movie
         7785
                   Movie
                   Movie
         7786
         7787
                 TV Show
         7788
                   Movie
         Name: Category, Length: 7787, dtype: object
In [77]:
         data.groupby('Category').Category.count()
                                                             #to group all the unique item of a col
         Category
Out[77]:
         Movie
                     5377
         TV Show
                     2410
         Name: Category, dtype: int64
In [78]:
         #to show the bar graph
         sms.countplot(data['Category'])
         C:\Users\ALBAB\anaconda3\lib\site-packages\seaborn\_decorators.py:36: FutureWarning: Pas
         s the following variable as a keyword arg: x. From version 0.12, the only valid position
         al argument will be `data`, and passing other arguments without an explicit keyword will
         result in an error or misinterpretation.
           warnings.warn(
         <AxesSubplot:xlabel='Category', ylabel='count'>
Out[781:
           5000
           4000
```



show all the Movies that were released in year 2000.

```
In [79]: data.head(2)
```

Out[79]:	Sho	w_ld	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Туре	Des
	0	s1	TV Show	3%	NaN	João Miguel, Bianca Comparato, Michel Gomes, R	Brazil	August 14, 2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi &	In wl elite an i
	1	s2	Movie	07:19	Jorge Michel Grau	Demián Bichir, Héctor Bonilla, Oscar Serrano,	Mexico	December 23, 2016	TV-MA	93 min	Dramas, International Movies	dev ear hits
In [80]:	data「	'Year	-'] = dat	a['Dat	te N'l.o	lt.vear						
In [81]:	data.h	ieau (. 2)									
Out[81]:	Sho	w_ld	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Туре	Des
			TV Show	3%	NaN	João Miguel, Bianca Comparato, Michel Gomes, R	Brazil	August 14, 2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi &	In wl elite an i
	1	s2	Movie	07:19	Jorge Michel Grau	Demián Bichir, Héctor Bonilla, Oscar Serrano,	Mexico	December 23, 2016	TV-MA	93 min	Dramas, International Movies	dev ear hits
	_											
In [83]:	data[(data	ı['Catego	ry'] :	== 'Movi	e')&(data['Year']	==2000)]				
Out[83]:	Show	/_ld	Category	Title D	Director (Cast Country	/ Release	e_Date Rating	Duratio	n Type	Description	Date_
In [84]:	data[(data	ı['Catego	ory'] :	== 'Movi	_e')&(data['Year']	==2020)]				

Out[84]:		Show_ld	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	
	4	s5	Movie	21	Robert Luketic	Jim Sturgess, Kevin Spacey, Kate Bosworth, Aar	United States	January 1, 2020	PG-13	123 min	С
	6	s7	Movie	122	Yasir Al Yasiri	Amina Khalil, Ahmed Dawood, Tarek Lotfy, Ahmed	Egypt	June 1, 2020	TV-MA	95 min	Horror N Intern I
	14	s15	Movie	3022	John Suits	Omar Epps, Kate Walsh, Miranda Cosgrove, Angus	United States	March 19, 2020	R	91 min	Indep Movies & Fa T
	27	s28	Movie	#Alive	Cho II	Yoo Ah-in, Park Shin- hye	South Korea	September 8, 2020	TV-MA	99 min	Horror N Intern N T
	28	s29	Movie	#AnneFrank - Parallel Stories	Sabina Fedeli, Anna Migotto	Helen Mirren, Gengher Gatti	Italy	July 1, 2020	TV-14	95 min	Documer Intern I
	7762	s7761	Movie	Zaki Chan	Wael Ihsan	Ahmed Helmy, Yasmin Abdulaziz, Hassan Hosny, H	Egypt	May 19, 2020	TV-PG	109 min	Con Intern N Ro I
	7783	s7782	Movie	Zoom	Peter Hewitt	Tim Allen, Courteney Cox, Chevy Chase, Kate Ma	United States	January 11, 2020	PG	88 min	Chil Family N Cor
	7784	s7783	Movie	Zozo	Josef Fares	Imad Creidi, Antoinette Turk, Elias Gergi, Car	Sweden, Czech Republic, United Kingdom, Denmar	October 19, 2020	TV-MA	99 min	D Intern I
	7786	s7785	Movie	Zulu Man in Japan	NaN	Nasty C	NaN	September 25, 2020	TV-MA	44 min	Documer Intern Movies,
pading [MathJax	7788	s7787 ions/Safe.js	Movie	ZZ TOP: THAT LITTLE OL' BAND FROM TEXAS	Sam Dunn	NaN	United Kingdom, Canada, United States	March 1, 2020	TV-MA	90 min	Documer N M

show the Titles of TV show that were released in india only

```
In [85]:
           #filtering
           data.head(2)
              Show Id Category
                                  Title
Out[85]:
                                       Director
                                                      Cast Country Release Date Rating
                                                                                          Duration
                                                                                                          Type
                                                                                                               Des
                                                      João
                                                    Miguel,
                                                                                                    International
                                                                                                                 In
                                                    Bianca
                                                                                                     TV Shows,
                                                                        August 14,
                                                                                                                 wl
           0
                   s1 TV Show
                                   3%
                                           NaN Comparato,
                                                              Brazil
                                                                                  TV-MA
                                                                                                    TV Dramas,
                                                                             2020
                                                                                           Seasons
                                                                                                                 elite
                                                     Michel
                                                                                                      TV Sci-Fi
                                                                                                                an i
                                                    Gomes,
                                                                                                           &...
                                                       R...
                                                    Demián
                                                     Bichir,
                                          Jorge
                                                                                                       Dramas,
                                                                                                                dev
                                                     Héctor
                                                                     December 23,
                   s2
                          Movie 07:19
                                          Michel
                                                             Mexico
                                                                                   TV-MA
                                                                                            93 min
                                                                                                   International
                                                                                                                 ear
                                                    Bonilla,
                                                                            2016
                                          Grau
                                                                                                        Movies
                                                                                                                 hits
                                                     Oscar
                                                 Serrano, ...
           data[(data['Category']=='TV Show')&(data['Country']=='India')] ['Title']
In [90]:
           86
                           21 Sarfarosh: Saragarhi 1897
Out[90]:
           132
                                                  7 (Seven)
           340
                                              Agent Raghav
           364
                                              Akbar Birbal
           533
                                      Anjaan: Rural Myths
           6249
                                     The Creative Indians
           6400
                    The Golden Years with Javed Akhtar
           6469
                                  The House That Made Me
           7294
                                                 Typewriter
           7705
                                          Yeh Meri Family
           Name: Title, Length: 71, dtype: object
```

Show Top directors, who gave the highest number of TV shows & Movies to Netflix?

```
In [91]: data.head(2)
```

Out[91]:	Sh	now_ld	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Туре	Des
	0	s1	TV Show	3%	NaN	João Miguel, Bianca Comparato, Michel Gomes, R	Brazil	August 14, 2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi &	In wl elite an i
	1	s2	Movie	07:19	Jorge Michel Grau	Demián Bichir, Héctor Bonilla, Oscar Serrano,	Mexico	December 23, 2016	TV-MA	93 min	Dramas, International Movies	dev ear hits
In [93]:	data	data['Director'].value_c		counts()	.head(10)							
In [93]: Out[93]:	data['Director'].value_co Raúl Campos, Jan Suter Marcus Raboy Jay Karas Cathy Garcia-Molina Jay Chapman Youssef Chahine Martin Scorsese Steven Spielberg David Dhawan Hakan Algül Name: Director, dtype: in			18 16 14 13 12 12 12 10 9	.nead(10)							

Show all the records, where 'Category is Movie and Type is Comedies' or 'country is United kingdom

```
In [94]:
           data.head(2)
Out[94]:
               Show_Id Category
                                    Title
                                         Director
                                                         Cast Country Release_Date Rating Duration
                                                                                                               Type
                                                                                                                     Des
                                                         João
                                                                                                         International
                                                       Miguel,
                                                                                                                       In
                                                       Bianca
                                                                                                          TV Shows,
                                                                            August 14,
                                                                                                                        w
                    s1 TV Show
                                     3%
                                             NaN Comparato,
                                                                  Brazil
                                                                                       TV-MA
                                                                                                         TV Dramas,
                                                                                 2020
                                                                                                Seasons
                                                                                                                      elite
                                                        Michel
                                                                                                            TV Sci-Fi
                                                                                                                      an i
                                                      Gomes,
                                                                                                                &...
                                                          R...
                                                       Demián
                                                        Bichir,
                                            Jorge
                                                                                                            Dramas,
                                                                                                                      dev
                                                       Héctor
                                                                         December 23,
                    s2
                            Movie 07:19
                                            Michel
                                                                Mexico
                                                                                       TV-MA
                                                                                                 93 min
                                                                                                         International
                                                                                                                       ear
                                                                                 2016
                                                       Bonilla,
                                             Grau
                                                                                                             Movies
                                                                                                                      hits
                                                        Oscar
                                                    Serrano, ...
           data[(data['Category']=='Movie')&(data['Type']=='Comedies')|(data['Country']=='United ki
```

Out[95]:		Show_ld	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Тур
	33	s34	Movie	#realityhigh	Fernando Lebrija	Nesta Cooper, Kate Walsh, John Michael Higgins	United States	September 8, 2017	TV-14	99 min	Comedie
	72	s73	Movie	17 Again	Burr Steers	Zac Efron, Leslie Mann, Matthew Perry, Thomas	United States	January 1, 2021	PG-13	102 min	Comedic
	84	s85	Movie	21 & Over	Jon Lucas, Scott Moore	Miles Teller, Skylar Astin, Justin Chon, Sarah	United States	April 16, 2019	R	93 min	Comedie
	148	s149	Movie	A Bad Moms Christmas	Jon Lucas, Scott Moore	Mila Kunis, Kristen Bell, Kathryn Hahn, Susan	United States, China	February 14, 2020	R	104 min	Comedie
	174	s175	Movie	A Futile and Stupid Gesture	David Wain	Will Forte, Domhnall Gleeson, Martin Mull, Joe	United States	January 26, 2018	TV-MA	102 min	Comedie
									•••		
	7341	s7340	Movie	Undercover Brother 2	Leslie Small	Michael Jai White, Vince Swann, Barry Bostwick	United States	November 5, 2019	R	85 min	Comedie
	7590	s7589	Movie	Where's the Money	Scott Zabielski	Andrew Bachelor, Kat Graham, Mike Epps, Terry	United States	January 22, 2018	R	86 min	Comedie
	7623	s7622	Movie	Wild Oats	Andy Tennant	Shirley MacLaine, Jessica Lange, Billy Connoll	Germany, United States	May 13, 2017	PG-13	86 min	Comedie
	7634	s7633	Movie	Wine Country	Amy Poehler	Amy Poehler, Maya Rudolph, Ana Gasteyer, Rache	United States	May 10, 2019	R	104 min	Comedie

	Show_ld	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Тур
7664	s7663	Movie	Work It	Laura Terruso	Sabrina Carpenter, Jordan Fisher, Liza Koshy,	United States	August 7, 2020	TV-14	94 min	Comedie

97 rows × 13 columns

In how many movies/shows, Tom cruise was cast?

In [96]:	dat	a.head((2)									
Out[96]:		Show_ld	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Туре	Des
	0	s1	TV Show	3%	NaN	João Miguel, Bianca Comparato, Michel Gomes, R	Brazil	August 14, 2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi &	In wl elite an i
	1 s2	Movie	07:19	Jorge Michel Grau	Demián Bichir, Héctor Bonilla, Oscar Serrano,	Mexico	December 23, 2016	TV-MA	93 min	Dramas, International Movies	dev ear hits	
T [100	1 - 1	. F.J. (. F		1	0 - 1 1	-						
In [100	dat	alaatal	'Cast']=	= 10m	Cruise']						
Out[100]:		Show_Id	Category	Title	Director	Cast Counti	y Releas	se_Date Rating) Duratio	on Type	Description	Date
In [102	#2r	nd - str	contain.	s()								
	dat	a[data['Cast'].	str.c	ontains('Tom Cruis	se')]					

```
ValueError
                                                   Traceback (most recent call last)
        Input In [102], in <cell line: 3>()
              1 #2nd - str.contains()
        ----> 3 data[data['Cast'].str.contains('Tom Cruise')]
        File ~\anaconda3\lib\site-packages\pandas\core\frame.py:3495, in DataFrame.__getitem__(s
        elf, key)
           3492
                    return self.where(key)
           3494 # Do we have a (boolean) 1d indexer?
        -> 3495 if com.is_bool_indexer(key):
                    return self._getitem_bool_array(key)
           3498 # We are left with two options: a single key, and a collection of keys,
           3499 # We interpret tuples as collections only for non-MultiIndex
        File ~\anaconda3\lib\site-packages\pandas\core\common.py:144, in is_bool_indexer(key)
                    na_msg = "Cannot mask with non-boolean array containing NA / NaN values"
                    if lib.infer_dtype(key) == "boolean" and isna(key).any():
            141
                        # Don't raise on e.g. ["A", "B", np.nan], see
            142
            143
                        # test_loc_getitem_list_of_labels_categoricalindex_with_na
        --> 144
                        raise ValueError(na_msg)
            145
                    return False
            146 return True
        ValueError: Cannot mask with non-boolean array containing NA / NaN values
In [ ]:
       # so first we have to remove null values than we can try to find the result
```

Create new data frame

```
data_new= data.dropna()
                                                                  #it will drop the rows that conatians all o
In [104...
           data_new.head(2)
Out[104]:
               Show_Id Category
                                    Title Director
                                                       Cast
                                                               Country Release_Date Rating Duration
                                                                                                                    Des
                                                                                                              Type
                                                     Demián
                                                       Bichir,
                                             Jorge
                                                      Héctor
                                                                                                            Dramas,
                                                                                                                     de
                                                                         December 23,
            1
                     s2
                            Movie 07:19
                                                                                       TV-MA
                                            Michel
                                                     Bonilla,
                                                                Mexico
                                                                                                93 min International
                                                                                                                      ea
                                             Grau
                                                       Oscar
                                                                                                             Movies
                                                                                                                      hit
                                                     Serrano,
                                                       Tedd
                                                       Chan,
                                                       Stella
                                                                                                             Horror
                                                      Chung,
                                            Gilbert
                                                                         December 20,
                                                                                                            Movies.
            2
                     s3
                            Movie 23:59
                                                              Singapore
                                                                                                 78 min
                                             Chan
                                                                                                        International
                                                      Henley
                                                                                2018
                                                                                                             Movies
                                                         Hii,
                                                    Lawrence
           data_new[data_new['Cast'].str.contains('Tom Cruise')]
In [105...
```

Out[105]:		Show_ld	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Тур
38	860	s3861	Movie	Magnolia	Paul Thomas Anderson	Jeremy Blackman, Tom Cruise, Melinda Dillon, A	United States	January 1, 2020	R	189 min	Dramas Independer Movie
50	071	s5071	Movie	Rain Man	Barry Levinson	Dustin Hoffman, Tom Cruise, Valeria Golino, Ge	United States	July 1, 2019	R	134 min	Classi Movies Drama

What are the different ratings defined by Netflix?

```
# data.nunque()
In [106...
           data.head(2)
Out[106]:
               Show_Id Category
                                    Title
                                         Director
                                                              Country
                                                                       Release_Date Rating Duration
                                                                                                            Type
                                                                                                                  Des
                                                        João
                                                                                                      International
                                                      Miguel,
                                                                                                                    h
                                                                                                        TV Shows,
                                                      Bianca
                                                                          August 14,
                                                                                                                    V
                     s1
                        TV Show
                                     3%
                                             NaN Comparato,
                                                                 Brazil
                                                                                     TV-MA
                                                                                                       TV Dramas,
                                                                               2020
                                                                                             Seasons
                                                                                                                   eli
                                                       Michel
                                                                                                         TV Sci-Fi
                                                                                                                   an
                                                      Gomes,
                                                                                                              &...
                                                         R...
                                                      Demián
                                                       Bichir,
                                            Jorge
                                                                                                          Dramas,
                                                                                                                   de
                                                       Héctor
                                                                        December 23,
            1
                            Movie 07:19
                                                                                     TV-MA
                     s2
                                                               Mexico
                                                                                               93 min International
                                           Michel
                                                                                                                   ea
                                                                               2016
                                                      Bonilla,
                                            Grau
                                                                                                           Movies
                                                                                                                   hit
                                                       Oscar
                                                   Serrano, ...
           data['Rating'].nunique()
In [107...
Out[107]:
           data['Rating'].unique()
In [108...
            array(['TV-MA', 'R', 'PG-13', 'TV-14', 'TV-PG', 'NR', 'TV-G', 'TV-Y', nan,
Out[108]:
                     'TV-Y7', 'PG', 'G', 'NC-17', 'TV-Y7-FV', 'UR'], dtype=object)
```

How many movies got the 'TV-14' rating in canada

```
In [109... data.head(2)
```

Out[109]:		Show_ld	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Туре	Des
	0	s1	TV Show	3%	NaN	João Miguel, Bianca Comparato, Michel Gomes, R	Brazil	August 14, 2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi &	lı v eli an
	1	s 2	Movie	07:19	Jorge Michel Grau	Demián Bichir, Héctor Bonilla, Oscar Serrano,	Mexico	December 23, 2016	TV-MA	93 min	Dramas, International Movies	de ea hit

In [112... data['Category']=='Movie')&(data['Rating']=='TV-14')&(data['Country']=='Canada')]

Out[112]:		Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration
	30	s31	Movie	#cats_the_mewvie	Michael Margolis	NaN	Canada	February 5, 2020	TV-14	90 min
	34	s35	Movie	#Roxy	Michael Kennedy	Jake Short, Sarah Fisher, Booboo Stewart, Dann	Canada	April 10, 2019	TV-14	105 min
	608	s609	Movie	At First Light	Jason Stone	Stefanie Scott, Theodore Pellerin, Percy Hynes	Canada	December 27, 2018	TV-14	91 min
	1506	s1507	Movie	Counterfeiting in Suburbia	Jason Bourque	Sarah Butler, Larissa Albuquerque, Kayla Walla	Canada	July 1, 2018	TV-14	88 min
	3713	s3714	Movie	Long Time Running	Jennifer Baichwal, Nicholas de Pencier	Gord Downie, Paul Langlois, Gord Sinclair, Rob	Canada	November 12, 2017	TV-14	96 min
	3956	s3957	Movie	Martin Matte: La vie, la morteh la la!	Jean- François Blais	Martin Matte	Canada	October 14, 2019	TV-14	62 min
	5336	s5336	Movie	Sadie's Last Days on Earth	Michael Seater	Morgan Taylor Campbell, Clark Backo, Ricardo H	Canada	August 22, 2017	TV-14	94 min
	5393	s5393	Movie	Sardaar ji	Rohit Jugraj	Diljit Dosanjh, Neeru Bajwa, Mandy Takhar, Jas	Canada	December 1, 2017	TV-14	140 min
	6062	s6062	Movie	The Accountant of Auschwitz	Matthew Shoychet	NaN	Canada	July 1, 2019	TV-14	78 min
	7025	s7024	Movie	The Wrong Babysitter	George Mendeluk	Daphne Zuniga, Seann Gallagher, Lisa Marie Car	Canada	June 18, 2019	TV-14	89 min
	7041	s7040	Movie	There's Something in the Water	Ellen Page, Ian Daniel	Ellen Page	Canada	March 27, 2020	TV-14	72 min

How many tv shows get the "R" rating after year 2018

In [113	data.h	nead(2	?)										
Out[113]:	Sh	ow_ld	Category	Title	Director	Ca	st Cou	ıntry F	Release_Date	Rating	Duration	Туре	Des
	0	s1	TV Show	3%	NaN	Joá Migue Biand Comparat Mich Gome	el, ca o, E el s,	Brazil	August 14, 2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi &	lı v eli an
	1	s2	Movie	07:19	Jorge Michel Grau	Ronill	ir, or Me a, ar	exico	December 23, 2016	TV-MA	93 min	Dramas, International Movies	de ea hit
In [118	data[(data['Categor	y']==	'TV Sho	w')&(data	a['Rat	ing']:	=='R')&(dat	:a['Yea	ır']>2018	3)]	
Out[118]:			ld Catego			Director			ry Release_[Des
	6437	s64:	36 TV Sho	ow Ext	\vdash $((((((((((((((((((((((((((((((((((($	Quentin ^{Ja} arantino F	Samuel L. ackson, Kurt Russell, lennifer Jaso	Na	aN April 25, 2	2019	R Se	1 TV ason Shows	Tr sta : sto

What is the maximum duration of a Movie/show on Netflix

In [119	dat	a.head(2	2)									
Out[119]:		Show_ld	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Туре	Des
	0	s1	TV Show	3%	NaN	João Miguel, Bianca Comparato, Michel Gomes, R	Brazil	August 14, 2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi &	lı v eli an
	1	s2	Movie	07:19	Jorge Michel Grau	Demián Bichir, Héctor Bonilla, Oscar Serrano,	Mexico	December 23, 2016	TV-MA	93 min	Dramas, International Movies	de ea hit

```
array(['4 Seasons', '93 min', '78 min', '80 min', '123 min', '1 Season '95 min', '119 min', '118 min', '143 min', '103 min', '89 min', '91 min', '149 min', '144 min', '124 min', '87 min', '110 min',
Out[121]:
                                                                                        '128 min', '149 min', '144 min', '124 min', '87 min', '100 min', '128 min', '117 min', '100 min', '2 Seasons', '84 min', '99 min', '90 min', '102 min', '104 min', '105 min', '56 min', '125 min', '81 min', '97 min', '106 min', '107 min', '109 min', '44 min',
                                                                                       '75 min', '101 min', '3 Seasons', '37 min', '113 min', '114 min', '130 min', '94 min', '140 min', '135 min', '82 min', '70 min', '121 min', '92 min', '164 min', '53 min', '83 min', '116 min', '116 min', '117 min', '118 min', '119 m
                                                                                       '86 min', '120 min', '96 min', '126 min', '129 min', '77 min', '137 min', '148 min', '28 min', '122 min', '176 min', '85 min', '22 min', '68 min', '111 min', '29 min', '142 min', '168 min', '21 min', '59 min', '20 min', '98 min', '108 min', '76 min', '21 min', '159 min', '150 min', '15
                                                                                        '26 min', '156 min', '30 min', '57 min', '150 min', '133 min'
                                                                                        '115 min', '154 min', '127 min', '146 min', '136 min', '88 min',
                                                                                       '131 min', '24 min', '112 min', '74 min', '63 min', '38 min', '25 min', '174 min', '60 min', '153 min', '158 min', '151 min', '162 min', '54 min', '51 min', '69 min', '64 min', '147 min', '42 min', '79 min', '5 Seasons', '40 min', '45 min', '172 min', '174 min', '175 min', '
                                                                                       '10 min', '163 min', '9 Seasons', '55 min', '72 min', '61 min', '71 min', '160 min', '171 min', '48 min', '139 min', '157 min', '15 min', '65 min', '134 min', '161 min', '62 min', '8 Seasons',
                                                                                        '186 min', '49 min', '73 min', '58 min', '165 min', '166 min', '138 min', '159 min', '141 min', '132 min', '52 min', '67 min'
                                                                                        '34 min', '66 min', '312 min', '180 min', '47 min', '6 Seasons',
                                                                                        '155 min', '14 min', '177 min', '11 min', '9 min', '46 min',
                                                                                        '145 min', '11 Seasons', '7 Seasons', '13 Seasons', '8 min', '12 min', '12 Seasons', '10 Seasons', '43 min', '50 min', '23 min',
                                                                                        '185 min', '200 min', '169 min', '27 min', '170 min', '196 min',
                                                                                        '33 min', '181 min', '204 min', '32 min', '35 min', '167 min',
                                                                                        '16 Seasons', '179 min', '193 min', '13 min', '214 min', '17 min',
                                                                                       '173 min', '192 min', '209 min', '187 min', '41 min', '182 min', '224 min', '233 min', '189 min', '152 min', '19 min', '15 Seasons', '208 min', '237 min', '31 min', '178 min', '230 min', '194 min',
                                                                                        '228 min', '195 min', '3 min', '16 min', '5 min', '18 min',
                                                                                        '205 min', '190 min', '36 min', '201 min', '253 min', '203 min',
                                                                                        '191 min'], dtype=object)
In [122... data.Duration.dtypes
                                                    dtype('0')
Out[122]:
In [126... # str.split()
                                                 data[['Minutes', 'unit']] = data['Duration'].str.split(' ',expand= True)
In [127... data.head(2)
                                                                 Show_Id Category
                                                                                                                                                       Title Director
                                                                                                                                                                                                                                             Cast Country Release Date Rating Duration
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Type Des
Out[127]:
                                                                                                                                                                                                                                             João
                                                                                                                                                                                                                                     Miguel,
                                                                                                                                                                                                                                                                                                                                                                                                                                                 International
                                                                                                                                                                                                                                                                                                                                                                                                                                                     TV Shows,
                                                                                                                                                                                                                                       Bianca
                                                                                                                                                                                                                                                                                                                          August 14,
                                                     0
                                                                                        s1 TV Show
                                                                                                                                                           3%
                                                                                                                                                                                              NaN Comparato,
                                                                                                                                                                                                                                                                                  Brazil
                                                                                                                                                                                                                                                                                                                                                                        TV-MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                  TV Dramas,
                                                                                                                                                                                                                                                                                                                                                                                                          Seasons
                                                                                                                                                                                                                                                                                                                                              2020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       eli
                                                                                                                                                                                                                                        Michel
                                                                                                                                                                                                                                                                                                                                                                                                                                                           TV Sci-Fi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       an
                                                                                                                                                                                                                                    Gomes,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                &...
                                                                                                                                                                                                                                                  R...
                                                                                                                                                                                                                                    Demián
                                                                                                                                                                                                                                         Bichir,
                                                                                                                                                                                           Jorge
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Dramas,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       de
                                                                                                                                                                                                                                       Héctor
                                                                                                                                                                                                                                                                                                               December 23,
                                                     1
                                                                                          s2
                                                                                                                       Movie 07:19
                                                                                                                                                                                        Michel
                                                                                                                                                                                                                                                                            Mexico
                                                                                                                                                                                                                                                                                                                                                                        TV-MA
                                                                                                                                                                                                                                                                                                                                                                                                                 93 min International
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ea
                                                                                                                                                                                                                                     Bonilla,
                                                                                                                                                                                                                                                                                                                                              2016
                                                                                                                                                                                            Grau
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Movies
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       hit
                                                                                                                                                                                                                                         Oscar
```

Serrano, ...

h

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Which individual contry has the Higest No. Of TV shows?

In [133	data.hea	ad (2	2)												
Out[133]:	Show	_ld	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Туре	De			
	0	s1	TV Show	3%	NaN	João Miguel, Bianca Comparato, Michel Gomes, R	Brazil	August 14, 2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi &	lı v eli an			
	1	s2	Movie	07:19	Jorge Michel Grau	Demián Bichir, Héctor Bonilla, Oscar Serrano,	Mexico	December 23, 2016	TV-MA	93 min	Dramas, International Movies	de ea hit			
In [136															
111 [130	<pre>data_tvshow= data[data['Category']=='TV Show'] data_tvshow_bead(2)</pre>														
In [137	data_tvshow.head(2)														
Out[137]:															
	0	s1	TV Show	3%	NaN	João Miguel, Bianca Comparato, Michel Gomes, R	Brazil	August 14, 2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi &	In w elit an			
	5	s6	TV Show	46	Serdar Akar	Erdal Beşikçioğlu, Yasemin Allen, Melis Birkan	Turkey	July 1, 2017	TV-MA	1 Season	International TV Shows, TV Dramas, TV Mysteries	A p exp			
In [139	data_tvs	shov	v.Country	.valu	e_counts	s().head(1)								
Out[139]:			try, dty	05 pe: i	nt64										

Loading [MathJax]/extensions/Safe.js

How can we sort dataset by Year?

In [140	dat	a.head(2	2)									
Out[140]:		Show_ld	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Туре	De
	0	s1	TV Show	3%	NaN	João Miguel, Bianca Comparato, Michel Gomes, R	Brazil	August 14, 2020	TV-MA	4 Seasons	International TV Shows, TV Dramas, TV Sci-Fi &	lı v eli an
	1	s2	Movie	07:19	Jorge Michel Grau	Demián Bichir, Héctor Bonilla, Oscar Serrano,	Mexico	December 23, 2016	TV-MA	93 min	Dramas, International Movies	de ea hit
In [142	dat	:a.sort_\	/alues(by	' = 'Ye	ear')							

Out[142]:		Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	
	7115	s7114	Movie	To and From New York	Sorin Dan Mihalcescu	Barbara King, Shaana Diya, John Krisiukenas, Y	United States	January 1, 2008	TV-MA	81 min	E Inder -
	1765	s1766	TV Show	Dinner for Five	NaN	NaN	United States	February 4, 2008	TV-MA	1 Season	St Co Talk
	3248	s3249	Movie	Just Another Love Story	Ole Bornedal	Anders W. Berthelsen, Rebecka Hemse, Nikolaj L	Denmark	May 5, 2009	TV-MA	104 min	E Interi
	5766	s5766	Movie	Splatter	Joe Dante	Corey Feldman, Tony Todd, Tara Leigh, Erin Way	United States	November 18, 2009	TV-MA	29 min	
	3840	s3841	Movie	Mad Ron's Prevues from Hell	Jim Monaco	Nick Pawlow, Jordu Schell, Jay Kushwara, Micha	United States	November 1, 2010	NR	84 min	Cult
	3374	s3375	TV Show	Kikoriki	NaN	lgor Dmitriev	NaN	NaN	TV-Y	2 Seasons	k
	3492	s3493	TV Show	La Familia P. Luche	NaN	Eugenio Derbez, Consuelo Duval, Luis Manuel Áv	United States	NaN	TV-14	3 Seasons	Interi TV S La
	3946	s3947	TV Show	Maron	NaN	Marc Maron, Judd Hirsch, Josh Brener, Nora Zeh	United States	NaN	TV-MA	4 Seasons	Co
	5138	s5138	TV Show	Red vs. Blue	NaN	Burnie Burns, Jason Saldaña, Gustavo Sorola, G	United States	NaN	NR	13 Seasons	TV A Adv
	6066	s6066	TV Show	The Adventures of Figaro Pho	NaN	Luke Jurevicius, Craig Behenna, Charlotte Haml	Australia	NaN	TV-Y7	2 Seasons	Kids' Co

7787 rows × 15 columns



Out[143]:		Show_ld	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	
	5564	s5564	Movie	Sherlock Holmes	Guy Ritchie	Robert Downey Jr., Jude Law, Rachel McAdams, M	United States, Germany, United Kingdom, Australia	January 1, 2021	PG-13	128 min	Ac Adve Con
	5919	s5919	Movie	Surf's Up	Ash Brannon, Chris Buck	Shia LaBeouf, Jeff Bridges, Zooey Deschanel, J	United States	January 1, 2021	PG	86 min	Child F M Com
	980	s981	TV Show	Bling Empire	NaN	NaN	NaN	January 15, 2021	TV-MA	1 Season	Real
	5955	s5955	Movie	Taare Zameen Par	Aamir Khan	Aamir Khan, Darsheel Safary, Tanay Chheda, Tis	India	January 10, 2021	PG	162 min	Dr. Interna N
	366	s367	Movie	Al acecho	Francisco D'Eufemia	Rodrigo de la Serna, Belen Blanco, Walter Jako	NaN	January 12, 2021	TV-MA	81 min	Interna M Th
	3374	s3375	TV Show	Kikoriki	NaN	lgor Dmitriev	NaN	NaN	TV-Y	2 Seasons	Kiu
	3492	s3493	TV Show	La Familia P. Luche	NaN	Eugenio Derbez, Consuelo Duval, Luis Manuel Áv	United States	NaN	TV-14	3 Seasons	Interna TV S Sp Lang T\
	3946	s3947	TV Show	Maron	NaN	Marc Maron, Judd Hirsch, Josh Brener, Nora Zeh	United States	NaN	TV-MA	4 Seasons	Con
	5138	s5138	TV Show	Red vs. Blue	NaN	Burnie Burns, Jason Saldaña, Gustavo Sorola, G	United States	NaN	NR	13 Seasons	TV Ac Adve Com TV Sc
Loading [MathJax]/	6066	s6066	TV Show	The Adventures of Figaro Pho	NaN	Luke Jurevicius, Craig Behenna, Charlotte Haml	Australia	NaN	TV-Y7	2 Seasons	Kids' 1 Con

Find all the instances where : Category is 'Movie' and Type is 'Dramas' or Category is 'TV Show ' & Type is 'Kids' 'TV'

In [149	data.	tail(2)									
Out[149]:		Show_ld	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Тур
	7787	s7786	TV Show	Zumbo's Just Desserts	NaN	Adriano Zumbo, Rachel Khoo	Australia	October 31, 2020	TV-PG	1 Season	International T Shows, Reali T
	7788	s7787	Movie	ZZ TOP: THAT LITTLE OL' BAND FROM TEXAS	Sam Dunn	NaN	United Kingdom, Canada, United States	March 1, 2020	TV-MA	90 min	Documentarie Music Musica
In [148	data[(data['C	ategory']=='Movi	e')& (da	ıta['Typ	oe']=='Dr	amas') (data	a['Cate	egory']==	'TV Show')

Out[148]:		Show_Id	Category	Title	Director	Cast	Country	Release_Date	Rating	Duration	Туре
	4	s5	Movie	21	Robert Luketic	Jim Sturgess, Kevin Spacey, Kate Bosworth, Aar	United States	January 1, 2020	PG-13	123 min	Dramas
	7	s8	Movie	187	Kevin Reynolds	Samuel L. Jackson, John Heard, Kelly Rowan, Cl	United States	November 1, 2019	R	119 min	Dramas
	170	s171	Movie	A Family Man	Mark Williams	Gerard Butler, Gretchen Mol, Alison Brie, Will	Canada, United States	December 15, 2019	R	110 min	Dramas
	232	s233	Movie	A Stoning in Fulham County	Larry Elikann	Ken Olin, Jill Eikenberry, Maureen Mueller, Gr	United States	October 1, 2011	TV-14	95 min	Dramas
	295	s296	Movie	Across Grace Alley	Ralph Macchio	Ben Hyland, Marsha Mason, Karina Smirnoff, Col	United States	December 1, 2016	TV-PG	24 min	Dramas
	7417	s7416	Movie	Victor	Brandon Dickerson	Patrick Davis, Lisa Vidal, Josh Pence, José Zú	United States	July 24, 2017	PG-13	110 min	Dramas
	7422	s7421	Movie	Villain	Philip Barantini	Craig Fairbrass, George Russo, Robert Gleniste	United Kingdom	September 5, 2020	R	97 min	Dramas
	7449	s7448	Movie	VS.	Ed Lilly	Connor Swindells, Fola Evans- Akingbola, Nichol	United Kingdom	June 19, 2019	TV-MA	99 min	Dramas
	7465	s7464	Movie	Wakefield	Robin Swicord	Bryan Cranston, Jennifer Garner, Jason O'Mara,	United States	March 2, 2019	R	109 min	Dramas
pading [MathJax]/	7480 /extension	s7479 ons/Safe.js	Movie	War Horse	Steven Spielberg	Emily Watson, David Thewlis, Peter Mullan, Nie	United States, India	May 6, 2019	PG-13	147 min	Dramas

117 rows × 15 columns

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