**Netflix Dataset** #importing the dataset import pandas as pd data = pd.read\_csv(r"C:\Users\PC\Downloads\8. Netflix Dataset.csv") In [2]: data Show Id Category Title Director Cast Country Release\_Date Rating Duration Type Description Out[2]: João Miguel, Bianca Comparato, International TV Shows, TV August 14, In a future where the elite 0 s1 TV Show 3% NaN Brazil Seasons 2020 Michel Gomes, R... Dramas, TV Sci-Fi &... inhabit an island .. Jorge After a devastating earthquake Demián Bichir, Héctor Bonilla, December 23, 07:19 1 s2 Movie Michel Mexico TV-MA 93 min Dramas, International Movies Oscar Serrano, ... 2016 hits Mexico Cit... Grau Gilbert Tedd Chan, Stella Chung, Henley December 20, When an army recruit is found Horror Movies, International 23:59 2 s3 Movie R 78 min Singapore dead, his fellow... Chan Hii, Lawrence ... 2018 In a postapocalyptic world, Elijah Wood, John C. Reilly, Action & Adventure, Shane November 16, 80 min Movie 9 **United States** PG-13 3 s4 rag-doll robots hi... Acker Jennifer Connelly... 2017 Independent Movies, Sci-Fi... A brilliant group of students Robert Jim Sturgess, Kevin Spacey, Kate January 1, 21 4 s5 Movie **United States** PG-13 123 min Dramas Luketic Bosworth, Aar... 2020 become card-coun... Sweden, Czech Republic, United October 19, When Lebanon's Civil War Imad Creidi, Antoinette Turk, Elias s7783 Movie Zozo Josef Fares 99 min Dramas, International Movies Kingdom, Denmar... 2020 deprives Zozo of his ... Gergi, Car... Vicky Kaushal, Sarah-Jane Dias, Dramas, International Movies, A scrappy but poor boy worms Mozez March 2, 2019 111 min 7785 s7784 Movie Zubaan TV-14 Raaghav Chanan... Music & Musicals Singh his way into a ty... Documentaries, International In this documentary, South September 25, 7786 s7785 Movie Zulu Man in Japan NaN Nasty C NaN TV-MA 44 min 2020 Movies, Music & M... African rapper Nast... October 31, International TV Shows, Dessert wizard Adriano 7787 s7786 TV Show Zumbo's Just Desserts NaN Adriano Zumbo, Rachel Khoo Australia TV-PG Season Reality TV 2020 Zumbo looks for the nex... Documentaries, Music & This documentary delves into ZZ TOP: THAT LITTLE OL' United Kingdom, Canada, United 7788 s7787 Movie Sam Dunn NaN March 1, 2020 TV-MA 90 min BAND FROM TEXAS the mystique behi... States Musicals 7789 rows × 11 columns Getting some basic information about the dataset 1.head() data.head() #to show top five records of dataset In [3]: Release\_Date Rating Show\_Id Category Title Director Cast Duration Type Description Out[3]: Country João Miguel, Bianca Comparato, Michel Gomes, 4 International TV Shows, TV Dramas, TV Sci-Fi TV Show 3% NaN In a future where the elite inhabit an island ... s1 Brazil August 14, 2020 Seasons Jorge Michel December 23, After a devastating earthquake hits Mexico Movie 07:19 Demián Bichir, Héctor Bonilla, Oscar Serrano, ... Mexico 93 min Dramas, International Movies s2 2016 December 20. Tedd Chan, Stella Chung, Henley Hii, Lawrence When an army recruit is found dead, his 23:59 Gilbert Chan Singapore Horror Movies, International Movies s3 Movie 78 min 2018 United Action & Adventure, Independent Movies, Sci-In a postapocalyptic world, rag-doll robots November 16, Shane Acker PG-13 80 min Movie Elijah Wood, John C. Reilly, Jennifer Connelly... States 2017 Jim Sturgess, Kevin Spacey, Kate Bosworth, United A brilliant group of students become card-Robert Luketic s5 21 January 1, 2020 123 min Dramas Movie States 2.tail() data.tail() # to show bottom five records of dataset Out[6]: Show\_Id Category Title Director Cast Country Release Date Rating Duration Type Description Imad Creidi, Antoinette Turk, Elias Josef Sweden, Czech Republic, United October 19, When Lebanon's Civil War Dramas, International Movies 7784 s7783 Movie Zozo TV-MA 99 min Fares Gergi, Car... Kingdom, Denmar... 2020 deprives Zozo of his ... Vicky Kaushal, Sarah-Jane Dias, A scrappy but poor boy worms Mozez Dramas, International Movies, s7784 India March 2, 2019 TV-14 111 min 7785 Movie Zubaan Singh Raaghav Chanan... Music & Musicals his way into a ty... In this documentary, South September 25, Documentaries, International Zulu Man in Japan 7786 s7785 NaN Movie NaN Nasty C 44 min 2020 Movies, Music & M... African rapper Nast... International TV Shows, Dessert wizard Adriano Zumbo October 31, TV-PG s7786 TV Show Zumbo's Just Desserts Adriano Zumbo, Rachel Khoo 7787 NaN Australia 2020 Season Reality TV looks for the nex... United Kingdom, Canada, United ZZ TOP: THAT LITTLE OL' BAND Documentaries, Music & This documentary delves into Sam s7787 March 1, 2020 TV-MA 7788 NaN 90 min FROM TEXAS Dunn Musicals the mystique behi... 3.shape data.shape #to show the no.of rows and columns In [8]: (7789, 11)Out[8]: 4.size data.size #to show no.of total values(elements) in the dataset In [9]: 85679 Out[9]: 5.columns data.columns In [10]: #to show each column name Index(['Show\_Id', 'Category', 'Title', 'Director', 'Cast', 'Country', Out[10]: 'Release\_Date', 'Rating', 'Duration', 'Type', 'Description'], dtype='object') 6.dtypes data.dtypes #to show the data type of each column object Show\_Id Out[11]: object Category Title object Director object object Cast Country object object Release\_Date object Rating Duration object Type object Description object dtype: object 7.info() In [12]: data.info() #to show indexes, columns, ddata-types of each column, memory at once <class 'pandas.core.frame.DataFrame'> RangeIndex: 7789 entries, 0 to 7788 Data columns (total 11 columns): Non-Null Count Dtype Column -----7789 non-null 0 Show\_Id object 7789 non-null Category 1 object 2 Title 7789 non-null object 3 Director 5401 non-null object 7071 non-null 4 Cast object 5 7282 non-null Country object 6 Release\_Date 7779 non-null object 7782 non-null Rating object 8 Duration 7789 non-null object 9 Type 7789 non-null 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. duplicate() data.head() In [13]: Show Id Category Title Release Date Rating Out[13]: Director Cast Country Duration **Type** Description João Miguel, Bianca Comparato, Michel Gomes, International TV Shows, TV Dramas, TV Sci-Fi s1 TV Show 3% NaN Brazil August 14, 2020 TV-MA In a future where the elite inhabit an island ... Seasons &.. After a devastating earthquake hits Mexico Jorge Michel December 23, 1 s2 Movie 07:19 Demián Bichir, Héctor Bonilla, Oscar Serrano, ... Mexico TV-MA 93 min Dramas, International Movies Grau 2016 December 20, When an army recruit is found dead, his Tedd Chan, Stella Chung, Henley Hii, Lawrence s3 Movie 23:59 Gilbert Chan Singapore 78 min Horror Movies, International Movies 2018 fellow.. In a postapocalyptic world, rag-doll robots United November 16, Action & Adventure, Independent Movies, Sci-3 Movie 9 Shane Acker Elijah Wood, John C. Reilly, Jennifer Connelly... PG-13 80 min 2017 States A brilliant group of students become card-Jim Sturgess, Kevin Spacey, Kate Bosworth, United s5 Movie 21 Robert Luketic January 1, 2020 PG-13 123 min **Dramas** States data.shape (7789, 11)Out[14]: data[data.duplicated()] #to check row wise and detect the duplicate rows Title Director Cast Type Out[16]: Show\_Id Category Release\_Date Rating Duration Description Country Black Deniro, Byron "Squally" Vinson, United Dramas, Independent Movies, When two would-be robbers accidentally kill 6300 s684 Movie Backfire Dave Patten April 5, 2019 TV-MA 97 min Thrillers Dominic .. States Seun Ajayi, Judith Audu, Tope Tedela, Ifu The Lost Abba T. September 4, Comedies, Dramas, Independent A disillusioned security guard transforms TV-MA 6622 s6621 Movie Nigeria 94 min Okoroshi 2020 Makama Movies data.drop\_duplicates() #to remove the duplicate rows permanently Out[17]: Show\_Id Category Title Director Cast Country Release\_Date Rating Duration Type Description International TV Shows, TV João Miguel, Bianca Comparato, August 14, 4 In a future where the elite 0 s1 TV Show 3% TV-MA NaN Brazil 2020 Seasons Dramas, TV Sci-Fi &... Michel Gomes, R... inhabit an island ... Jorge Demián Bichir, Héctor Bonilla, December 23, After a devastating earthquake 07:19 Michel TV-MA 93 min Dramas, International Movies s2 Movie Mexico 1 hits Mexico Cit... Oscar Serrano, ... 2016 Grau Gilbert Tedd Chan, Stella Chung, Henley When an army recruit is found December 20, Horror Movies, International s3 Movie 23:59 R 78 min Singapore Chan Hii, Lawrence ... 2018 dead, his fellow... Elijah Wood, John C. Reilly, November 16. Shane Action & Adventure, In a postapocalyptic world, **United States** PG-13 s4 Movie 80 min Independent Movies, Sci-Fi... Acker Jennifer Connelly... 2017 rag-doll robots hi... A brilliant group of students Robert Jim Sturgess, Kevin Spacey, Kate January 1, s5 Movie 21 **United States** PG-13 123 min **Dramas** Luketic Bosworth, Aar... 2020 become card-coun... Imad Creidi, Antoinette Turk, Elias Sweden, Czech Republic, United October 19, When Lebanon's Civil War Zozo Josef Fares 7784 s7783 Movie 99 min Dramas, International Movies Kingdom, Denmar... 2020 deprives Zozo of his ... Gergi, Car... Dramas, International Movies. Mozez Vicky Kaushal, Sarah-Jane Dias, A scrappy but poor boy worms 111 min 7785 s7784 Movie Zubaan India March 2, 2019 TV-14 Raaghav Chanan... Music & Musicals Singh his way into a ty... September 25, Documentaries, International In this documentary, South TV-MA 44 min 7786 s7785 Movie Zulu Man in Japan NaN Nasty C NaN 2020 Movies, Music & M... African rapper Nast... October 31, International TV Shows, Dessert wizard Adriano 7787 s7786 TV Show Zumbo's Just Desserts NaN Adriano Zumbo, Rachel Khoo Australia 2020 Season Reality TV Zumbo looks for the nex... ZZ TOP: THAT LITTLE OL' United Kingdom, Canada, United Documentaries, Music & This documentary delves into 7788 s7787 Movie Sam Dunn NaN March 1, 2020 TV-MA 90 min **BAND FROM TEXAS** States Musicals the mystique behi... 7787 rows × 11 columns #to remove the duplicate rows permanently data.drop\_duplicates(inplace = True) data[data.duplicated()] Show\_Id Category Title Director Cast Country Release\_Date Rating Duration Type Description Out[19]: data.shape In [20]: (7787, 11)Task 2: Is there any Null Value present in any column? show with Heat-Map. Isnull() data.head() In [21]: Show\_ld Category Director Cast Country Release\_Date Rating Duration **Type Description** Out[21]: João Miguel, Bianca Comparato, Michel Gomes, International TV Shows, TV Dramas, TV Sci-Fi NaN In a future where the elite inhabit an island ... s1 TV Show 3% August 14, 2020 TV-MA Brazil Seasons &... Jorge Michel December 23, After a devastating earthquake hits Mexico Movie 07:19 TV-MA Dramas International Movies Demián Bichir, Héctor Bonilla, Oscar Serrano, ... Mexico 93 min 2016 Grau Tedd Chan, Stella Chung, Henley Hii, Lawrence December 20, When an army recruit is found dead, his 23:59 Gilbert Chan Singapore Horror Movies, International Movies s3 Movie 78 min 2018 United November 16, Action & Adventure, Independent Movies, Sci-In a postapocalyptic world, rag-doll robots Elijah Wood, John C. Reilly, Jennifer Connelly... PG-13 80 min Movie Shane Acker States 2017 Jim Sturgess, Kevin Spacey, Kate Bosworth, United A brilliant group of students become card-21 Robert Luketic January 1, 2020 123 min s5 Movie PG-13 Dramas coun.. data.isnull() #to show where null value is present Show\_Id Category Title Director Cast Country Release\_Date Rating Duration Type Description Out[22]: False False False True False 2 False 7784 False 7785 False False False False False False 7786 False False False True False True False False False False False 7787 False False False True False 7788 False False False False False False False False False True False 7787 rows × 11 columns data.isnull().sum() #to show the count of null values in each column Show\_Id 0 Category 0 Title 2388 Director Cast 718 Country Release\_Date 10 Rating Duration Type Description dtype: int64 seaborn library(heat-map) import seaborn as sns #to import seaborn librarysns. In [24]: sns.heatmap(data.isnull()) #Using heat-map to show null values count <AxesSubplot:> Out[25] - 1.0 371 742 1113 1484 1855 2226 2597 2968 3339 3710 4081 4452 5565 5936 6308 66308 67051 7422 - 0.8 Duration Q.1 For 'House of Cards', what is the show id and who is the Director of this show? isin() data.head() Director Release\_Date Rating Duration Show\_ld Category Title Cast Country Type Description Out[26]: João Miguel, Bianca Comparato, Michel Gomes, International TV Shows, TV Dramas, TV Sci-Fi TV Show 3% NaN Brazil August 14, 2020 TV-MA In a future where the elite inhabit an island .. Seasons &... Jorge Michel December 23, After a devastating earthquake hits Mexico Movie 07:19 Demián Bichir, Héctor Bonilla, Oscar Serrano, ... Mexico TV-MA 93 min Dramas, International Movies Grau 2016 December 20, When an army recruit is found dead, his Tedd Chan, Stella Chung, Henley Hii, Lawrence Movie 23:59 Gilbert Chan Singapore 78 min Horror Movies, International Movies 2018 United November 16, Action & Adventure, Independent Movies, Sci-In a postapocalyptic world, rag-doll robots Elijah Wood, John C. Reilly, Jennifer Connelly.. Shane Acker PG-13 80 min States 2017 Jim Sturgess, Kevin Spacey, Kate Bosworth, United A brilliant group of students become card-Movie 21 Robert Luketic January 1, 2020 123 min **Dramas** States data['Title'].isin(['House of Cards']) #to show all records of a particular item in any column False Out[29]: False 2 False 3 False 4 False 7784 False 7785 False 7786 False 7787 False False Name: Title, Length: 7787, dtype: bool #to show all records of a particular item in any column data[data['Title'].isin(['House of Cards'])] Description Out[30]: Show\_Id Category Director Cast Country Release\_Date Rating Duration Kevin Spacey, Robin Wright, Kate Mara, TV Dramas, TV A ruthless politician will stop at nothing United House of Robin Wright, David Fincher, Gerald November 2, TV-MA 2832 s2833 TV Show Cards McRaney, J... States 2018 Seasons Thrillers Corey S... to ... str.contains() data['Title'].str.contains('House of Cards') #to show all records of a particular string in any column Out[32]: False 2 False 3 False False 7784 False 7785 False 7786 False 7787 False 7788 False Name: Title, Length: 7787, dtype: bool data[data['Title'].str.contains('House of Cards')] #to show all records of a particular string in any column Out[33]: Show\_ld Category Title **Director** Cast Country Release\_Date Rating Duration Type Description House of Robin Wright, David Fincher, Gerald Kevin Spacey, Robin Wright, Kate Mara, United November 2, TV Dramas, TV A ruthless politician will stop at nothing 2832 s2833 TV Show TV-MA Seasons Cards McRaney, J... Corey S... States 2018 Thrillers Q.2 In which year highest number of the TV shows & movies were released? show with bar graph dtypes data.dtypes object Show\_Id Out[34] Category object Title object object Director Cast object Country object Release\_Date object object Rating Duration object Type object Description object dtype: object to\_datetime data['Date\_N'] = pd.to\_datetime(data['Release\_Date']) data.head() Release\_Date Rating Duration Out[38]: Show\_ld Category Title Director **Cast** Country Type Description Date\_N João Miguel, Bianca Comparato, Michel International TV Shows, TV Dramas, TV In a future where the elite inhabit an island 2020-08-August 14, 2020 TV-MA s1 TV Show 3% NaN Brazil Seasons Sci-Fi &... Gomes, R.. Jorge Michel Demián Bichir, Héctor Bonilla, Oscar Serrano, December 23, After a devastating earthquake hits Mexico 2016-12-Movie 07:19 Mexico 93 min Dramas, International Movies Grau 2016 Tedd Chan, Stella Chung, Henley Hii, December 20, When an army recruit is found dead, his 2018-12-Gilbert Chan Horror Movies, International Movies Movie 23:59 Singapore 78 min 2018 Lawrence .. fellow... In a postapocalyptic world, rag-doll robots 2017-11-Elijah Wood, John C. Reilly, Jennifer United November 16, Action & Adventure, Independent Movies, Shane Acker 80 min 3 s4 Movie PG-13 States 2017 A brilliant group of students become card-Jim Sturgess, Kevin Spacey, Kate Bosworth, Robert Luketic January 1, 2020 PG-13 123 min States coun... data.dtypes In [39]: object Show\_Id Out[39]: Category object Title object Director object Cast object Country object Release\_Date object Rating object Duration object object Type Description object datetime64[ns] Date\_N dtype: object In [ ]: dt.year.value\_counts() data['Date\_N'].dt.year.value\_counts() #it counts the occurance of all individual years in date column 2153 Out[40] 2020.0 2009 2018.0 1685 2017.0 1225 2016.0 443 2021.0 117 2015.0 88 2014.0 25 2011.0 13 2013.0 11 2012.0 3 2008.0 2 2 2009.0 2010.0 1 Name: Date\_N, dtype: int64 Bar Graph data['Date\_N'].dt.year.value\_counts().plot(kind='bar') <AxesSubplot:> Out[42]: 2000 1500 1000 500 2015.0 2014.0 2012.0 Q.3 How many Movies &TV shows are in the datasets? Show with Bar Graph groupby() data.head(2) Out[43]: Show\_Id Category Cast Country Release\_Date Rating Duration Director Description Date\_N In a future where the elite inhabit an island João Miguel, Bianca Comparato, Michel 4 International TV Shows, TV Dramas, TV Sci-2020-08-TV Show NaN Brazil August 14, 2020 TV-MA Seasons Gomes, R.. Fi &... Jorge Michel Demián Bichir, Héctor Bonilla, Oscar Serrano, After a devastating earthquake hits Mexico 2016-12-December 23, TV-MA Movie 07:19 Dramas, International Movies 93 min Grau 2016 23 data.groupby('Category') #to group all unique items of a column and show their count <pandas.core.groupby.generic.DataFrameGroupBy object at 0x000001661A37B730> Out[44]: data.groupby('Category').Category.count() #to group all unique items of a column and show their count Category Out[45] 5377 TV Show 2410 Name: Category, dtype: int64 Countplot() In [47]: sns.countplot(data['Category']) #to show the count of all unique values of any column in the form of bar graph C:\Users\PC\anaconda3\lib\site-packages\seaborn\\_decorators.py:36: FutureWarning: Pass the following variable as a keyword arg: x. From version 0.12, the only valid positional argu ment 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[47]: 5000 4000 3000 2000 1000 TV Show Movie Category Q.4 Show all the Movies that were released in year 2000 Creating new column In [48]: #data.head() data.head(2) Show\_Id Category Title Director Release\_Date Rating Duration Out[48]: Cast Country Type Description Date\_N In a future where the elite inhabit an island International TV Shows, TV Dramas, TV Sci-2020-08-João Miguel, Bianca Comparato, Michel 4 s1 TV Show NaN Brazil August 14, 2020 TV-MA Seasons 14 Jorge Michel Demián Bichir, Héctor Bonilla, Oscar Serrano, 2016-12-December 23, After a devastating earthquake hits Mexico Dramas, International Movies Movie 07:19 93 min 2016 #data['year'] = data['Date\_N'].dt.year data['year'] = data['Date\_N'].dt.year #to create new year column; it will consider only year #data.head(2) data.head(2)Out[50]: Show\_Id Category **Director Cast Country** Release Date Rating Duration Type Description Date\_N International TV Shows, TV Dramas, TV In a future where the elite inhabit an João Miguel, Bianca Comparato, Michel 2020-08-TV Show NaN August 14, 2020 TV-MA 2020.0 Gomes, R... Seasons Sci-Fi &... island ... 14 Jorge Michel Demián Bichir, Héctor Bonilla, Oscar December 23, After a devastating earthquake hits 2016-12-Movie 07:19 TV-MA 2016.0 s2 Mexico 93 min Dramas, International Movies 2016 Mexico Cit... 23 Serrano, ... Filtering #data[ (data['Category'] == 'movie') & (data['year']==2020) ] data[ (data['Category'] == 'Movie') & (data['year']==2000) ] Out[52]: Show\_Id Category Title Director Cast Country Release\_Date Rating Duration Type Description Date\_N year In [53]: data[ (data['Category'] == 'Movie') & (data['year']==2020) ] Country Release\_Date Rating Duration Description Date\_N Out[53]: Show\_Id Category Title Director Cast Type A brilliant group of January 1, Jim Sturgess, Kevin Spacey, PG-13 s5 Movie 21 Robert Luketic **United States** 123 min Dramas students become card-2020.0 Kate Bosworth, Aar... 2020 01-01 coun.. Amina Khalil, Ahmed Dawood, Horror Movies, After an awful accident, a 2020-Movie Yasir Al Yasiri June 1, 2020 TV-MA 95 min 2020.0 Tarek Lotfy, Ahmed... International Movies couple admitted to ... 06-01 Omar Epps, Kate Walsh, Stranded when the Earth March 19, Independent Movies, Sci-2020-14 s15 Movie 3022 John Suits **United States** 91 min 2020.0 Miranda Cosgrove, Angus... 03-19 2020 Fi & Fantasy, Thrillers is suddenly destroyed ... Horror Movies, As a grisly virus September 8, 2020-27 s28 Movie #Alive Cho II TV-MA 99 min 2020.0 Yoo Ah-in, Park Shin-hye South Korea International Movies rampages a city, a lone 2020 09-08 **Thrillers** Sabina Fedeli, Through her diary, Anne #AnneFrank - Parallel Documentaries. 2020-28 s29 Movie Helen Mirren, Gengher Gatti July 1, 2020 95 min 2020.0 Anna Migotto **International Movies** Frank's story is retol... 07-01 An unqualified young 2020-Ahmed Helmy, Yasmin Comedies, International May 19, 2020 TV-PG 7762 s7761 Movie Zaki Chan 109 min 2020.0 Wael Ihsan man has his work cut out Abdulaziz, Hassan Hosny, H... 05-19 Movies, Romantic Movies Tim Allen, Courteney Cox, January 11, Children & Family Dragged from civilian life, 2020s7782 **United States** 88 min 2020.0 7783 Movie Zoom Peter Hewitt Chevy Chase, Kate Ma... Movies, Comedies a former superhero... When Lebanon's Civil Imad Creidi, Antoinette Turk, October 19, Sweden, Czech Republic, Dramas, International 7784 s7783 Movie Zozo Josef Fares 99 min War deprives Zozo of his 2020.0 10-19 2020 Elias Gergi, Car... United Kingdom, Denmar... Movies Documentaries, In this documentary, 2020-September 25, South African rapper 7786 s7785 Movie Zulu Man in Japan NaN Nasty C TV-MA 44 min International Movies, 2020.0 09-25 2020 Music & M.. ZZ TOP: THAT LITTLE OL' United Kingdom, Canada, Documentaries, Music & This documentary delves 2020-March 1, 2020 TV-MA 7788 s7787 Sam Dunn NaN 2020.0 **BAND FROM TEXAS United States** into the mystique behi... 03-01 1312 rows × 13 columns Q.5 Show only the Titles of all TV shows that were released in india only. Filtering #data.head(2) data.head(2) Title Release\_Date Rating Duration Out[54]: Show\_Id Category Director Cast Country Type Description Date\_N year João Miguel, Bianca Comparato, Michel International TV Shows, TV Dramas, TV In a future where the elite inhabit an 2020-08-TV Show NaN Brazil August 14, 2020 TV-MA 2020.0 Seasons island .. Jorge Michel After a devastating earthquake hits 2016-12-Demián Bichir, Héctor Bonilla, Oscar December 23, Movie 07:19 Mexico TV-MA 93 min Dramas, International Movies 2016.0 2016 23 In [57]: #data [ (data['Category'] == 'TV show') & (data['Country'] == 'India') ] ['Title'] data[ (data['Category']=='TV Show') & (data['Country']=='India') ] Out[57]: Show\_Id Category Title Director Cast Country Release\_Date Rating Duration Type Description Date\_N 21 Sarfarosh: Saragarhi December 1, In one of history's greatest last 2018-TV-14 International TV Shows, TV Dramas TV Show NaN Luke Kenny, Mohit Raina, Mukul Dev India 2018.0 Season 1897 2018 stands, a ba... 12-01 Multiple women report their Nizar Rahman, Havish, Regina Cassandra, 2019-July 30, 2019 132 s133 TV Show 7 (Seven) TV Shows 2019.0 Season Nandita Swet.. 07-30 Shafi husbands as missin.. Crime TV Shows, International TV A mix of brilliance, erudition and skill Sharad Kelkar, Aahana Kumra, Mahesh 2017-Agent Raghav 340 s341 TV Show NaN India April 15, 2017 2017.0 Season 04-15 Manjrekar,... Shows, TV Act... enabl.. Kiku Sharda, Vishal Kotian, Delnaaz March 31, From battles of wit to fights for 2020-364 TV Show Akbar Birbal NaN India Kids' TV, TV Comedies, TV Dramas 2020.0 Season 03-31 Irani 2020 justice, Emp... International TV Shows, TV Horror, December 15, Spine-chilling stories of malevolent 2018-TV-14 533 s534 TV Show Anjaan: Rural Myths NaN NaN India 2018.0 2018 Season 12-15 TV Thrillers spirits u... August 24, From chefs and comedians to 2020-6249 s6249 TV Show The Creative Indians NaN NaN India TV-MA Docuseries, International TV Shows 2020.0 Seasons 08-24 filmmakers and fas... 2017-Writer, poet and lyricist Javed Akhtar The Golden Years with TV-G 6400 s6399 TV Show NaN NaN India June 1, 2017 Docuseries, International TV Shows 2017.0 06-01 Javed Akhtar With host Vinay Pathak, Indian 2017-March 31, 6469 s6468 TV Show The House That Made Me NaN Vinay Pathak India TV-PG International TV Shows, Reality TV 2017.0 2017 Seasons 03-31 celebrities ret... 2019-International TV Shows, TV Horror, Three young friends in Goa plan to Aarna Sharma, Aaryansh Malviya, 7294 s7293 TV Show NaN India July 19, 2019 TV-MA 2019.0 Typewriter Mikail Gandhi,... Season 07-19 TV Mysteries search an o... Vishesh Bansal, Mona Singh, Akarsh August 31, International TV Shows, TV In the summer of 1998, middle child 2018s7704 TV Show 7705 Yeh Meri Family NaN India TV-PG 2018.0 08-31 Khurana, Ah... 2018 Season Comedies Harshu bal... 71 rows × 13 columns data[ (data['Category']=='TV Show') & (data['Country']=='India') ] ['Title'] In [58]: 86 21 Sarfarosh: Saragarhi 1897 Out[58] 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 Yeh Meri Family Name: Title, Length: 71, dtype: object Q.6 Show Top 10 Directors, who gave the highest number of TV shows and Movies to Netflix? value\_counts() #data ['Director'].value\_counts().head(10) data.head(2)Release\_Date Rating Duration Description Out[59]: Show\_ld Category Title Director **Cast Country** Type Date\_N year João Miguel, Bianca Comparato, Michel International TV Shows, TV Dramas, TV In a future where the elite inhabit an Brazil s1 TV Show 3% NaN August 14, 2020 TV-MA 2020.0 Seasons 14 Gomes, R.. island ... Sci-Fi &... Demián Bichir, Héctor Bonilla, Oscar Jorge Michel December 23, After a devastating earthquake hits 2016-12-Movie 07:19 Dramas, International Movies Mexico TV-MA 93 min 2016 23 Mexico Cit... Serrano, .. data['Director'].value\_counts() Raúl Campos, Jan Suter 18 Out[60] Marcus Raboy 16 Jay Karas 14 Cathy Garcia-Molina 13 Jay Chapman 12 Vibhu Virender Puri Lucien Jean-Baptiste Jason Krawczyk Quinn Lasher Sam Dunn Name: Director, Length: 4050, dtype: int64 Q.7 In how many movies/shows, Tom Cruise was cast? #data.head() In [61]: data.head(2) Cast Country Show\_Id Category Release\_Date Rating Duration Description Out[61]: Director Date N João Miguel, Bianca Comparato, Michel International TV Shows, TV Dramas, TV In a future where the elite inhabit an 2020-08-August 14, 2020 TV-MA s1 TV Show NaN Brazil 2020.0 Seasons Sci-Fi &... island ... 14 Jorge Michel Demián Bichir, Héctor Bonilla, Oscar December 23, After a devastating earthquake hits 2016-12-Mexico TV-MA Dramas, International Movies Movie 07:19 93 min 2016 23 Filtering #data[data['Cast'] == 'Tom Cruise'] data[data['Cast'] == 'Tom Cruise'] Show\_ld Category Title Director Cast Country Release\_Date Rating Duration Type Description Date\_N year Out[63]: Q.8 which individual country has the Highest No.of TV shows? #data.head(2) In [64]: data.head(2)Show\_ld Category Director **Cast Country** Release\_Date Rating Duration Type Description Out[64]: João Miguel, Bianca Comparato, Michel International TV Shows, TV Dramas, TV In a future where the elite inhabit an s1 TV Show 2020.0 NaN Brazil August 14, 2020 TV-MA Seasons Gomes, R... Sci-Fi &... island ... 14 Demián Bichir, Héctor Bonilla, Oscar Jorge Michel December 23, After a devastating earthquake hits 2016-12-Movie 07:19 2016.0 Mexico TV-MA Dramas, International Movies 93 min 2016 Grau Serrano, ... Mexico Cit... #data\_tvshow = data[data['Category'] == 'TV Show'] data\_tvshow = data[data['Category'] == 'TV Show'] #data\_tvshow.head(2) data\_tvshow.head(2) Cast Country Release\_Date Rating Duration Out[66]: Show\_Id Category Title Director Type Description Date\_N August 14, 4 International TV Shows, TV Dramas, TV Sci-João Miguel, Bianca Comparato, Michel In a future where the elite inhabit an island 2020-08s1 TV Show NaN 2020.0 14 Gomes, R... 2020 Seasons Fi &.. Serdar Erdal Beşikçioğlu, Yasemin Allen, Melis International TV Shows, TV Dramas, TV A genetics professor experiments with a 2017-07s6 TV Show Turkey July 1, 2017 TV-MA Birkan.. treatm... #data\_tvshow.Country.value\_counts() data\_tvshow.Country.value\_counts() United States 705 Out[67] United Kingdom 204 Japan 157 South Korea 147 India 71 Canada, United States, United Kingdom, France, Luxembourg United States, Italy Chile, Italy Canada, United Kingdom 1 United States, France, South Korea, Indonesia Name: Country, Length: 183, dtype: int64 In [68]: #data\_tvshow.Country.value\_counts(), head(1) data\_tvshow.Country.value\_counts().head(1) United States 705 Out[68]: Name: Country, dtype: int64