n [70]:	#Import necessary Libaries/Packages  #Import the required package/Libaries  *matplotlib inline import pandas as pd import requests from bs4 import BeautifulSoup import numpy as np import seaborn as sns import matplotlib.pyplot as plt  import ast,json from datetime import datetime
n [71]:   ut[71]:	pd.read_csv("movies_df1.csv")  Unnamed: 0 movie_name year time genre votes rating matascore gross stars moviedirector  The Shawshank Redemption 1994 142 Drama 2,456,339 9.3 80 \$28.34M \frac{\text{NTIm}}{\text{Robbins,}} \frac{\text{Robbins,}}{\text{NMorgan}} \frac{\text{Frank}}{\text{Darabont}} \frac{\text{Frank}}{\text{Darabont}} \frac{\text{Frank}}{\text{Robbins,}} \frac{\text{Frank}}{\text{Robbins,}} \frac{\text{Frank}}{\text{Darabont}} \frac{\text{Frank}}{\text{Freeman,}} \frac{\text{Frank}}{\text{Freeman,}} \frac{\text{Frank}}{\text{Darabont}} \frac{\text{Frank}}{\text{Freeman,}} \frac{\text{Frank}}{\text{Freeman,}} \frac{\text{Frank}}{\text{Freeman,}} \frac{\text{Freeman,}}{\text{Freeman,}} \frac{\text{Freeman,}}{\text{Freeman,}} \frac{\text{Frank}}{\text{Freeman,}} \frac{\text{Frank}}{\text{Freeman,}} \frac{\text{Freeman,}}{\text{Freeman,}} \frac{\text{Freeman,}}{\text{Freeman,}} \frac{\text{Frank}}{\text{Freeman,}} \frac{\text{Freeman,}}{\text{Freeman,}} \frac{\text{Freeman,}}{Free
	1 1 The Godfather 1972 175 Crime, Drama 1,699,671 9.2 100 \$134.97M Brando, \nAl Pacino, \nAl Pacino, \nAl Pacino, \nAl Pacino, \nAl Pacino, \nAl Rogaria Francis Ford Coppola 2 2 Soorarai Pottru 2020 153 Drama 89,415 9.1 0 0 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	4 4 The Godfather: Part II 1974 202 Crime, Drama 1,180,480 9.0 90 \$57.30M Pacino, \nStars:\nAl Pacino, \nRobert De Niro, \n Francis Ford Coppola  1. Incendies 2010 131 Drama, Mystery, 161,082 8.3 80 \$6.86M Azabal \nMélissa Denis
	97 Kimetsu no Yaiba: Mugen Ressha-Hen 2020 117 Animation, Action, Adventure 34,356 8.3 75 \$47.70M In Stars:\nNatsuki Haruo Sotozaki Kitô, \n Sotozaki Sot
n [72]:   ut[72]:	100 rows × 11 columns  pd.read_csv("movies_df2.csv")  Unnamed: 0 movie_name year time genre votes rating matascore gross stars moviedirector  Adventure  Adventure
	1 leglourious Basterds 2009 153 Adventure, Drama, War 1,328,899 8.3 69 \$120.54M \nDiane Kruger, \nEl Tarantino  1 leternal Sunshine of the Spotless Mind the Spotless Mind d'Amélie Poulain d'Amélie Poulain 3 3 Snatch 2000 104 Comedy, Crime 809,751 8.3 69 \$120.54M \nDiane Kruger, \nEl \nDiane Kruger, \nEl \nDiane Kruger, \nEl \nStars:\nJim Carrey, \nKate Winslet, \nT \mathred{Michel Gondry Winslet, \nT}  1 leternal Sunshine of the Spotless Mind the Spotless Mi
	Pitt, \nS  A Requiem for a Dream 2000 102 Drama 794,016 8.3 68 \$3.64M Burstyn, \nJared Leto, \n  B All About Eve 1950 138 Drama 125,585 8.2 98 \$0.01M Davis, \nAnne Baxter, \nG  Pitt, \nS  \( \) \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
	96 The Treasure of the Sierra Madre 1948 126 Adventure, Drama, Western 119,324 8.2 98 \$5.01M Stars:\nHumphrey Bogart, \nWalter Husto  97 97 To Be or Not to Be 1942 99 Comedy, Romance, War Romance, War Romance, War 106,156 8.2 0 \$5.45M Chaplin, \nMack Swain,  Action, Adventure, Sierra Madre 1948 126 Adventure, Comedy, Drama Page 1940 1940 1940 1940 1940 1940 1940 1940
In [73]: Out[73]:	99 99 Sherlock Jr. 1924 45 Comedy, Romance 45,668 8.2 0 \$0.98M Keaton, \nKathryn McGuir  100 rows × 11 columns  pd.read_csv("movies_df3.csv")  Unnamed: 0 movie_name year time genre votes rating matascore gross stars moviedirector
	0Portrait de la jeune fille en feu2019122Drama, Romance76,4648.195\$3.76M\n Stars:\nNoémie Merlant, \nAdèle Haenel,Céline Sciamma11Pink 2016136Crime, Drama, Thriller42,2128.10\$1.24M\n Stars:\nTaapsee Pannu, \nAmitabh BachchAniruddha Roy Chowdhury22Three Billboards Outside Ebbing, Missouri2017115Comedy, Crime, Drama464,1868.188\$54.51M\n Stars:\nFrances McDormand, \n McDormand, \n McDormand, \n McDonagh
	3         3         Contratiempo         2016         106         Crime, Drama, Mystery         159,618         8.1         0         0         \n Stars:\nMario Casas, \nAna Wagener, \nJ         Oriol Paulo Wagener, \nJ           4         4         Ah-ga-ssi         2016         145         Romance, Thriller         127,058         8.1         84         \$2.01M         \n Stars:\nKim Minhee, \nHa Jungwoo, \nC         Park Chanwook           95         95         Solaris         1972         167         Drama, Mystery, Sci-Fi         86,480         8.1         90         0         \n Stars:\nNatalya Bondarchuk, \n Bo
	96 96 Le samouraï 1967 105 Crime, Drama, Mystery 48,225 8.1 0 \$0.04M Delon, \n Stars:\nAlain Périer Jean-Pierre Melville 97 97 Cool Hand Luke 1967 127 Crime, Drama 169,619 8.1 92 \$16.22M Newman, \nGeorge Kennedy, Stuart Rosenberg 98 98 Persona 1966 85 Drama, Thriller 110,175 8.1 86 0 Andersson, \nLiv Ullmann, Bergman
n [74]:	99 99 Andrei Rublev 1969 205 Biography, Drama, History 50,590 8.1 0 \$0.10M Solonitsyn, \nNan Lap Andrei Tarkovsky  100 rows × 11 columns  pd.read_csv("movies_df4.csv")
	0movie_nameyeartimegenrevotesratingmatascoregrossstarsmoviedirector00La battaglia di Algeri1966121Drama, War56,5658.196\$0.06M\n Stars:\nBrahim Hadjadj, \nJean Martin,Gillo Pontecorvo11El ángel exterminador196295Drama, Fantasy31,6488.100\n Stars:\nSilvia Pinal, \nJacqueline AndeLuis Buñuel22What Ever Happened to Baby Jane?1962134Drama, Horror, Thriller52,6538.175\$4.05M\n Stars:\nBette Davis, \nJoan Crawford, \Robert Aldrich
	3 Sanjuro 1962 96 Comedy, Crime Society Start St
	9696Vizontele2001110Comedy, Drama Drama35,1238.000\n Stars:\nYilmaz Erdogan, \nDemet Akbag,Yilmaz Erdogan9797Donnie Darko2001113Drama, Mystery, Sci-Fi762,5278.088\$1.48M\n Stars:\nJake Gyllenhaal, \nJena Malone,Richard Kelly Malone,9898Magnolia1999188Drama299,1268.077\$22.46M\n Stars:\nTom Cruise, \nJason Robards, \nPaul Thomas Anderson
	99 Dancer in the Dark 2000 140 Crime, Drama, Musical 105,747 8.0 61 \$4.18M \nCatherine Deneuve, \langle Lars von Trier \nD  100 rows × 11 columns  Merging the Files  df left = pd.read csv('movies df1.csv', header = 0, index col=None)
n [76]:	<pre>df_right = pd.read_csv('movies_df2.csv' , header = 0, index_col=None)  print(df_left) print(df_right)  Unnamed: 0</pre>
	4
	4
	<pre>3 \$534.86M \n Stars:\nChristian Bale, \nHeath Ledger, 4 \$57.30M \n Stars:\nAl Pacino, \nRobert De Niro, \n 95 \$7.10M \n Stars:\nPayman Maadi, \nLeila Hatami, \ 96 \$6.86M \n Stars:\nLubna Azabal, \nMélissa Désorme 97 \$47.70M \n Stars:\nNatsuki Hanae, \nAkari Kitô, \n 98 0 \n Stars:\nAnthony Hopkins, \nOlivia Colma 99 0 \n Stars:\nEser Sariyar, \nÇetin Tekindor,  moviedirector 0 Frank Darabont 1 Francis Ford Coppola 2 Sudha Kongara</pre>
	Christopher Nolan Francis Ford Coppola   Shappar Farhadi Denis Villeneuve Haruo Sotozaki Shappar Florian Zeller Cagan Irmak  [100 rows x 11 columns] Unnamed: 0 movie_name year time \ 0 0 Inglourious Basterds 2009 153 1 Eternal Sunshine of the Spotless Mind 2004 108
	2
	2
	\$34.40M \n Stars:\nJim Carrey, \nKate Winslet, \nT  \$33.23M \n Stars:\nAudrey Tautou, \nMathieu Kassov  \$30.33M \n Stars:\nJason Statham, \nBrad Pitt, \nS  \$3.64M \n Stars:\nEllen Burstyn, \nJared Leto, \n   \$50.01M \n Stars:\nBette Davis, \nAnne Baxter, \nG  \$5.01M \n Stars:\nHumphrey Bogart, \nWalter Husto  \$5.01M \n Stars:\nCarole Lombard, \nJack Benny, \  \$5.45M \n Stars:\nCarole Chaplin, \nMack Swain,  \$5.45M \n Stars:\nBuster Keaton, \nKathryn McGuir  \$5.09M \n Stars:\nBuster Keaton, \nKathryn McGuir
	Michel Gondry Jean-Pierre Jeunet Guy Ritchie Darren Aronofsky Joseph L. Mankiewicz Guy Anniewicz Guy Ritchie A
n [77]: n [78]: at[78]:	<pre>movieset_1 = pd.concat([df_left,df_right],axis=0,sort=False)  movieset_1  Unnamed:</pre>
	Redemption 1994 142 Drama 2,456,339 9.3 80 \$28.34W RODDINS, (InVolgan Freeman, Darabont Freeman, Darabont Freeman, The Godfather 1972 175 Crime, Drama 1,699,671 9.2 100 \$134.97M Brando, \nAl Pacino, \nJ Francis Ford Coppola Coppola \ 2 2 Soorarai Pottru 2020 153 Drama 89,415 9.1 0 0 \nAlpha \nA
	The Godfather: Part II 1974 202 Crime, Drama 1,180,480 9.0 90 \$57.30M \frac{\n Stars:\nAl Pacino, \nRobert De Niro, \nm}{\nRobert De Niro, \nm} Francis Ford Coppola
	96
n [79]:	99 Sherlock Jr. 1924 45 Action, Contedy, Romance 45,668 8.2 0 \$0.98M Keaton, \nKathryn McGuir  200 rows × 11 columns  movieset_1.to_csv("movieset_1.csv")  pd.read_csv("movieset_1.csv")
at[80]: -	Unnamed: 0Unnamed: 0Unnamed: 0movie_nameyeartimegenrevotesratingmatascoregrossstarsmoviedirector000Shawshank Redemption1994142Drama2,456,3399.380\$28.34M\n Stars:\nTim Robbins, \n Morgan Freeman,Frank Darabont111Godfather1972175Crime, Drama1,699,6719.2100\$134.97M\n Stars:\nMarlon Brando, \nAl Pacino, \nJFrancis Ford Coppola
	2 2 Soorarai 2020 153 Drama 89,415 9.1 0 0 Nn Stars:\nSuriya, \nAparn Sudha Kongara  3 3 The Dark Knight 2008 152 Action, Drama 2,412,057 9.0 84 \$534.86M Stars:\nChristian Bale, \nHeath Ledger, Christopher Nolan Ledger, Crime, Drama 1,180,480 9.0 9.0 \$57.30M Pacino, \nRobert De Niro, \n Francis Ford Coppola
	195
	IO RE OT NOT
n [81]:	<pre>df_left = pd.read_csv('movies_df3.csv', header = 0, index_col=None) df_right = pd.read_csv('movies_df4.csv', header = 0, index_col=None)  movieset_2 = pd.concat([df_left,df_right],axis=0,sort=False)  movieset_2</pre>
it[83]: -	Unnamed: 0 movie_name year time genre votes rating matascore gross stars moviedirector  Portrait de la jeune fille en feu 2019 122 Drama, Romance 76,464 8.1 95 \$3.76M \nabla frame \text{Notemie} \text{Merlant, \nAdèle \text{Notemie} \text{Sciamma}} \text{Céline Sciamma}  1 1 Pink 2016 136 Crime, Drama, Thriller 42,212 8.1 0 \$1.24M \nabla frame \text{Notemie} \text{Pannu, \nAmitabh Bachch} \text{Aniruddha Roy Chowdhury}  2 2 Three Billboards Outside Flybing Missouri 2017 115 Crime Drama 464,186 8.1 88 \$54.51M McDormand, McDor
	Three Billboards Outside Ebbing, Missouri  2017 115 Comedy, Crime, Drama 464,186 8.1 88 \$54.51M McDormand, \nWoody Harr  No Stars:\nMario Consan, \nAna Wagener, \nJ  Ah-ga-ssi 2016 145 Drama, Romance, Thriller
	95 Dogville 2003 178 Crime, Drama 143,292 8.0 60 \$1.53M Kidman, \nPaul Bettany,  96 96 Vizontele 2001 110 Comedy, Drama 35,123 8.0 0 0 Cricon Akbag, Yilmaz Erdogan  97 Ponnie Darko 2001 113 Drama, Mystery, Sci-Fi 762,527 8.0 88 \$1.48M Gyllenhaal, \nJena Malone, NStars:\nTom Malone, Paul Thomas
n [84]:	Palli Inomac
n [85]: at[85]:	pd.read_csv("movieset_2.csv")  Unnamed: Unnamed: movie_name year time genre votes rating matascore gross stars moviedirector  O Portrait de la jeune fille en feu 2019 122 Drama, Romance 76,464 8.1 95 \$3.76M Stars:\nNoémie Merlant, \nAdèle Haenel,
	1 1 1 Pink Pink Pink Pink Pink Pink Pink Pink
	3 3 3 Contratiempo 2016 106 Drama, Mystery 159,618 8.1 0 0 Stars:\nMario Casas, \nAna Wagener, \nJ  4 4 4 Ah-ga-ssi 2016 145 Drama, Romance, Thriller 127,058 8.1 84 \$2.01M Min-hee, \nHa Jung-woo, \nC  No by the stars:\nKim Min-hee, \nHa Jung-woo, \nC
	19595Dogville2003178Crime, Drama Drama143,2928.060\$1.53MStars:\nNicole Kidman, \nPaul Bettany,Lars von Trier1969696Vizontele2001110Comedy, Drama Drama35,1238.0000Stars:\nYilmaz Erdogan, \nDemet Akbag,Yilmaz Erdogan Akbag,1979797Donnie Darko2001113Drama, Mystery, 762,5278.088\$1.48M\n Stars:\nJake Gyllenhaal, \nleasRichard Kelly
	( <sub>3</sub> //llennaal
n [86]: n [87]: n [88]:	<pre>df_left = pd.read_csv('movieset_1.csv', header = 0, index_col=None) df_right = pd.read_csv('movieset_2.csv', header = 0, index_col=None)  imdb_movies = pd.concat([df_left,df_right],axis=0,sort=False)  imdb_movies</pre>
at[88]:	Unnamed: Unnamed: 0.1 movie_name year time genre votes rating matascore gross stars moviedirector  The Shawshank Redemption 1994 142 Drama 2,456,339 9.3 80 \$28.34M \frac{\capage{n}}{\capage{n}} \frac{\capage{n}}{\cap
	Drama Drama Drama Brando, \nAl Pacino, \nJ  2 2 2 Soorarai Pottru 2020 153 Drama 89,415 9.1 0 0 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	4         4         4         Part II         1974         202         Drama         1,180,480         9.0         90         \$57.30M         Pacino, \nRobert De Niro, \n         Coppola
	197 97 Donnie Darko 2001 113 Drama, Mystery, Sci-Fi 8.0 88 \$1.48M Gyllenhaal, Independent of the Stars:\nJake Gyllenhaal, Independent of the Stars:\nTom Goldent Gyllenhaal, Independent of the Stars:\nTom Goldent Gyllenhaal, Independent of the Stars:\nTom Gruise, \nJason Robards, \n Paul Thomas Anderson  198 99 99 Dancer in the Dark 2000 140 Drama, Musical 105,747 8.0 61 \$4.18M \nCatherine Deneuve, \nD \nDecember Crime Deneuve, \nD Lars von Trier
n [89]: n [90]:	<pre>#Rest the Index imdb_movies = imdb_movies.reset_index()  imdb_movies  unnamed: Unnamed: Unnamed: movie name, year time, genre, yetes rating matescare, gross, stars moviedirected.</pre>
	o 0 0 Shawshank Redemption The Godfather 1972 175 Crime, Drama 1,699,671 9.2 100 \$134.97M Stars:\nTm Stars:\nTm Stars:\nTm Robbins, \n Stars:\nTim Robbins, \n Stars:\nMarlon Brando, \nAl Pacino, \nJ
	2 2 2 Soorarai 2020 153 Drama 89,415 9.1 0 0 Stars:\nSuriya, \nParesh Rawal, \nAparn Sudh Konga \nAparn  3 3 3 The Dark Knight 2008 152 Crime, Drama 2,412,057 9.0 84 \$534.86M Stars:\nChristian Bale, \nHeath Ledger, Christoph Nola Ledger, Christoph Nola Ray
	4 4 4 4 Godratner: 1974 202 Drama 1,180,480 9.0 90 \$57.30M \nRobert De \niro, \n Copporation \n.
	397 197 97 97 Donnie Darko 2001 113 Drama, 762,527 8.0 88 \$1.48M Sci-Fi Richard Kel Albag,  398 198 98 98 Magnolia 1999 188 Drama 299,126 8.0 77 \$22.46M Cruise, \nJason Robards, \n Paul Thom. Andersc Robards, \n Park 2000 140 Drama, 105,747 8.0 61 \$4.18M \nCatherine Lars von Tri
n [91]:	Liancar in tha
n [92]:	<pre>#Data cleaing #1) remove duplicate columns/rows #2) check if any movies have 0 gross/matascore #3) remove unneccary \n and soon  imdb_movies.columns  Index(['index', 'Unnamed: 0', 'Unnamed: 0.1', 'movie_name', 'year', 'time',</pre>
n [94]: n [95]:	
n [96]:    at[96]:  -	index movie_name year time genre votes rating matascore gross stars moviedirector  1 1 1 The Godfather 1972 175 Crime, Drama 1,699,671 9.2 100 \$134.97M Brando, \n Stars:\nSuriya, \n St
	2 Soorarai Pottru 2020 153 Drama 89,415 9.1 0 0 \nAparesh Rawal, \nAparn Kongara  3 3 The Dark Knight 2008 152 Action, Crime, Drama 2,412,057 9.0 84 \$534.86M Bale, \nHeath Ledger, Christopher Nolan  4 4 The Godfather: Part II 1974 202 Crime, Drama 1,180,480 9.0 9.0 \$57.30M \nStars:\nAl Pacino, \nRobert De Niro, \n Francis Ford Coppola
	95 95 Jodaeiye Nader az Simin 2011 123 Drama 231,381 8.3 95 \$7.10M \frac{\text{N Stars:\nPayman Maadi, \nLeila \text{Hatami, \}}{\text{Mugen Ressha-Hen}} Asghar Farhadi \frac{\text{Payman Maadi, \nMelissa \text{Mumation, Action, Adventure}}{\text{34,356}} \$8.3 \$75 \$47.70M \frac{\text{N Stars:\nNatsuki \text{Hanae, \nAkari Kitô, \n}}{\text{N Stars:\nAnthony}}} \frac{\text{Haruo}}{\text{Stotozaki}} \frac{\text{Haruo}}{\text{Stotozaki}} \frac{\text{N Stars:\nAnthony}}{\text{N Stars:\nAnthony}} \frac{\text{Marion, Adventure}}{\text{N Stars:\nAnthony}} \frac{\text{N Stars:\nAnthony}}{\text{N Stars:\nAnthony}} \frac{\text{N Stars:\nAnthony}}{\tex
n [97]:	98 98 The Father 2020 97 Drama 92,041 8.3 88 0 Hopkins, \nOlivia Colma Florian Zeller Colma 100 rows × 11 columns  The Father 2020 97 Drama 92,041 8.3 88 0 Hopkins, \nOlivia Colma Florian Zeller Colma Colma Cagan Irmak 100 rows × 11 columns
n [97]: ut[97]: n [98]:	<pre>imdb_movies.shape  (400, 11)  imdb_movies.info()  <class 'pandas.core.frame.dataframe'=""> RangeIndex: 400 entries, 0 to 399 Data columns (total 11 columns):     # Column</class></pre>
	0 index 400 non-null int64  1 movie_name 400 non-null object  2 year 400 non-null int64  4 genre 400 non-null object  5 votes 400 non-null object  6 rating 400 non-null float64  7 matascore 400 non-null int64  8 gross 400 non-null object  9 stars 400 non-null object  10 moviedirector 400 non-null object  dtypes: float64(1), int64(3), object(7)
In []:   In []:   n [99]:	
In []:   n [100	<pre>imdb_movies['stars']=imdb_movies['stars'].str.replace(r"[\n:]",'')  <ipython-input-99-b96e2f8ca2ff>:2: FutureWarning: The default value of regex will change from True to False if a future version.     imdb_movies['stars']=imdb_movies['stars'].str.replace(r"[\n:]",'')  imdb_movies  index    movie_name year time</ipython-input-99-b96e2f8ca2ff></pre>
0	indexmovie_nameyeartimegenrevotesratingmatascoregrossgrossstarsmoviedirector00The Shawshank Redemption1994142Drama2,456,3399.380\$28.34MStarsMarlon Brando, Al Morgan Freeman, Bob GunDarabont11The Godfather1972175Crime, Drama1,699,6719.2100\$134.97MStarsMarlon Brando, Al Pacino, James CaanFrancis Ford Coppola22Soorarai Pottru2020153Drama89,4159.100StarsChristian Bale, Heath Kongara33The Dark Knight2008152Action, Crime, Drama2,412,0579.084\$534.86MStarsChristian Bale, Heath Ledger, AaronChristopher Nolan
	The Godfather: Part II 1974 202 Crime, Drama 1,180,480 9.0 90 \$57.30M StarsAl Pacino, Robert De Niro, Robert Du Coppola Dogville 2003 178 Crime, Drama 143,292 8.0 60 \$1.53M StarsNicole Kidman, Paul Bettany, Lauren Lars von Trier Stars lake Gyllenbaal Jena
	397 197 Donnie Darko 2001 113 Drama, Mystery, Sci-Fi 762,527 8.0 88 \$1.48M StarsJake Gyllenhaal, Jena Malone, Mary M Richard Kelly 398 198 Magnolia 1999 188 Drama 299,126 8.0 77 \$22.46M StarsTom Cruise, Jason Robards, Julianne Paul Thomas Anderson 399 199 Dancer in the Dark 2000 140 Crime, Drama, Musical 105,747 8.0 61 \$4.18M StarsBjörk, Catherine Deneuve, David Mors Lars von Trier 400 rows × 11 columns
n	<pre># Converting 0 values as null  year = [] for i in imdb_movies['year']:     year.append(i.replace('I ','').replace('III ','').replace('III','')))  gross = [] for i in imdb_movies.gross:     if len(i) == 1:</pre>
n [101   n [102	if len(i) == 1:
n [102	<pre>gross.append(np.nan) else:     gross.append(i)  imdb_movies['gross'] = gross  imdb_movies['gross']=imdb_movies['gross'].str.replace(r"[\$]",'')</pre>
n [102   n [103	<pre>else:     gross.append(i)  imdb_movies['gross'] = gross</pre>

<class 'pandas.core.frame.DataFrame'> RangeIndex: 400 entries, 0 to 399 Data columns (total 11 columns): Non-Null Count 0 400 non-null index int64  $\verb"movie_name"$ 400 non-null 1 object year 400 non-null object time 400 non-null int64 genre 400 non-null object 400 non-null object votes rating 400 non-null float64 400 non-null int64 matascore 8 321 non-null gross float64 9 400 non-null object stars moviedirector 400 non-null object dtypes: float64(2), int64(3), object(6) memory usage: 34.5+ KB imdb\_movies index movie\_name year time genre votes rating matascore gross stars moviedirector StarsTim Robbins, Morgan The Shawshank Frank 0 0 1994 142 2,456,339 9.3 80 28.34 Drama Darabont Redemption Freeman, Bob Gun... StarsMarlon Brando, Al Francis Ford The Godfather 1972 175 Crime, Drama 1,699,671 9.2 100 134.97 Pacino, James Caan... Coppola StarsSuriya, Paresh Rawal, Sudha 2 2 Soorarai Pottru 2020 153 Drama 89,415 9.1 0 NaN Aparna Balamur... Kongara Action, Crime, Christopher StarsChristian Bale, Heath 3 3 The Dark Knight 2008 152 2,412,057 9.0 84 534.86 Nolan Ledger, Aaron ... The Godfather: Part StarsAl Pacino, Robert De Francis Ford 1974 Crime, Drama 57.30 202 1,180,480 9.0 90 Niro, Robert Du... Coppola StarsNicole Kidman, Paul Dogville 2003 395 195 178 Crime, Drama 143,292 8.0 60 1.53 Lars von Trier Bettany, Lauren ... StarsYilmaz Erdogan, Yilmaz 396 196 Vizontele 2001 110 Comedy, Drama 8.0 0 NaN 35,123 Demet Akbag, Altan E... Erdogan Drama, Mystery, StarsJake Gyllenhaal, Jena 397 197 Donnie Darko 2001 113 762,527 8.0 88 1.48 Richard Kelly Malone, Mary M... Sci-Fi StarsTom Cruise, Jason **Paul Thomas** Magnolia 1999 398 198 188 299,126 8.0 77 22.46 Drama Robards, Julianne ... Anderson Crime, Drama, StarsBjörk, Catherine 399 199 Dancer in the Dark 2000 140 105,747 8.0 61 4.18 Lars von Trier Musical Deneuve, David Mors... 400 rows × 11 columns imdb\_movies = imdb\_movies.drop\_duplicates(keep = 'first') imdb movies.shape (400, 11)imdb movies.shape (400, 11)imdb\_movies['gross'].value\_counts() 0.01 6 4 0.17 0.06 4 1.11 3 0 10 315.54 1 95.86 0.75 2.80 223.81 1 Name: gross, Length: 289, dtype: int64 In [114... imdb movies.year.unique() array(['1994', '1972', '2020', '2008', '1974', '1957', '2003', '1993', '2010', '2021', '1999', '2001', '1966', '2002', '1990', '1980', '1975', '2019', '2014', '1998', '1997', '1995', '1991', '1977', '1962', '1954', '1946', '2018', '2011', '2006', '2000', '1988', '1968', '1960', '1955', '1942', '1936', '1931', '2017', '2016', 'I 2017', '2012', '2009', '2007', '1984', '1981', '1979', '1963', '1964', '1950', '1940', '2013', 'I 2020', '2005', '2004', '1992', '1987', '1986', '1983', '1973', '1971', '1959', '1958', '1952', '1948', '1944', '1941', '1927', '1921', '2015', '1996', '1989', '1978', '1976', '1965', '1961', '1953', '1925', '1924', 'III 2016', 'I 2014', 'I 2015', 'I 2013', '1982', '1967', '1969', '1951', '1949', '1939', '1937', '1934', '1930', '1928', '1926', '1920', 'I 2004'], dtype=object) Questions releated to movies Top 10 gross movies #Top Gross movie gross\_movies\_df=imdb\_movies.sort\_values(by="gross",ascending=False).head(10) gross movies df index movie\_name genre votes rating matascore gross stars moviedirector year StarsRobert Action, Adventure, 64 64 Avengers: Endgame 2019 932,485 78 858.37 Downey Jr., Chris Anthony Russo Drama Evans, Mark... StarsRobert Action, Adventure, 65 Avengers: Infinity War 2018 919,130 68 678.82 Downey Jr., Chris Anthony Russo Sci-Fi Hemsworth, ... StarsRobert Action, Adventure, 371 171 The Avengers 2012 1,305,336 8.0 69 623.28 Downey Jr., Chris Joss Whedon Sci-Fi Evans, Scar... StarsChristian Bale, Christopher Action, Crime, 3 The Dark Knight 2008 2,412,057 9.0 84 534.86 Heath Ledger, Drama Nolan Aaron ... StarsChristian Bale, Christopher The Dark Knight Rises 2012 Tom Hardy, Anne 68 68 Action, Adventure 1,574,147 8.4 78 448.14 164 Nolan Hath... StarsMatthew Animation, 45 45 981,118 88 422.78 Broderick, Jeremy Roger Allers The Lion King 1994 Adventure, Drama Irons, Jam... StarsTom Hanks, Animation, Toy Story 3 2010 158 158 784,517 8.2 92 415.00 Tim Allen, Joan Lee Unkrich Adventure, Cusack, N... Comedy StarsSam Neill, Action, Adventure, Steven 271 Jurassic Park 1993 906,530 68 402.45 Laura Dern, Jeff Spielberg Goldblum... StarsDaniel Harry Potter and the Adventure, Drama, 232 32 800,212 8.1 85 381.01 Radcliffe, Emma **David Yates** Deathly Hallows: Part 2 **Fantasy** Watson, Ruper... StarsAlbert Brooks, Animation, Andrew Finding Nemo 2003 249 Adventure, 982,038 90 380.84 Ellen DeGeneres, Stanton Comedy Alex... Less gross movies In [116... #Less Gross Movies lessgross = imdb\_movies.sort\_values(by ='gross', ascending=True).head() lessgross Out[116... index moviedirector time votes rating matascore stars movie\_name year genre gross StarsKang-ho Song, Kim Sang-Crime, Drama, Salinui chueok 2003 0.01 131 157,327 246 8.1 82 Bong Joon Ho Mystery kyung, Roe-ha... StarsBette Davis, Anne Baxter, Joseph L. All About Eve 1950 0.01 195 195 138 Drama 125,585 8.2 98 Mankiewicz George San... Vikramaditya StarsRajat Barmecha, Ronit Roy, 0.01 146 Udaan 2010 Drama 43,842 8.2 0 146 134 Manjot Si... Motwane StarsWagner Moura, André Action, Crime, 370 Tropa de Elite 2007 115 100,555 0.01 José Padilha 170 8.0 33 Drama Ramiro, Caio Jun... StarsRay Milland, Grace Kelly, Alfred Dial M for 1954 0.01 192 192 105 Crime, Thriller 166,190 8.2 75 Murder Hitchcock Robert Cum... **Top Rated Movie #Top Rated Movies** rating movies df=imdb movies.sort values(by="rating", ascending=False).head() rating movies df index year genre rating moviedirector movie\_name time votes matascore gross stars StarsTim Robbins, Morgan Frank The Shawshank 0 0 1994 9.3 28.34 142 Drama 2,456,339 80 Freeman, Bob Gun... Darabont Redemption StarsMarlon Brando, Al Francis Ford The Godfather 1972 175 100 134.97 Crime, Drama 1,699,671 9.2 Pacino, James Caan... Coppola StarsSuriya, Paresh Rawal, Sudha 2 2 Soorarai Pottru 2020 153 89,415 9.1 0 NaN Drama Aparna Balamur... Kongara Christopher Action, Crime, StarsChristian Bale, Heath The Dark Knight 2008 3 3 152 2,412,057 9.0 534.86 Drama Nolan Ledger, Aaron ... StarsAl Pacino, Robert De Francis Ford 202 9.0 57.30 The Godfather: Part II 1974 Crime, Drama 1,180,480 Niro, Robert Du... Coppola **Low Rated Movie** In [118... #Low Rated Movies leastrating\_movies\_df=imdb\_movies.sort\_values(by="rating", ascending=False).tail() leastrating movies df Out[118... index movie\_name year time genre rating matascore moviedirector votes gross StarsGolshifteh Farahani, 362 Darbareye Elly 119 49,825 0.11 Drama, Mystery Asghar Farhadi Shahab Hosseini... StarsAbhay Deol, Mahie Gill, Comedy, Drama, Anurag 363 2009 144 29,760 0.01 Dev.D Romance Kalki Koechl... Kashyap StarsDonnie Yen, Simon Yam, Action, Biography, 364 lp Man 2008 106 216,749 59 NaN Wilson Yip Siu-Wong Fan,... Drama My Name Is StarsShah Rukh Khan, Kajol, Drama 102,528 4.02 Karan Johar Sheetal Menon... StarsBjörk, Catherine Deneuve, Crime, Drama, Dancer in the Lars von Trier Musical Dark David Mors... In [49]: #Functions To Find Minimum and Maximum def find min max in(col): top = imdb movies[col].idxmax() top df = pd.DataFrame(imdb movies.loc[top]) bottom = imdb movies[col].idxmin() bottom df = pd.DataFrame(imdb movies.loc[bottom]) info\_df = pd.concat([top\_df, bottom\_df], axis=1) return info df min and max in rating of movies #Minimum and Maximum Rating find min max in('rating') 0 336 index 0 136 The Shawshank Redemption Shang-Chi and the Legend of the Ten Rings movie\_name year 1994 2021 132 time genre Drama Action, Adventure, Fantasy 2,456,339 43,736 votes 9.3 8.0 rating 80 71 matascore 28.34 NaN gross StarsTim Robbins, Morgan Freeman, Bob Gun... StarsSimu Liu, Awkwafina, Tony Chiu-Wai L... moviedirector Frank Darabont **Destin Daniel Cretton** In [134.. min max=imdb movies['votes']=imdb movies.gross.astype(float) min and max in votes of movies find min max in('votes') Out[136.. 64 146 index 146 movie\_name Avengers: Endgame Udaan 2019 2010 year 134 time genre Action, Adventure, Drama Drama 0.01 votes rating 8.4 8.2 matascore 78 858.37 0.01 gross [ StarsRobert Downey Jr., Chris Evans, M... [ StarsRajat Barmecha, Ronit Roy, Manjot... moviedirector Anthony Russo Vikramaditya Motwane min and max in runtime of movies #Minimum and Maximum time of movie find\_min\_max\_in('time') 145 199 145 index 199 movie\_name Gangs of Wasseypur Sherlock Jr. 2012 1924 year 321 time Action, Crime, Drama Action, Comedy, Romance genre votes 89,336 45,668 8.2 8.2 rating 0 matascore 89 0.98 gross NaN stars StarsManoj Bajpayee, Richa Chadha, Nawazu... StarsBuster Keaton, Kathryn McGuire, Joe ... moviedirector Anurag Kashyap **Buster Keaton** #Mean Run time of Movies imdb movies['time'].mean() Out[121... 130.95 #Max Run time of Movies imdb movies['time'].max() Out[122... 321 Runtime of movie plt.figure(figsize=(9,3), dpi = 100) #On x-axis plt.xlabel('Runtime of the imdb movies', fontsize = 15) #On y-axis plt.ylabel('Nos.of Movies in the Dataset', fontsize=15) #Name of the graph plt.title('RunTime of all the imdb movies', fontsize=15) #giving a histogram plot plt.hist(imdb movies['time'], rwidth = 0.9, bins =35) #displays the plot plt.show() RunTime of all the imdb\_movies Nos.of Movies in the  ${ t L}$ 40 30 20 10 200 50 100 250 300 Runtime of the imdb\_movies **#Most Voted Movies or popular Movies** In [124... #Most Voted Movies or popular Movies popular\_movies\_df = imdb\_movies.sort\_values(by ='votes', ascending=False).head() popular movies df.head() Out[124... index genre moviedirector movie\_name rating matascore year time votes gross stars StarsMel Gibson, Biography, Drama, 986,858 109 109 178 Sophie Marceau, Braveheart 1995 8.3 75.60 68 Mel Gibson History Patrick ... StarsJim Carrey, Ed 258 58 The Truman Show 103 8.1 90 125.62 Harris, Laura Peter Weir 1998 Comedy, Drama 985,890 Linney,... StarsMark Hamill, Star Wars: Episode VI -Richard Action, Adventure, 116 8.3 116 1983 131 984,184 58 309.13 Harrison Ford, Carrie Return of the Jedi Marquand Fantasy StarsAlbert Brooks, Animation, Andrew Ellen DeGeneres, 249 49 100 982,038 8.1 90 380.84 Finding Nemo 2003 Adventure, Stanton Comedy Alex... StarsMatthew Animation, 45 45 981,118 8.5 88 422.78 The Lion King 1994 Broderick, Jeremy Roger Allers Adventure, Drama Irons, Jam... #Max Votes imdb movies['votes'].max() **'**986,858' **Data according Directors** In [126... # Know how many movies directed by same director imdb movies[imdb movies['moviedirector'] == "Francis Ford Coppola"] Out[126... index movie\_name rating matascore moviedirector StarsMarlon Brando, Al Pacino, Francis Ford The Godfather 175 Crime, Drama 1,699,671 100 134.97 James Caan... Coppola The Godfather: StarsAl Pacino, Robert De Niro, Francis Ford 202 Crime, Drama 1,180,480 57.30 Robert Du... Coppola StarsMartin Sheen, Marlon Francis Ford Drama, Mystery, Apocalypse Now 628,404 83.47 1979 Brando, Robert ... Coppola imdb movies[imdb movies['moviedirector'] == "Christopher Nolan"] index movie\_name year votes rating matascore stars moviedirector StarsChristian Bale, Heath Christopher Action, Crime, 3 The Dark Knight 2008 152 2,412,057 9.0 534.86 Ledger, Aaron ... Drama Nolan StarsLeonardo DiCaprio, Christopher Action, 10 Inception 2010 2,163,872 74 292.58 Adventure, Sci-Fi Joseph Gordon-Lev... Nolan Adventure, StarsMatthew McConaughey, Christopher 23 Interstellar 2014 1,608,386 74 188.02 Drama, Sci-Fi Anne Hathaway, ... Nolan StarsChristian Bale, Hugh Christopher Drama, Mystery, 38 The Prestige 2006 1,241,512 53.09 Jackman, Scarle... Nolan The Dark Knight StarsChristian Bale, Tom Christopher 2012 Action, Adventure 8.4 78 448.14 164 Rises Hardy, Anne Hath... Nolan StarsGuy Pearce, Carrie-Anne Christopher Memento 2000 113 Mystery, Thriller 1,166,633 25.54 Moss, Joe Pa... Nolan StarsChristian Bale, Michael Christopher Batman Begins 2005 140 Action, Adventure 1,357,044 70 206.85 Caine, Ken W... Nolan Different Genre in imdb movies #Genre in Movies imdb\_movies.genre.unique() ', 'Crime, Drama Out[128... array(['Drama 'Action, Crime, Drama 'Drama, War 'Action, Adventure, Drama 'Biography, Drama, History 'Action, Adventure, Sci-Fi 'Action, Biography, Drama 'Drama, Romance 'Western 'Action, Sci-Fi 'Biography, Crime, Drama 'Action, Adventure, Fantasy 'Comedy, Drama, Thriller 'Crime, Drama, Thriller 'Adventure, Drama, Sci-Fi 'Animation, Adventure, Family 'Crime, Drama, Fantasy 'Comedy, Drama, Romance 'Crime, Drama, Mystery 'Action, Drama, Mystery 'Drama, Family, Fantasy 'Action, Crime, Mystery 'Biography, Comedy, Drama 'Drama, Mystery, Sci-Fi 'Biography, Drama, Music 'Crime, Mystery, Thriller 'Animation, Adventure, Drama 'Animation, Drama, War 'Adventure, Comedy, Sci-Fi 'Horror, Mystery, Thriller 'Drama, Romance, War 'Mystery, Thriller 'Comedy, Drama, Family 'Animation, Drama, Fantasy 'Animation, Action, Adventure 'Animation, Adventure, Comedy 'Drama, Western 'Action, Adventure 'Comedy, Drama 'Drama, Family 'Drama, Mystery, Thriller 'Drama, Mystery, War 'Drama, Horror 'Horror, Sci-Fi 'Comedy 'Drama, Film-Noir ', 'Comedy, Drama, War 'Action, Drama, War 'Drama, Fantasy, Horror 'Adventure, Drama, War 'Drama, Romance, Sci-Fi 'Comedy, Romance 'Comedy, Crime 'Drama, Family, Sport 'Drama, Thriller, War 'Adventure, Drama, Thriller 'Comedy, Crime, Drama 'Crime, Drama, Sci-Fi 'Adventure, Sci-Fi 'Adventure, Biography, Drama 'Adventure, Mystery, Thriller 'Mystery, Romance, Thriller 'Comedy, Musical, Romance 'Crime, Drama, Film-Noir 'Drama, Mystery ', 'Drama, Sci-Fi 'Crime, Drama, Music
'Action, Drama', ', 'Animation, Drama 'Adventure, Comedy, Drama 'Biography, Drama, Sport 'Action, Biography, Crime 'Drama, Mystery, Romance 'Drama, Fantasy, War 'Action, Comedy, Crime ', 'Biography, Drama 'Animation, Family, Fantasy 'Action, Thriller 'Action, Adventure, Comedy 'Adventure, Comedy, Fantasy 'Drama, Musical ', 'Adventure, Drama, History 'Action, Drama, Thriller 'Comedy, Music, Romance 'Drama, Fantasy, History 'Crime, Thriller 'Adventure, Drama, Western 'Comedy, Romance, War 'Action, Comedy, Romance 'Drama, Romance, Thriller 'Action, Drama, Sci-Fi ', 'Drama, Thriller 'Comedy, Drama, Musical 'Comedy, Drama, Fantasy 'Adventure, Comedy, Crime 'Action, Drama, Sport ',
', 'Drama, Sport
', 'Adventure, Drama, Fantasy 'Biography, Drama, Family 'Animation, Comedy, Drama 'Animation, Action, Drama 'Drama, Musical, Sport 'Drama, Music, Romance 'Comedy, Crime, Romance 'Comedy, Crime, Sport 'Drama, History, Romance 'Adventure, Family, Fantasy 'Adventure, Drama 'Animation, Adventure, Fantasy 'Horror, Mystery, Sci-Fi 'Action, Sci-Fi, Thriller 'Drama, Fantasy 'Drama, Horror, Thriller 'Drama, History ', 'Crime, Drama, Horror 'Film-Noir, Mystery, Thriller 'Fantasy, Horror, Mystery 'Comedy, Drama, Music 'Action, Crime, Thriller 'Biography, Drama, Thriller 'Animation, Biography, Drama 'Action, Adventure, Mystery 'Crime, Drama, Romance 'Action, Adventure, Thriller 'Crime, Drama, Musical '], dtype=object) Data about Genre which got most rating imdb movies.groupby(['genre'])['rating'].value counts().sort values(ascending=False) Out[129... genre rating 8.1 Drama 8.2 8.3 Drama, Romance 8.1 Biography, Drama, History 8.1 Animation, Drama Fantasy Animation, Drama, 8.4 1 Animation, Drama, War 8.8 Name: rating, Length: 270, dtype: int64 imdb\_movies.groupby(['year','votes'])['rating'].count().head(10) year votes 1920 60,112 1 1921 119,746 1 1924 45,668 1 106,156 1925 1 86,524 1926 1927 166,348 1 49,372 1 1928 1 32,119 51,133 1 59,257 1930 1 dtype: int64 Name: rating, imdb\_movies index movie\_name time genre votes rating matascore stars moviedirector year gross StarsTim Robbins, Morgan Frank The Shawshank 0 0 142 Drama 2,456,339 9.3 80 28.34 Redemption Freeman, Bob Gun... Darabont StarsMarlon Brando, Al Francis Ford 1 1972 175 Crime, Drama 1,699,671 9.2 100 134.97 The Godfather Pacino, James Caan... Coppola StarsSuriya, Paresh Rawal, Sudha 2 2 Soorarai Pottru 2020 153 Drama 89,415 9.1 0 NaN Aparna Balamur... Kongara StarsChristian Bale, Heath Christopher Action, Crime, 3 3 The Dark Knight 2008 152 2,412,057 9.0 84 534.86 Ledger, Aaron ... Drama Nolan The Godfather: Part StarsAl Pacino, Robert De Francis Ford 4 1974 202 Crime, Drama 9.0 90 57.30 1,180,480 Niro, Robert Du... Coppola StarsNicole Kidman, Paul Dogville 395 195 2003 178 Crime, Drama 143,292 8.0 60 1.53 Lars von Trier Bettany, Lauren ... Yilmaz StarsYilmaz Erdogan, 396 196 Vizontele 2001 35,123 8.0 NaN 110 Comedy, Drama 0 Demet Akbag, Altan E... Erdogan StarsJake Gyllenhaal, Jena Drama, Mystery, 397 197 Donnie Darko 2001 113 762,527 8.0 88 1.48 Richard Kelly Malone, Mary M... Sci-Fi StarsTom Cruise, Jason **Paul Thomas** 398 198 Magnolia 1999 188 299,126 77 22.46 8.0 Drama Anderson Robards, Julianne ... Crime, Drama, StarsBjörk, Catherine 399 199 Dancer in the Dark 2000 140 105,747 8.0 61 4.18 Lars von Trier Musical Deneuve, David Mors... 400 rows × 11 columns Stars in most of movies imdb movies['stars']=imdb movies['stars'].str.strip('[]').str.replace("'",'') imdb movies['stars']=imdb movies['stars'].str.split(',') plt.subplots(figsize=(20,15)) for i in imdb movies['stars']: list1.extend(i) ax = pd.Series(list1).value counts()[:30].sort values(ascending=True).plot.barh(width=0.9,color=sns.color palet for i, v in enumerate(pd.Series(list1).value counts()[:30].sort values(ascending=True).values): ax.text(.8, i, v,fontsize=12,color='white',weight='bold') ax.patches[18].set facecolor('r') plt.title('Top Cast') plt.show() StarsToshirô Mifune StarsAamir Khar StarsLeonardo DiCaprio StarsCharles Chaplin StarsRobert De Niro Starsjames Stewart Orlando Bloom Tabu StarsChristian Bale StarsShah Rukh Khar StarsClint Eastwood StarsKevin Spacey Gunnar Björnstrand Harrison Ford Carrie Fisher Michael Madsen Michael Caine Mark Ruffalo Rana Daggubati Robert Duvall Jack Hawkins Chris Hemsworth StarsHenry Fonda Brad Pitt Tatsuya Nakadai Amitabh Bachchan imdb movies stars moviedirector index movie\_name year time genre votes rating matascore gross [ StarsTim Robbins, The Shawshank Frank 0 0 1994 Drama 2,456,339 142 9.3 80 28.34 Darabont Redemption Morgan Freeman, Bob ... [ StarsMarlon Brando, Al Francis Ford The Godfather 1972 175 Crime, Drama 1,699,671 9.2 100 134.97 Coppola Pacino, James C... [ StarsSuriya, Paresh Rawal, Sudha 2 Soorarai Pottru 89,415 2 2020 153 Drama 9.1 0 NaN Aparna Bala... Kongara Action, Crime, [ StarsChristian Bale, Heath Christopher 2,412,057 2008 534.86 3 3 The Dark Knight 152 9.0 Drama Ledger, Aar... Nolan Francis Ford [ StarsAl Pacino, Robert De 57.30 4 The Godfather: Part II 1,180,480 9.0 90 4 1974 202 Crime, Drama Niro, Robert... Coppola [ StarsNicole Kidman, Paul Dogville Lars von Trier 395 195 2003 178 Crime, Drama 143,292 8.0 60 1.53 Bettany, Laur... [ StarsYilmaz Erdogan, Yilmaz Vizontele 2001 Comedy, Drama 396 196 110 35,123 8.0 0 NaN Demet Akbag, Alta... Erdogan Drama, Mystery, [ StarsJake Gyllenhaal, Jena 2001 88 1.48 397 197 Donnie Darko 762,527 8.0 Richard Kelly Sci-Fi Malone, Mar... [ StarsTom Cruise, Jason **Paul Thomas** 198 Drama 398 Magnolia 1999 188 299,126 8.0 22.46 Robards, Julian... Anderson Crime, Drama, [ StarsBjörk, Catherine 399 199 Dancer in the Dark 2000 140 105,747 8.0 61 4.18 Lars von Trier Musical Deneuve, David M... 400 rows × 11 columns imdb movies stars moviedirector index movie\_name year time genre votes rating matascore gross [ StarsTim Robbins, Morgan Frank The Shawshank 0 1994 0 142 Drama 28.34 9.3 80 28.34 Redemption Freeman, Bob ... Darabont [ StarsMarlon Brando, Al Francis Ford The Godfather 1972 175 134.97 134.97 Crime, Drama 9.2 100 Pacino, James C... Coppola [ StarsSuriya, Paresh Rawal, Sudha 2 2 Soorarai Pottru 2020 0 NaN 153 Drama NaN 9.1 Aparna Bala... Kongara [ StarsChristian Bale, Heath Christopher Action, Crime, 534.86 534.86 3 The Dark Knight 2008 152 3 9.0 Drama Ledger, Aar... Nolan [ StarsAl Pacino, Robert De Francis Ford 4 The Godfather: Part II 1974 202 Crime, Drama 57.30 90 57.30 9.0 Niro, Robert... Coppola [ StarsNicole Kidman, Paul Crime, Drama 1.53 395 195 Dogville 2003 178 1.53 8.0 60 Lars von Trier Bettany, Laur... [ StarsYilmaz Erdogan, Yilmaz Vizontele 2001 196 396 110 Comedy, Drama NaN 8.0 0 NaN Demet Akbag, Alta... Erdogan [ StarsJake Gyllenhaal, Jena Drama, Mystery, 197 Donnie Darko 2001 113 1.48 88 1.48 Richard Kelly 397 8.0 Sci-Fi Malone, Mar... [ StarsTom Cruise, Jason **Paul Thomas** 398 198 Magnolia 1999 188 Drama 22.46 8.0 77 22.46 Robards, Julian... Anderson [ StarsBjörk, Catherine Crime, Drama, 199 Dancer in the Dark 2000 140 4.18 8.0 61 4.18 399 Lars von Trier Deneuve, David M... Musical 400 rows × 11 columns