

```
In [86]: tup = 1, 2, 3
```

```
In [87]: print(type(tup))

<class 'tuple'>
```

```
In [142]: import pandas as pd
```

```
In [143]: df = pd.read_csv(r"C:\Users\kajal\Downloads\movie_data\movies.csv")
```

```
In [144]: df
```

Out[144]:

movieId		title	genres
0	1	Toy Story (1995)	Adventure Animation Children Comedy Fantasy
1	2	Jumanji (1995)	Adventure Children Fantasy
2	3	Grumpier Old Men (1995)	Comedy Romance
3	4	Waiting to Exhale (1995)	Comedy Drama Romance
4	5	Father of the Bride Part II (1995)	Comedy
...	...	...	...
9737	193581	Black Butler: Book of the Atlantic (2017)	Action Animation Comedy Fantasy
9738	193583	No Game No Life: Zero (2017)	Animation Comedy Fantasy
9739	193585	Flint (2017)	Drama
9740	193587	Bungo Stray Dogs: Dead Apple (2018)	Action Animation
9741	193609	Andrew Dice Clay: Dice Rules (1991)	Comedy

9742 rows × 3 columns

```
In [145]: df1 = pd.read_csv(r"C:\Users\kajal\Downloads\movie_data\ratings.csv")
```

```
In [146]: df1
```

Out[146]:

	userId	movieId	rating	timestamp
0	1	1	4.0	964982703
1	1	3	4.0	964981247
2	1	6	4.0	964982224
3	1	47	5.0	964983815
4	1	50	5.0	964982931
...	...	...	...	...
100831	610	166534	4.0	1493848402
100832	610	168248	5.0	1493850091
100833	610	168250	5.0	1494273047
100834	610	168252	5.0	1493846352
100835	610	170875	3.0	1493846415

100836 rows × 4 columns

```
In [147]: df1['userId'].nunique()
```

```
Out[147]: 610
```

```
In [148]: df1['movieId'].nunique()
```

```
Out[148]: 9724
```

```
In [149]: df1['movieId'].max()
```

```
Out[149]: 193609
```

```
In [150]: merged_df = pd.merge(df, df1, on='movieId', how='inner')
```

```
In [151]: merged_df
```

Out[151]:

movieId			title		genres	userId	rating	timestamp
0	1		Toy Story (1995)	Adventure Animation Children Comedy Fantasy		1	4.0	964982703
1	1		Toy Story (1995)	Adventure Animation Children Comedy Fantasy		5	4.0	847434962
2	1		Toy Story (1995)	Adventure Animation Children Comedy Fantasy		7	4.5	1106635946
3	1		Toy Story (1995)	Adventure Animation Children Comedy Fantasy		15	2.5	1510577970
4	1		Toy Story (1995)	Adventure Animation Children Comedy Fantasy		17	4.5	1305696483
...	...		...		...	...	...	...
100831	193581	Black Butler: Book of the Atlantic (2017)		Action Animation Comedy Fantasy		184	4.0	1537109082
100832	193583	No Game No Life: Zero (2017)		Animation Comedy Fantasy		184	3.5	1537109545
100833	193585	Flint (2017)		Drama		184	3.5	1537109805
100834	193587	Bungo Stray Dogs: Dead Apple (2018)		Action Animation		184	3.5	1537110021
100835	193609	Andrew Dice Clay: Dice Rules (1991)		Comedy		331	4.0	1537157606

100836 rows × 6 columns

In [152...

most\_frequent\_value = merged\_df['title'].mode()

In [153...

most\_frequent\_value

Out[153]:

0 Forrest Gump (1994)  
Name: title, dtype: object

In [155...

df2 = pd.read\_csv(r"C:\Users\kajal\Downloads\movie\_data\tags.csv")

In [156...

df2

Out[156]:

userId			movieId	tag	timestamp
0	2	60756		funny	1445714994
1	2	60756		Highly quotable	1445714996
2	2	60756		will ferrell	1445714992
3	2	89774		Boxing story	1445715207
4	2	89774		MMA	1445715200
...	...	...		...	...
3678	606	7382		for katie	1171234019
3679	606	7936		austere	1173392334
3680	610	3265		gun fu	1493843984
3681	610	3265		heroic bloodshed	1493843978
3682	610	168248		Heroic Bloodshed	1493844270

3683 rows × 4 columns

In [157...

df\_final = pd.merge(merged\_df,df2, on='movieId', how='inner')

In [158...

df\_final

Out[158]:

	movieId	title	genres	userId_x	rating	timestamp_x	userId_y	tag	timestamp_y
0	1	Toy Story (1995)	Adventure Animation Children Comedy Fantasy	1	4.0	964982703	336	pixar	1139045764
1	1	Toy Story (1995)	Adventure Animation Children Comedy Fantasy	1	4.0	964982703	474	pixar	1137206825
2	1	Toy Story (1995)	Adventure Animation Children Comedy Fantasy	1	4.0	964982703	567	fun	1525286013
3	1	Toy Story (1995)	Adventure Animation Children Comedy Fantasy	5	4.0	847434962	336	pixar	1139045764
4	1	Toy Story (1995)	Adventure Animation Children Comedy Fantasy	5	4.0	847434962	474	pixar	1137206825
...	...	...	...	...	...	...	...	...	...
233208	187595	Solo: A Star Wars Story (2018)	Action Adventure Children Sci-Fi	586	5.0	1529899556	62	star wars	1528934552
233209	193565	Gintama: The Movie (2010)	Action Animation Comedy Sci-Fi	184	3.5	1537098554	184	anime	1537098582
233210	193565	Gintama: The Movie (2010)	Action Animation Comedy Sci-Fi	184	3.5	1537098554	184	comedy	1537098587
233211	193565	Gintama: The Movie (2010)	Action Animation Comedy Sci-Fi	184	3.5	1537098554	184	gintama	1537098603
233212	193565	Gintama: The Movie (2010)	Action Animation Comedy Sci-Fi	184	3.5	1537098554	184	remaster	1537098592

233213 rows × 9 columns

In [160...

filtered\_df = df\_final[df\_final['title'] == "Matrix, The (1999)"]

In [161...

filtered\_df

Out[161]:

	movieId	title	genres	userId_x	rating	timestamp_x	userId_y	tag	timestamp_y
142140	2571	Matrix, The (1999)	Action Sci-Fi Thriller	1	5.0	964981888	424	martial arts	1457842912
142141	2571	Matrix, The (1999)	Action Sci-Fi Thriller	1	5.0	964981888	424	sci-fi	1457842899
142142	2571	Matrix, The (1999)	Action Sci-Fi Thriller	1	5.0	964981888	474	alternate universe	1137204991
142143	2571	Matrix, The (1999)	Action Sci-Fi Thriller	1	5.0	964981888	537	philosophy	1424141098
142144	2571	Matrix, The (1999)	Action Sci-Fi Thriller	1	5.0	964981888	537	post apocalyptic	1424141101
...	...	...	...	...	...	...	...	...	...
143525	2571	Matrix, The (1999)	Action Sci-Fi Thriller	610	5.0	1479545822	424	martial arts	1457842912
143526	2571	Matrix, The (1999)	Action Sci-Fi Thriller	610	5.0	1479545822	424	sci-fi	1457842899
143527	2571	Matrix, The (1999)	Action Sci-Fi Thriller	610	5.0	1479545822	474	alternate universe	1137204991
143528	2571	Matrix, The (1999)	Action Sci-Fi Thriller	610	5.0	1479545822	537	philosophy	1424141098
143529	2571	Matrix, The (1999)	Action Sci-Fi Thriller	610	5.0	1479545822	537	post apocalyptic	1424141101

1390 rows × 9 columns

In [162...

filtered\_df["tag"].unique()

Out[162]:

array(['martial arts', 'sci-fi', 'alternate universe', 'philosophy', 'post apocalyptic'], dtype=object)

In [163...

filtered\_df1 = df\_final[df\_final['title'] == "Terminator 2: Judgment Day (1991)"]

In [164...

filtered\_df1

Out[164]:

movieid			title	genres	userId_x	rating	timestamp_x	userId_y		tag	timestamp_y
93035	589	Terminator 2: Judgment Day (1991)	Action Sci-Fi	5	3.0	847435258	424			apocalypse	1457844854
93036	589	Terminator 2: Judgment Day (1991)	Action Sci-Fi	5	3.0	847435258	424		Arnold Schwarzenegger		1457844841
93037	589	Terminator 2: Judgment Day (1991)	Action Sci-Fi	5	3.0	847435258	424			nuclear war	1457844861
93038	589	Terminator 2: Judgment Day (1991)	Action Sci-Fi	5	3.0	847435258	424			sci-fi	1457844847
93039	589	Terminator 2: Judgment Day (1991)	Action Sci-Fi	5	3.0	847435258	424			Suspense	1457844864
...	...	...	...	...	...	...	...	...	...	...	...
94822	589	Terminator 2: Judgment Day (1991)	Action Sci-Fi	610	5.0	1479542983	424			sci-fi	1457844847
94823	589	Terminator 2: Judgment Day (1991)	Action Sci-Fi	610	5.0	1479542983	424			Suspense	1457844864
94824	589	Terminator 2: Judgment Day (1991)	Action Sci-Fi	610	5.0	1479542983	424			time travel	1457844843
94825	589	Terminator 2: Judgment Day (1991)	Action Sci-Fi	610	5.0	1479542983	474			robots	1137206517
94826	589	Terminator 2: Judgment Day (1991)	Action Sci-Fi	610	5.0	1479542983	477			Scifi masterpiece	1201166474

1792 rows × 9 columns

In [165..

filtered\_df1["rating"].mean()

Out[165]:

3.970982142857143

In [167..

filtered\_df2 = df\_final[df\_final['title'] == "Fight Club (1999)"]

In [168..

filtered\_df2

Out[168]:

movieid			title	genres	userId_x	rating	timestamp_x	userId_y	tag	timestamp_y
148882	2959	Fight Club (1999)	Action Crime Drama Thriller		1	5.0	964983282	424	dark comedy	1457842797
148883	2959	Fight Club (1999)	Action Crime Drama Thriller		1	5.0	964983282	424	psychology	1457842802
148884	2959	Fight Club (1999)	Action Crime Drama Thriller		1	5.0	964983282	424	thought-provoking	1457842786
148885	2959	Fight Club (1999)	Action Crime Drama Thriller		1	5.0	964983282	424	twist ending	1457842777
148886	2959	Fight Club (1999)	Action Crime Drama Thriller		1	5.0	964983282	435	dark comedy	1366676088
...	...	...	...	...	...	...	...	...	...	...
160649	2959	Fight Club (1999)	Action Crime Drama Thriller		610	5.0	1479541966	599	thought-provoking	1498456901
160650	2959	Fight Club (1999)	Action Crime Drama Thriller		610	5.0	1479541966	599	twist	1498456943
160651	2959	Fight Club (1999)	Action Crime Drama Thriller		610	5.0	1479541966	599	twist ending	1498456888
160652	2959	Fight Club (1999)	Action Crime Drama Thriller		610	5.0	1479541966	599	violence	1498456904
160653	2959	Fight Club (1999)	Action Crime Drama Thriller		610	5.0	1479541966	599	violent	1498456914

11772 rows × 9 columns

In [170..

import matplotlib.pyplot as plt  
import seaborn as sns

In [171..

skewness = filtered\_df2['rating'].skew()

In [113..

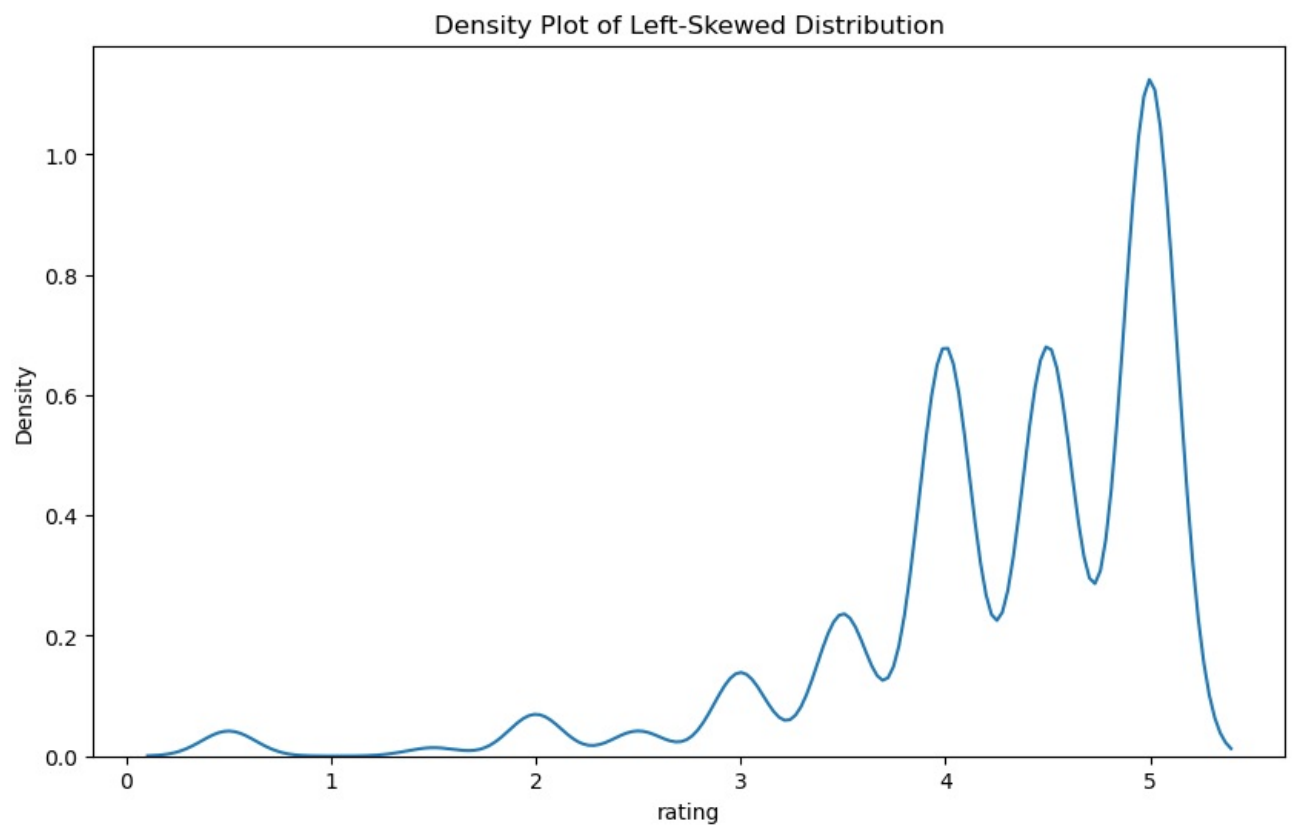
skewness

Out[113]:

-1.8477291838682013

In [172..

plt.figure(figsize=(10, 6))  
sns.kdeplot(filtered\_df2['rating'])  
plt.title('Density Plot of Left-Skewed Distribution')  
plt.xlabel('rating')  
plt.ylabel('Density')  
plt.show()



```
In [237]: grouped = df_final.groupby('movieId')['rating'].agg(["count","mean"])
grouped
```

```
Out[237]:
```

	count	mean
movieId		
1	645	3.920930
2	440	3.431818
3	104	3.259615
5	98	3.071429
7	54	3.185185
...	...	...
183611	3	4.000000
184471	12	2.500000
187593	36	3.875000
187595	10	3.900000
193565	4	3.500000

1554 rows × 2 columns

```
In [180]: merged_df = pd.merge(df, grouped, on='movieId', how='inner')
```

```
In [181]: merged_df
```

Out[181]:

movieid			title	genres	count	mean
0	1		Toy Story (1995)	Adventure Animation Children Comedy Fantasy	645	3.920930
1	2		Jumanji (1995)	Adventure Children Fantasy	440	3.431818
2	3		Grumpier Old Men (1995)	Comedy Romance	104	3.259615
3	5		Father of the Bride Part II (1995)	Comedy	98	3.071429
4	7		Sabrina (1995)	Comedy Romance	54	3.185185
...	...		...	...	...	...
1549	183611		Game Night (2018)	Action Comedy Crime Horror	3	4.000000
1550	184471		Tomb Raider (2018)	Action Adventure Fantasy	12	2.500000
1551	187593		Deadpool 2 (2018)	Action Comedy Sci-Fi	36	3.875000
1552	187595		Solo: A Star Wars Story (2018)	Action Adventure Children Sci-Fi	10	3.900000
1553	193565		Gintama: The Movie (2010)	Action Animation Comedy Sci-Fi	4	3.500000

1554 rows × 5 columns

In [182...

```
filtered_50 = (merged_df['count'] > 50).value_counts()
filtered_50
```

Out[182]:

```
count
False    1074
True       480
Name: count, dtype: int64
```

In [192...

```
filtered_50_new = merged_df[merged_df['count'] > 50]
filtered_50_new
```

Out[192]:

movieid			title	genres	count	mean
0	1		Toy Story (1995)	Adventure Animation Children Comedy Fantasy	645	3.920930
1	2		Jumanji (1995)	Adventure Children Fantasy	440	3.431818
2	3		Grumpier Old Men (1995)	Comedy Romance	104	3.259615
3	5		Father of the Bride Part II (1995)	Comedy	98	3.071429
4	7		Sabrina (1995)	Comedy Romance	54	3.185185
...	...		...	...	...	...
1525	148626		Big Short, The (2015)	Drama	78	3.961538
1536	164179		Arrival (2016)	Sci-Fi	182	3.980769
1539	168248		John Wick: Chapter Two (2017)	Action Crime Thriller	56	4.142857
1540	168252		Logan (2017)	Action Sci-Fi	125	4.280000
1544	176371		Blade Runner 2049 (2017)	Sci-Fi	144	3.805556

480 rows × 5 columns

In [ ]:

In [195...

```
filtered_50_new[filtered_50_new['mean'] == filtered_50_new["mean"].max() ]
```

Out[195]:

movieid			title	genres	count	mean
83	318		Shawshank Redemption, The (1994)	Crime Drama	1268	4.429022

In [220...

```
top_5_nlargest = filtered_50_new.nlargest(5, 'count')
top_5_nlargest
```

Out[220]:

movieid			title	genres	count	mean
77	296		Pulp Fiction (1994)	Comedy Crime Drama Thriller	55567	4.197068
637	2959		Fight Club (1999)	Action Crime Drama Thriller	11772	4.272936
65	260		Star Wars: Episode IV - A New Hope (1977)	Action Adventure Sci-Fi	6526	4.231076
76	293		Léon: The Professional (a.k.a. The Professiona...	Action Crime Drama Thriller	4655	4.018797
206	924		2001: A Space Odyssey (1968)	Adventure Drama Sci-Fi	4469	3.894495

In [ ]:

In [240...

```
sci-fi_df = filtered_50_new[filtered_50_new['genres'].str.contains ("Sci-Fi")]
sci-fi_df
```

Out[240]:

	movielfid	title	genres	count	mean
16	32	Twelve Monkeys (a.k.a. 12 Monkeys) (1995)	Mystery Sci-Fi Thriller	1770	3.983051
44	160	Congo (1995)	Action Adventure Mystery Sci-Fi	57	2.877193
65	260	Star Wars: Episode IV - A New Hope (1977)	Action Adventure Sci-Fi	6526	4.231076
81	316	Stargate (1994)	Action Adventure Sci-Fi	140	3.375000
85	329	Star Trek: Generations (1994)	Adventure Drama Sci-Fi	108	3.393519
...	...	...	...	...	...
1516	135536	Suicide Squad (2016)	Action Crime Sci-Fi	228	2.916667
1517	136864	Batman v Superman: Dawn of Justice (2016)	Action Adventure Fantasy Sci-Fi	144	2.343750
1536	164179	Arrival (2016)	Sci-Fi	182	3.980769
1540	168252	Logan (2017)	Action Sci-Fi	125	4.280000
1544	176371	Blade Runner 2049 (2017)	Sci-Fi	144	3.805556

93 rows × 5 columns

In [247...

```
top_3_nlargest = sci-fi_df.nlargest(10, 'count')
top_3_nlargest
```

Out[247]:

	movielfid	title	genres	count	mean
65	260	Star Wars: Episode IV - A New Hope (1977)	Action Adventure Sci-Fi	6526	4.231076
206	924	2001: A Space Odyssey (1968)	Adventure Drama Sci-Fi	4469	3.894495
1140	7361	Eternal Sunshine of the Spotless Mind (2004)	Drama Romance Sci-Fi	4454	4.160305
1423	79132	Inception (2010)	Action Crime Drama Mystery Sci-Fi Thriller IMAX	3718	4.066434
859	4878	Donnie Darko (2001)	Drama Mystery Sci-Fi Thriller	3161	3.981651
287	1196	Star Wars: Episode V - The Empire Strikes Back...	Action Adventure Sci-Fi	2110	4.215640
143	589	Terminator 2: Judgment Day (1991)	Action Sci-Fi	1792	3.970982
16	32	Twelve Monkeys (a.k.a. 12 Monkeys) (1995)	Mystery Sci-Fi Thriller	1770	3.983051
1420	72998	Avatar (2009)	Action Adventure Sci-Fi IMAX	1746	3.603093
134	541	Blade Runner (1982)	Action Sci-Fi Thriller	1612	4.100806

In [245...

```
top_3_nsmall = sci-fi_df.nsmallest(5, 'count')
top_3_nsmall
```

Out[245]:

	movielfid	title	genres	count	mean
160	673	Space Jam (1996)	Adventure Animation Children Comedy Fantasy Sci-Fi	53	2.707547
812	4343	Evolution (2001)	Comedy Sci-Fi	54	3.037037
1443	91500	The Hunger Games (2012)	Action Adventure Drama Sci-Fi Thriller	54	3.435185
572	2529	Planet of the Apes (1968)	Action Drama Sci-Fi	56	3.803571
44	160	Congo (1995)	Action Adventure Mystery Sci-Fi	57	2.877193

In [246...

```
sci-fi_df.sort_values(by=['count', 'mean'], ascending=[True, True])
```

Out[246]:

	movielfid	title	genres	count	mean
160	673	Space Jam (1996)	Adventure Animation Children Comedy Fantasy Sci-Fi	53	2.707547
812	4343	Evolution (2001)	Comedy Sci-Fi	54	3.037037
1443	91500	The Hunger Games (2012)	Action Adventure Drama Sci-Fi Thriller	54	3.435185
572	2529	Planet of the Apes (1968)	Action Drama Sci-Fi	56	3.803571
44	160	Congo (1995)	Action Adventure Mystery Sci-Fi	57	2.877193
...	...	...	...	...	...
859	4878	Donnie Darko (2001)	Drama Mystery Sci-Fi Thriller	3161	3.981651
1423	79132	Inception (2010)	Action Crime Drama Mystery Sci-Fi Thriller IMAX	3718	4.066434
1140	7361	Eternal Sunshine of the Spotless Mind (2004)	Drama Romance Sci-Fi	4454	4.160305
206	924	2001: A Space Odyssey (1968)	Adventure Drama Sci-Fi	4469	3.894495
65	260	Star Wars: Episode IV - A New Hope (1977)	Action Adventure Sci-Fi	6526	4.231076

93 rows × 5 columns

In [253...

```
sci-fi_df[sci-fi_df['title'] == "Terminator 2: Judgment Day (1991)"]
```

Out[253]:

movielfid		title	genres	count	mean
143	589	Terminator 2: Judgment Day (1991)	Action Sci-Fi	1792	3.970982

In [255..

```
sci-fi_df[sci-fi_df['title'] == "X-Men: The Last Stand (2006)"]
```

Out[255]:

movielfid		title	genres	count	mean
1345	45499	X-Men: The Last Stand (2006)	Action Sci-Fi Thriller	104	3.355769

In [256..

```
sci-fi_df[sci-fi_df['title'] == "Jurassic Park (1993)"]
```

Out[256]:

movielfid		title	genres	count	mean
116	480	Jurassic Park (1993)	Action Adventure Sci-Fi Thriller	238	3.75

In [257..

```
df4 = pd.read_csv(r"C:\Users\kajal\Downloads\movie_data\links.csv")
```

In [258..

```
df4
```

Out[258]:

	movielfid	imdbid	tmbld
0	1	114709	862.0
1	2	113497	8844.0
2	3	113228	15602.0
3	4	114885	31357.0
4	5	113041	11862.0
...	...	...	...
9737	193581	5476944	432131.0
9738	193583	5914996	445030.0
9739	193585	6397426	479308.0
9740	193587	8391976	483455.0
9741	193609	101726	37891.0

9742 rows × 3 columns

In [259..

```
df_newfinal = pd.merge(df4, filtered_50_new, on='movieId', how='inner')
```

In [260..

```
df_newfinal
```

Out[260]:

	movielfid	imdbid	tmbld	title	genres	count	mean
0	1	114709	862.0	Toy Story (1995)	Adventure Animation Children Comedy Fantasy	645	3.920930
1	2	113497	8844.0	Jumanji (1995)	Adventure Children Fantasy	440	3.431818
2	3	113228	15602.0	Grumpier Old Men (1995)	Comedy Romance	104	3.259615
3	5	113041	11862.0	Father of the Bride Part II (1995)	Comedy	98	3.071429
4	7	114319	11860.0	Sabrina (1995)	Comedy Romance	54	3.185185
...	...	...	...	...	...	...	...
475	148626	1596363	318846.0	Big Short, The (2015)	Drama	78	3.961538
476	164179	2543164	329865.0	Arrival (2016)	Sci-Fi	182	3.980769
477	168248	4425200	324552.0	John Wick: Chapter Two (2017)	Action Crime Thriller	56	4.142857
478	168252	3315342	263115.0	Logan (2017)	Action Sci-Fi	125	4.280000
479	176371	1856101	335984.0	Blade Runner 2049 (2017)	Sci-Fi	144	3.805556

480 rows × 7 columns

In [263..

```
df_newfinal['imdbId'].max()
```

Out[263]:

```
4425200
```

In [264..

```
df_newfinal[df_newfinal['imdbId'] == 4425200]
```

Out[264]:

	movielfid	imdbid	tmbld	title	genres	count	mean
477	168248	4425200	324552.0	John Wick: Chapter Two (2017)	Action Crime Thriller	56	4.142857

In [265..

```
sci-fi_imdb = df_newfinal[df_newfinal['genres'].str.contains ("Sci-Fi")]
sci-fi_imdb
```



Out[265]:

	movielfld	imdbld	tmdbld	title	genres	count	mean
11	32	114746	63.0	Twelve Monkeys (a.k.a. 12 Monkeys) (1995)	Mystery Sci-Fi Thriller	1770	3.983051
26	160	112715	10329.0	Congo (1995)	Action Adventure Mystery Sci-Fi	57	2.877193
35	260	76759	11.0	Star Wars: Episode IV - A New Hope (1977)	Action Adventure Sci-Fi	6526	4.231076
43	316	111282	2164.0	Stargate (1994)	Action Adventure Sci-Fi	140	3.375000
46	329	111280	193.0	Star Trek: Generations (1994)	Adventure Drama Sci-Fi	108	3.393519
...	...	...	...	...	...	...	...
472	135536	1386697	297761.0	Suicide Squad (2016)	Action Crime Sci-Fi	228	2.916667
473	136864	2975590	209112.0	Batman v Superman: Dawn of Justice (2016)	Action Adventure Fantasy Sci-Fi	144	2.343750
476	164179	2543164	329865.0	Arrival (2016)	Sci-Fi	182	3.980769
478	168252	3315342	263115.0	Logan (2017)	Action Sci-Fi	125	4.280000
479	176371	1856101	335984.0	Blade Runner 2049 (2017)	Sci-Fi	144	3.805556

93 rows × 7 columns

In [266...

```
sci-fi_imdb[sci-fi_imdb['imdbId'] == sci-fi_imdb['imdbId'].max() ]
```

Out[266]:

	movielfld	imdbld	tmdbld	title	genres	count	mean
468	122912	4154756	299536.0	Avengers: Infinity War - Part I (2018)	Action Adventure Sci-Fi	195	4.0

In [ ]:

In [297...

```
from bs4 import BeautifulSoup
import requests
```

URL = "https://www.imdb.com/chart/top/" page = requests.get(URL) page

In [312...

```
import requests
from bs4 import BeautifulSoup
import numpy as np

def scrapper(imdbId):
    id = str(int(imdbId))
    n_zeroes = 7 - len(id)
    new_id = "0"*n_zeroes + id
    URL = "https://www.imdb.com/list/ls053181721/"
    request_header = {'Content-Type': 'text/html; charset=UTF-8',
                      'User-Agent': 'Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:109.0) Gecko/20100101 Firefox',
                      'Accept-Encoding': 'gzip, deflate, br'}
    response = requests.get(URL, headers=request_header)
    soup = BeautifulSoup(response.text, 'html.parser')
    imdb_rating = soup.find('span', class_ = "sc-b189961a-0 iqHBGn")
    return imdb_rating.text if imdb_rating else np.nan
```

In [292...

In [ ]:

In [ ]:

In [313...

```
scrapper(122912)
```

Out[313]:

```
nan
```

In [ ]: