

Data Analysis Report

There are 610 unique users and 9742 unique movies with 100836 ratings. The ratings range between 0.5 and 5.

Some of the factors affecting number of movies watched

1. Vote count and `#time_a_movies_was_watched` have 0.6 correlation.
2. The top 5 genres by number of movies watched are Drama, Comedy, Action, Thriller, Adventure.

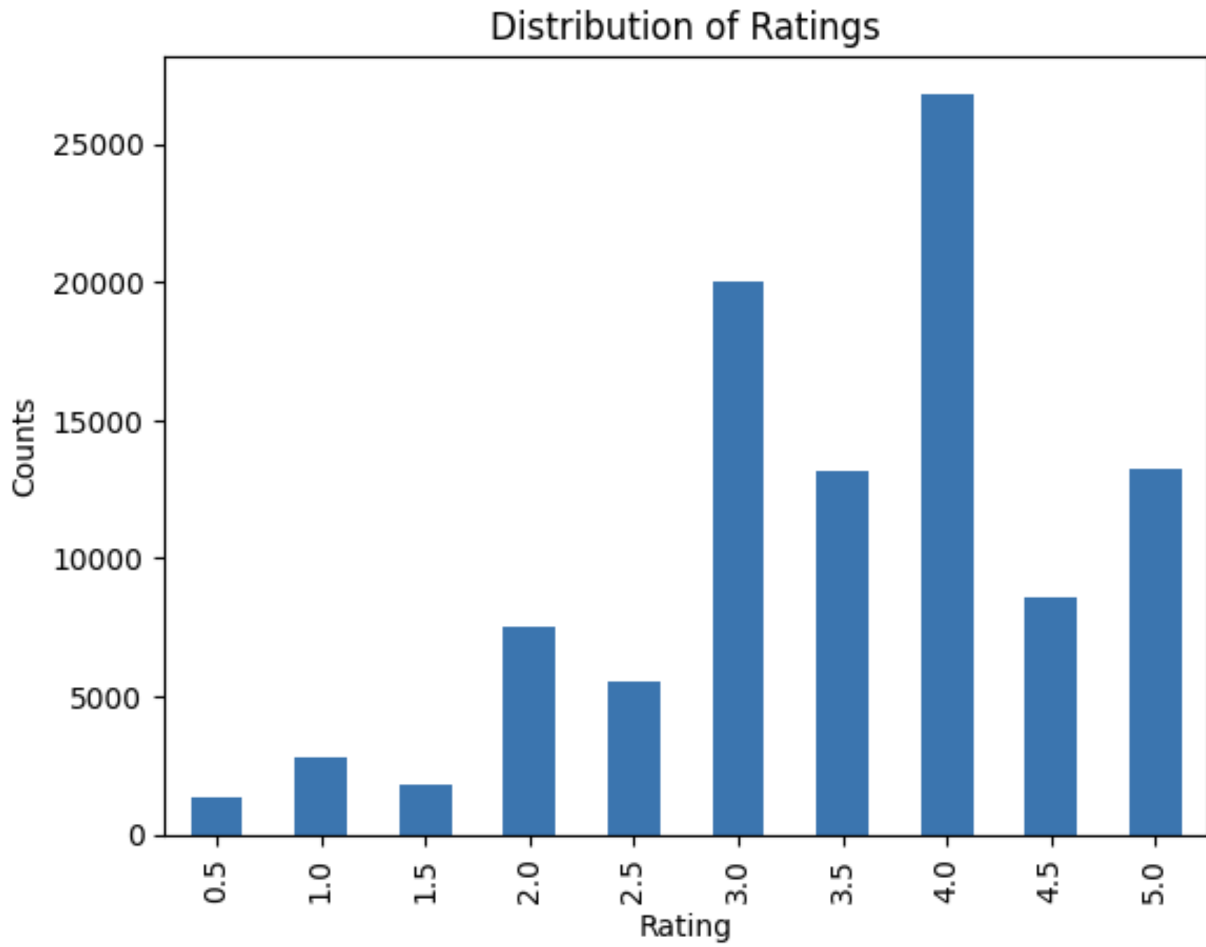
	genres	number_of_movies_watched
0	Drama	41776
1	Comedy	38988
2	Action	30532
3	Thriller	26372
4	Adventure	24068
5	Romance	18102
6	Sci-Fi	17109
7	Crime	16631
8	Fantasy	11767
9	Children	9203
10	Mystery	7637
11	Horror	7252
12	Animation	6953
13	War	4821
14	IMAX	4137
15	Musical	4111
16	Western	1928
17	Documentary	1186
18	Film-Noir	870

- The top 5 cast members with most movies watched are Tom Hanks, Harrison Ford, Bruce Willis, Brad Pitt, Robert De Niro. However these are more season actors as well with large many movies under the belt.

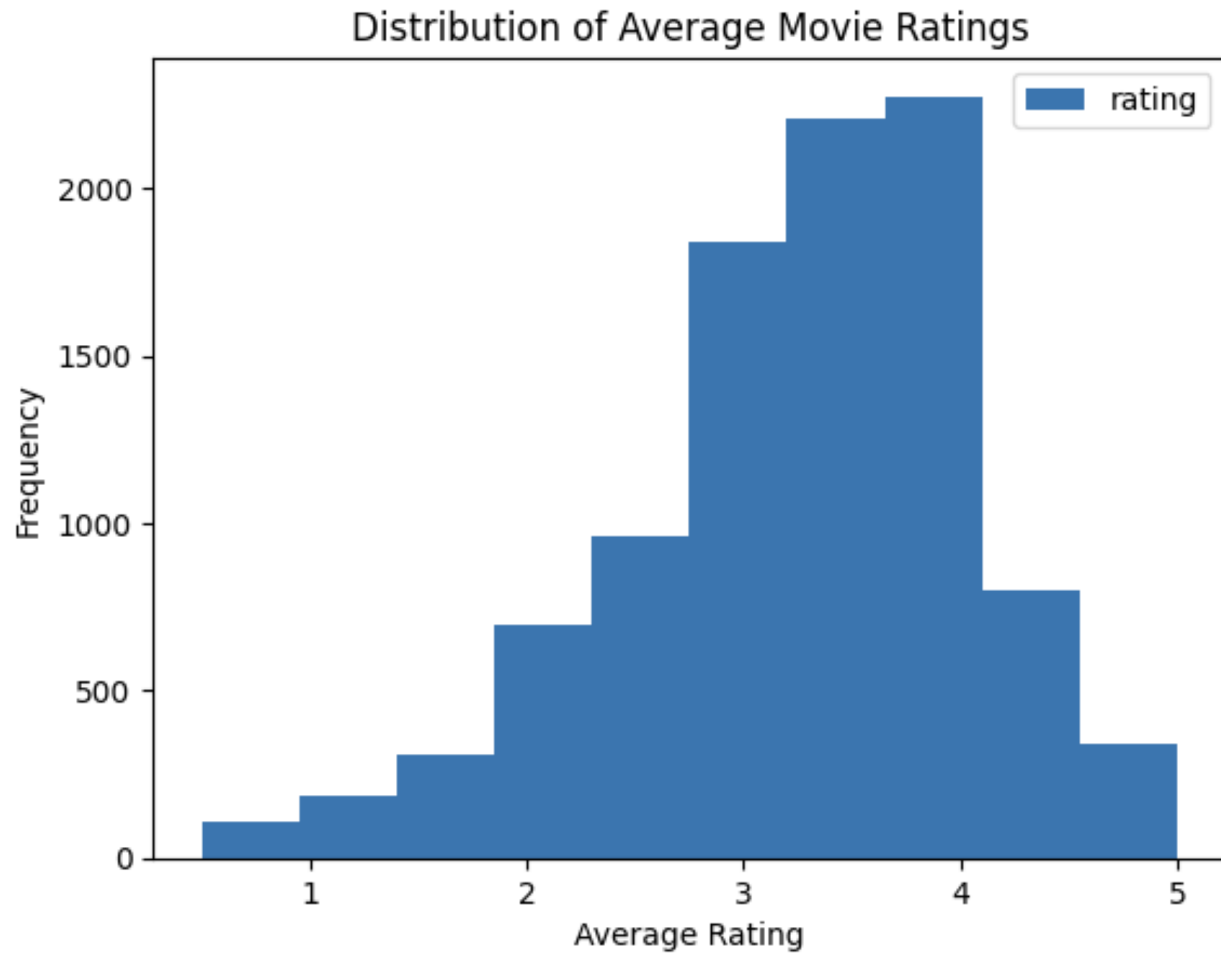
	cast	number_of_movies_watched
0	Tom Hanks	2227
1	Harrison Ford	1985
2	Bruce Willis	1890
3	Brad Pitt	1666
4	Robert De Niro	1542
5	Tom Cruise	1527
6	Matt Damon	1401
7	Jim Carrey	1397
8	Morgan Freeman	1324
9	Samuel L. Jackson	1272
10	Johnny Depp	1247
11	Mel Gibson	1203
12	Robin Williams	1203
13	Leonardo DiCaprio	1146
14	Keanu Reeves	1136
15	Arnold Schwarzenegger	1123
16	Ian McKellen	1063
17	Jack Nicholson	1063
18	Kevin Spacey	1051
19	Tommy Lee Jones	1018

Some other observations

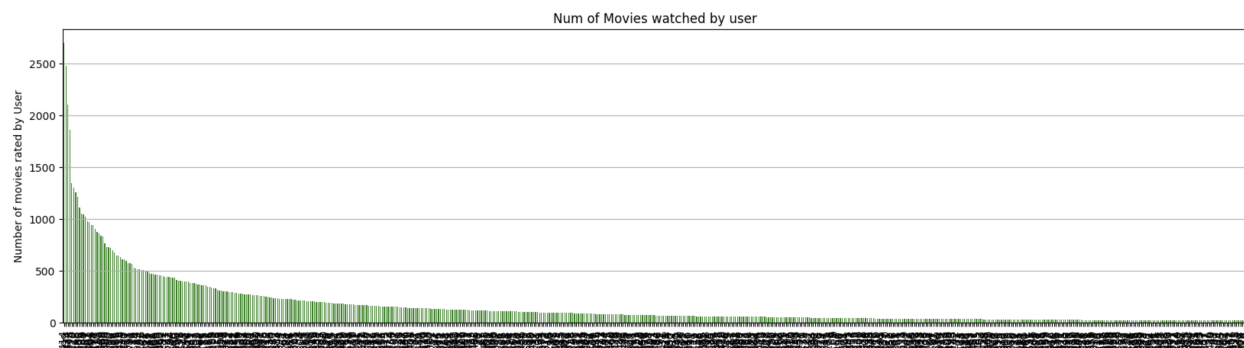
The distribution of Ratings looks near normal.



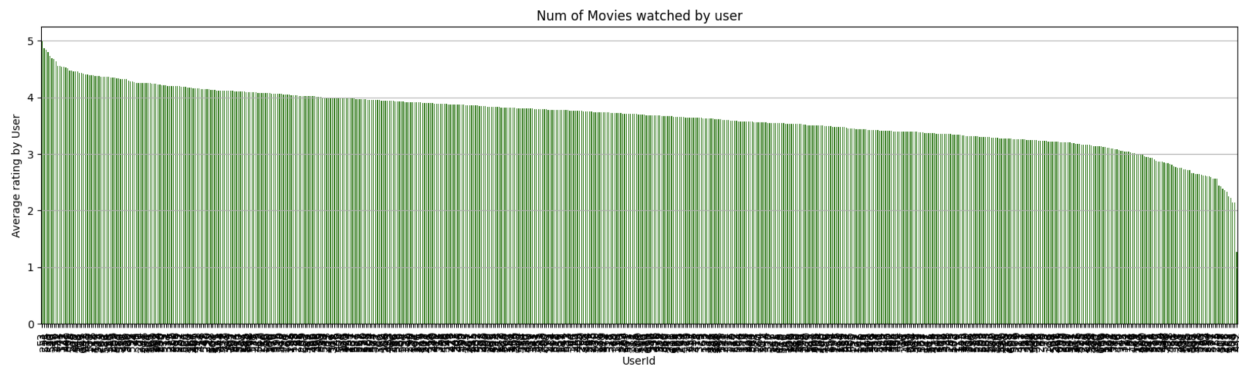
Similarly the distribution of average movie rating looks near normal.



The user have watched a lot of movies. Users have watched at minimum 20 movies and at most ~2500 movies.



Most users rate movies as rating 3 and above.



560 users out of 610 have average rating ≥ 3

	Threshold	#AvgUserRatings \geq Threshold	#AvgUserRatings $<$ Threshold
0	0.5	610	0
1	1.0	610	0
2	1.5	609	1
3	2.0	609	1
4	2.5	600	10
5	3.0	561	49
6	3.5	398	212
7	4.0	153	457
8	4.5	14	596
9	5.0	1	609

Average movie rating for ~7000 out of 9724 movies is greater than equal to 3.0

	Threshold	#AvgMovieRatings >= Threshold	#AvgMovieRatings < Threshold
0	0.5	9724	0
1	1.0	9616	108
2	1.5	9428	296
3	2.0	9088	636
4	2.5	8248	1476
5	3.0	6966	2758
6	3.5	4680	5044
7	4.0	2270	7454
8	4.5	719	9005
9	5.0	296	9428

The movies span 109 languages. Top languages

Language	#Movies
en	8456
fr	996
es	755
de	566
it	540
ja	429
ru	392
zh	211
cn	138
ar	130

There are 18320 cast members

Actor	#Movies	
Robert De Niro	62	
Samuel L. Jackson	60	
Bruce Willis	57	
Nicolas Cage	51	
Morgan Freeman	49	
John Goodman	48	
Johnny Depp	48	
Michael Caine	47	
Tom Hanks	46	
Jeff Bridges	46	