IMDB Movie Analysis

PROJECT DESCRIPTION:

In this project i.e. IMDB Movie Analysis, I provided support in the effort to produce business insights for the marketing, product, and by giving the data to the development teams working on this project using Microsoft Excel. I am utilising a variety of Excel queries during this process to obtain the relevant data. Based on the data obtained, I managed to figure out-

- Movies with highest profit.
- IMDB top 250.
- Best Directors.
- Popular Genres.
- Critic-favourite and audience-favourite actors.

APPROACH:

I initially examined the objective to find the relevant data that the team needed and then I imported the data into Excel and using different formulas in excel to find necessary conclusions about the company. By using the below Steps for EDA

- · Understanding data columns and data
- Checking for missing data
- Clubbing columns with multiple categories
- Dropping columns.
- Removing null values.
- Drawing Data Summary

TECH-STACK USED:

I carried out the project using MS Excel.

INSIGHTS:

I identify and clarify the main objective and by using Excel, I learn more about real-time
analytics and obtain insights by applying various Excel formulas on this project. I
identified the movie database info that was provided. I gained various insights into the
Movies with highest profit, IMDB top 250, best directors, popular genres and criticfavourite and audience-favourite actors.

RESULTS:

By the completion of the project, I had improved my Excel skills, learned how to work with real-world data and experienced how to approach and resolve problems.

Based on the data provided, I was able to achieve a number of results which are listed below.

1. Cleaning the data: Dropping columns, removing null values, etc.

Task: Clean the data.

Result: In cleaning the data I have-

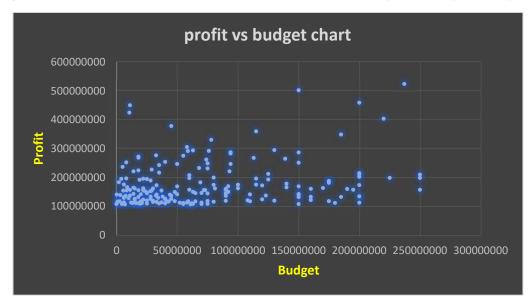
- Deleted all the duplicates record from the table.
- Removed the blank data rows.
- Removed unwanted special characters from the data.
- After cleaning the data the rows reduced from 5044 to 3724.

3704	921	21379315	Action Adventure Animation Comedy Family Sci-Fi	Elisabeth Harnois	Mars Needs Moms
3705	17000	47375327	Action Adventure Sci-Fi	Channing Tatum	Jupiter Ascending
3706	979	65171860	Adventure Fantasy	Eddie Marsan	Jack the Giant Slayer
3707	18000	38297305	Action Adventure Drama Fantasy	Keanu Reeves	47 Ronin
3708	14000	65173160	Action Adventure Sci-Fi Thriller	Liam Neeson	Battleship
3709	15000	665426	Adventure Animation Family Fantasy	Tom Hanks	The Polar Express
3710	778	11905519	Action Crime Drama Thriller	Jon Foo	The Protector
3711	640	73058679	Action Adventure Sci-Fi	Daryl Sabara	John Carter
3712	64	102055	Action	Nirut Sirichanya	Ong-bak 2
3713	51	14131298	Adventure Biography Drama History War	Paul Brooke	The Messenger: The Story of Joan o
3714	7	454255	Action Adventure Drama History War	Sarunyu Wongkrachang	The Legend of Suriyothai
3715	755	626809	Action Adventure Drama History War	Takeshi Kaneshiro	Red Cliff
3716	8000	3275443	Drama	Shah Rukh Khan	Kabhi Alvida Naa Kehna
3717	341	1687311	Drama Musical	MÃ-a Maestro	Tango
3718	43	10037390	Action Adventure Drama Sci-Fi Thriller	Hiroshi Abe	Godzilla 2000
3719	6	439162	Action Animation Sci-Fi	Mitsuo Iwata	Akira
3720	488	410388	Action Adventure Animation Family Sci-Fi Thriller	William Hootkins	Steamboy
3721	893	2298191	Adventure Animation Fantasy	Minnie Driver	Princess Mononoke
3722	9	195888	Drama Romance War	Marcell Nagy	Fateless
3723	717	211667	Crime Drama	Min-sik Choi	Lady Vengeance
3724	629	2201412	Comedy Drama Horror Sci-Fi	Doona Bae	The Host
3725					
2726					

2. Movies with highest profit: Create a new column called profit which contains the difference of the two columns: gross and budget.

Task: Find the movies with the highest profit.

movie_title -	budget -	gross =	Profit →
Avatar	237000000	760505847	523505847
Jurassic World	150000000	652177271	502177271
Titanic	200000000	658672302	458672302
Star Wars: Episode IV - A New Hope	11000000	460935665	449935665
E.T. the Extra-Terrestrial	10500000	434949459	424449459
The Avengers	220000000	623279547	403279547
The Lion King	45000000	422783777	377783777
Star Wars: Episode I - The Phantom Menace	115000000	474544677	359544677
The Dark Knight	185000000	533316061	348316061
The Hunger Games	78000000	407999255	329999255
Deadpool	58000000	363024263	305024263
The Hunger Games: Catching Fire	130000000	424645577	294645577
Jurassi c Park	63000000	356784000	293784000
Despicable Me 2	76000000	368049635	292049635
American Sniper	58800000	350123553	291323553
Finding Nemo	94000000	380838870	286838870
Shrek 2	150000000	436471036	286471036
The Lord of the Rings: The Return of the King	94000000	377019252	283019252
Star Wars: Episode VI - Return of the Jedi	32500000	309125409	276625409
Forrest Gump	55000000	329691196	274691196
Star Wars: Episode V - The Empire Strikes Back	18000000	290158751	272158751
Home Alone	18000000	285761243	267761243
Star Wars: Episode III - Revenge of the Sith	113000000	380262555	267262555
Spider-Man	139000000	403706375	264706375
Minions	74000000	336029560	262029560
The Sixth Sense	40000000	293501675	253501675
Jaws	8000000	260000000	252000000



3. Top 250: Create a new column IMDb_Top_250 and store the top 250 movies with the highest IMDb Rating.

num_voted_users>25000 ~	imdb_score	imdb_top250	- Rank -
1689764	9.3	The Shawshank Redemption	1
1155770	9.2	The Godfather	2
1676169	9	The Dark Knight	3
790926	9	The Godfather: Part II	4
1324680	8.9	Pulp Fiction	5
1215718	8.9	The Lord of the Rings: The Return of the King	6
865020	8.9	Schindler's List	7
503509	8.9	The Good, the Bad and the Ugly	8
1468200	8.8	Inception	9
1347461	8.8	Fight Club	10
1251222	8.8	Forrest Gump	11
1238746	8.8	The Lord of the Rings: The Fellowship of the Ring	12
837759	8.8	Star Wars: Episode V - The Empire Strikes Back	13
1217752	8.7 8.7	The Matrix	14 15
1100446 911097	8.7	The Lord of the Rings: The Two Towers Star Wars: Episode IV - A New Hope	16
728685	8.7	Goodfellas	17
680041	8.7	One Flew Over the Cuckoo's Nest	18
533200	8.7	City of God	19
229012	8.7	Seven Samurai	20
1023511	8.6	Se7en	21
928227	8.6	Interstellar	22
887467	8.6	The Silence of the Lambs	23
881236	8.6	Saving Private Ryan	24
782437	8.6	American History X	25
manus areta di assessa AFOOO	imdb_score 🚚	imdh tan250	- Rank -
num_voteu_users>25000 -	- IIIIuD_score ++	IIIIub_tup250	
num_voted_users>25000 - 740918			
740918	8.6	The Usual Suspects	26
740918 417971	8.6 8.6	The Usual Suspects Spirited Away	26 27
740918 417971 143086	8.6 8.6 8.6	The Usual Suspects Spirited Away Modern Times	26 27 28
740918 417971 143086 1144337	8.6 8.6 8.6 8.5	The Usual Suspects Spirited Away Modern Times Back to the Future	26 27 28 29
740918 417971 143086 1144337 982637	8.6 8.6 8.6 8.5 8.5	The Usual Suspects Spirited Away Modern Times Back to the Future The Green Mile	26 27 28 29 30
740918 417971 143086 1144337 982637 955174	8.6 8.6 8.6 8.5 8.5 8.5	The Usual Suspects Spirited Away Modern Times Back to the Future The Green Mile Apocalypse Now	26 27 28 29 30 31
740918 417971 143086 1144337 982637 955174 873649	8.6 8.6 8.5 8.5 8.5 8.5	The Usual Suspects Spirited Away Modern Times Back to the Future The Green Mile Apocalypse Now Psycho	26 27 28 29 30 31 32
740918 417971 143086 1144337 982637 955174 873649 845580	8.6 8.6 8.6 8.5 8.5 8.5	The Usual Suspects Spirited Away Modern Times Back to the Future The Green Mile Apocalypse Now Psycho The Prestige	26 27 28 29 30 31 32 33
740918 417971 143086 1144337 982637 955174 873649 845580 844052	8.6 8.6 8.5 8.5 8.5 8.5 8.5 8.5 8.5	The Usual Suspects Spirited Away Modern Times Back to the Future The Green Mile Apocalypse Now Psycho	26 27 28 29 30 31 32
740918 417971 143086 1144337 982637 955174 873649 845580	8.6 8.6 8.5 8.5 8.5 8.5 8.5	The Usual Suspects Spirited Away Modern Times Back to the Future The Green Mile Apocalypse Now Psycho The Prestige	26 27 28 29 30 31 32 33
740918 417971 143086 1144337 982637 955174 873649 845580 844052	8.6 8.6 8.5 8.5 8.5 8.5 8.5 8.5 8.5	The Usual Suspects Spirited Away Modern Times Back to the Future The Green Mile Apocalypse Now Psycho The Prestige Whiplash	26 27 28 29 30 31 32 33 34
740918 417971 143086 1144337 982637 955174 873649 845580 844052 782610	8.6 8.6 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5	The Usual Suspects Spirited Away Modern Times Back to the Future The Green Mile Apocalypse Now Psycho The Prestige Whiplash Alien	26 27 28 29 30 31 32 33 34 35
740918 417971 143086 1144337 982637 955174 873649 845580 844052 782610 744891	8.6 8.6 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5	The Usual Suspects Spirited Away Modern Times Back to the Future The Green Mile Apocalypse Now Psycho The Prestige Whiplash Alien Gladiator	26 27 28 29 30 31 32 33 34 35 36
740918 417971 143086 1144337 982637 955174 873649 845580 844052 782610 744891 732212	8.6 8.6 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5	The Usual Suspects Spirited Away Modern Times Back to the Future The Green Mile Apocalypse Now Psycho The Prestige Whiplash Alien Gladiator Terminator 2: Judgment Day	26 27 28 29 30 31 32 33 34 35 36 37
740918 417971 143086 1144337 982637 9855174 873649 845580 844052 782610 744891 732212 661017 644348	8.6 8.6 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5	The Usual Suspects Spirited Away Modern Times Back to the Future The Green Mile Apocalypse Now Psycho The Prestige Whiplash Alien Gladiator Terminator 2: Judgment Day The Dark Knight Rises Raiders of the Lost Ark	26 27 28 29 30 31 32 33 34 35 36 37
740918 417971 143086 1144337 982637 9855174 873649 845580 844052 782610 744891 732212 661017 644348 563827	8.6 8.6 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5	The Usual Suspects Spirited Away Modern Times Back to the Future The Green Mile Apocalypse Now Psycho The Prestige Whiplash Alien Gladiator Terminator 2: Judgment Day The Dark Knight Rises Raiders of the Lost Ark Django Unchained	26 27 28 29 30 31 32 33 34 35 36 37 38 39
740918 417971 143086 1144337 982637 9855174 873649 845580 844052 782610 744891 732212 661017 644348 563827 497946	8.6 8.6 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5	The Usual Suspects Spirited Away Modern Times Back to the Future The Green Mile Apocalypse Now Psycho The Prestige Whiplash Alien Gladiator Terminator 2: Judgment Day The Dark Knight Rises Raiders of the Lost Ark Django Unchained Star Wars: Episode VI - Return of the Jedi	26 27 28 29 30 31 32 33 34 35 36 37 38 39 40
740918 417971 143086 1144337 982637 9855174 873649 845580 844052 782610 744891 732212 661017 644348 563827 497946 450676	8.6 8.6 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5	The Usual Suspects Spirited Away Modern Times Back to the Future The Green Mile Apocalypse Now Psycho The Prestige Whiplash Alien Gladiator Terminator 2: Judgment Day The Dark Knight Rises Raiders of the Lost Ark Django Unchained Star Wars: Episode VI - Return of the Jedi	26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41
740918 417971 143086 1144337 982637 9855174 873649 845580 844052 782610 744891 732212 661017 644348 563827 497946 450676 422432	8.6 8.6 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5	The Usual Suspects Spirited Away Modern Times Back to the Future The Green Mile Apocalypse Now Psycho The Prestige Whiplash Alien Gladiator Terminator 2: Judgment Day The Dark Knight Rises Raiders of the Lost Ark Django Unchained Star Wars: Episode VI - Return of the Jedi The Departed Memento	26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43
740918 417971 143086 1144337 982637 9855174 873649 845580 844052 782610 744891 732212 661017 644348 563827 497946 450676 422432 399138	8.6 8.6 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5	The Usual Suspects Spirited Away Modern Times Back to the Future The Green Mile Apocalypse Now Psycho The Prestige Whiplash Alien Gladiator Terminator 2: Judgment Day The Dark Knight Rises Raiders of the Lost Ark Django Unchained Star Wars: Episode VI - Return of the Jedi The Departed Memento The Lives of Others	26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44
740918 417971 143086 1144337 982637 982637 955174 873649 845580 844052 782610 744891 732212 661017 644348 563827 497946 450676 422432 399138 259379	8.6 8.6 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5	The Usual Suspects Spirited Away Modern Times Back to the Future The Green Mile Apocalypse Now Psycho The Prestige Whiplash Alien Gladiator Terminator 2: Judgment Day The Dark Knight Rises Raiders of the Lost Ark Django Unchained Star Wars: Episode VI - Return of the Jedi The Departed Memento The Lives of Others Children of Heaven	26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44
740918 417971 143086 1144337 982637 982637 955174 873649 845580 844052 782610 744891 732212 661017 644348 563827 497946 450676 422432 399138 259379 27882	8.6 8.6 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5	The Usual Suspects Spirited Away Modern Times Back to the Future The Green Mile Apocalypse Now Psycho The Prestige Whiplash Alien Gladiator Terminator 2: Judgment Day The Dark Knight Rises Raiders of the Lost Ark Django Unchained Star Wars: Episode VI - Return of the Jedi The Departed Memento The Lives of Others Children of Heaven The Pianist	26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45
740918 417971 143086 1144337 982637 955174 873649 845580 844052 782610 744891 732212 661017 644348 563827 497946 450676 422432 399138 259379 27882 822500	8.6 8.6 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5	The Usual Suspects Spirited Away Modern Times Back to the Future The Green Mile Apocalypse Now Psycho The Prestige Whiplash Alien Gladiator Terminator 2: Judgment Day The Dark Knight Rises Raiders of the Lost Ark Django Unchained Star Wars: Episode VI - Return of the Jedi The Departed Memento The Lives of Others Children of Heaven The Pianist Aliens	26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47
740918 417971 143086 1144337 982637 9855174 873649 845580 844052 782610 744891 732212 661017 644348 563827 497946 450676 422432 399138 259379 27882 822500 736638	8.6 8.6 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5	The Usual Suspects Spirited Away Modern Times Back to the Future The Green Mile Apocalypse Now Psycho The Prestige Whiplash Alien Gladiator Terminator 2: Judgment Day The Dark Knight Rises Raiders of the Lost Ark Django Unchained Star Wars: Episode VI - Return of the Jedi The Departed Memento The Lives of Others Children of Heaven The Pianist Aliens Reservoir Dogs	26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45
740918 417971 143086 1144337 982637 955174 873649 845580 844052 782610 744891 732212 661017 644348 563827 497946 450676 422432 399138 259379 27882 822500	8.6 8.6 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5	The Usual Suspects Spirited Away Modern Times Back to the Future The Green Mile Apocalypse Now Psycho The Prestige Whiplash Alien Gladiator Terminator 2: Judgment Day The Dark Knight Rises Raiders of the Lost Ark Django Unchained Star Wars: Episode VI - Return of the Jedi The Departed Memento The Lives of Others Children of Heaven The Pianist Aliens	26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47

_voted_users>25000	- imdb_score +	imdb_top250 -	Ran
664719	8.4	Oldboy	5
573541	8.4	Das Boot	5
534262	8.4	Princess Mononoke	5
488537	8.4	WALLÂ-E	5
356181	8.4	Requiem for a Dream	5
221552	8.4	Toy Story 3	5
221000	8.4	AmÃ@lie	5
192775	8.4	Once Upon a Time in America	5
168203	8.4	Lawrence of Arabia	5
151812	8.4	Braveheart	6
980946	8.3	Inglourious Basterds	6
885175	8.3	2001: A Space Odyssey	6
666937	8.3	Room	6
665575	8.3	Unforgiven	6
623757	8.3	The Sting	6
604904	8.3	Up	6
600996	8.3	Some Like It Hot	6
544884	8.3	Inside Out	6
537442	8.3	Eternal Sunshine of the Spotless Mind	6
515306	8.3	Good Will Hunting	7
427357	8.3	Amadeus	7
414219	8.3	Snatch	7
382240	8.3	The Hunt	7
345198	8.3	Toy Story	7
277505	8.3	Batman Begins	7
270790	8.3	L.A. Confidential	7
248354	8.3	Raging Bull	7
235133	8.3	Finding Nemo	7
voted_users>25 000 - 235133	imdb_score +4 8.3	imdb_top250 ~ Finding Nemo	Rani 7
175607	8.3	Indiana Jones and the Last Crusade	7
175196	8.3	Scarface	8
170155	8.3	Metropolis	8
161288	8.3	Monty Python and the Holy Grail	8
111841	8.3	Downfall	8
791783	8.2	Trainspotting	8
780588	8.2	V for Vendetta	8
692482	8.2	Gone with the Wind	8
610568	8.2	Die Hard	8
592582	8.2	How to Train Your Dragon	8
		A Beautiful Mind	8
561773	8.2		
537419	8.2	Incendies	9
485430	8.2	The Bridge on the River Kwai	9
469561	8.2	On the Waterfront	9
467234	8.2	The Secret in Their Eyes	9
461609	8.2	The Thing	9
426359	8.2	Lock, Stock and Two Smoking Barrels	9
414976	8.2	The Big Lebowski	9
333542	8.2	Warrior	9
332276	8.2	Howl's Moving Castle	9
272670	8.2	Gran Torino	9
258078	8.2	Casino	10
215340	8.2	Captain America: Civil War	10
	8.2		10
214091		The Avengers	_
149444	8.2	Pan's Labyrinth	10
131831	8.2	The Wolf of Wall Street	10
100890	8.2	Into the Wild	10

_voted_users>25000 =	imdb_score .1	imdb_top250	▼ Rank
131831	8.2	The Wolf of Wall Street	10-
100890	8.2	Into the Wild	10
80429	8.2	Blade Runner	10
995415	8.1	Deadpool	10
809474	8.1	Guardians of the Galaxy	10
786092	8.1	Stand by Me	10
735784	8.1	12 Years a Slave	110
704766	8.1	Monsters, Inc.	11
682155	8.1	The Help	11:
667983	8.1	Groundhog Day	11:
656640	8.1	The Grand Budapest Hotel	114
613473	8.1	The Sixth Sense	115
612060	8.1	The Revenant	116
600266	8.1	Spotlight	117
585659	8.1	Pirates of the Caribbean: The Curse of the Black Pearl	118
580999	8.1	Elite Squad	113
569841	8.1	Butch Cassidy and the Sundance Kid	121
552503	8.1	Amores Perros	12
491077	8.1	Rocky	12:
482064	8.1	The Truman Show	12:
479047	8.1	Jurassic Park	124
475518	8.1	The Terminator	125
472488	8.1	The Bourne Ultimatum	120
467613	8.1	Million Dollar Baby	12
439176	8.1	Annie Hall	120
437418	8.1	No Country for Old Men	12:
406020	8.1	Shutter Island	130
383591	8.1	The Princess Bride	13
375240	8.1	Gone Girl	13:
372990 318955	8.1	Prisoners Platoon	13:
312629	8.1	Tae Guk Gi: The Brotherhood of War	134
	8.1	Dan Wei Weine wall	135
_voted_users>25000 -	imdb_score	imdb_top250	- Rank
338383	8	Doctor Zhivago	17
326494	8	Boyhood	17
307639	8	Mulholland Drive	17
284252	8	Aladdin	17
277451	8	Mystic River	17
266020	8	Bowling for Columbine	17
		The state of the s	
260939	8	The Incredibles	17
242599	8	Cinderella Man	18
241030	8	Serenity	18
235992	8	My Name Is Khan	18
190030	8	Sling Blade	18
186485	8	The Sound of Music	18
168398	8	Central Station	18
163492	8	Persepolis	18
152306	8	In Bruges	18
148238	8	Blood Diamond	18
148172	8	Rain Man	18
		District Physical Control of the Con	
147566	8	Before Sunset	19
128455	8	Avatar	19
123090	8	Casino Royale	19:
113472	8	The Artist	19
112671	8	Dead Poets Society	19
79330	8	Magnolia	19
72443	8	Dallas Buyers Club	19
70194	8	Big Fish	19
69759	8	Dancer in the Dark	19
66610	8	Shaun of the Dead	19:
63733	8	Brazil	20
55816	8	Black Swan	20
			- Control of
46107	8	True Romance	20
29839	8	Kill Bill: Vol. 2	20
28951	8	Her	20
886204	7.9	E.T. the Extra-Terrestrial	20
696338	7.9	Toy Story 2	20
483756	7.9	Crouching Tiger, Hidden Dragon	20
483540	7.9	How to Train Your Dragon 2	20
467113	7.9	Iron Man The Hangover	20
431620	7.9		

tod_wrors>25004	 imdb_rcor imdb_top; 		Rank
483540	7.9	How to Train Your Dragon 2	208
467113	7.9	Iran Man	209
431620	7.9	The Hangover	210
407601	7.9	Biq Hora 6	211
396396	7.9	Hora	212
385871	7.9	Straight Outta Compton	213
361767	7.9	Edge of Tomorrow	214
361169	7.9	Hallousen	215
357581	7.9	The Habbit: The Devalation of Smauq	216
355810	7.9	The Untauchables	217
352695	7.9	The Remains of the Day	218
323353	7.9	Little Mirz Sunzhine	219
293304	7.9	Da the Right Thing	220
281842	7.9	Shrok	221
279093	7.9	My Fair Lady	223
275869	7.9	The Bourne Identity	223
272839	7.9	Once	224
260607	7.9	Nino Queens	225
251349	7.9	HotFuxx	221
221128	7.9	The Blues Brothers	22
219008	7.9	Crark	22:
217740	7.9	Walk the Line	22
207287	7.9	The Natebook	23
189032	7.9	The Hateful Eight	231
188637	7.9	The Fighter	233
157863	7.9	Edward Scizzerhands	23
157857	7.9	Hallausen	23
149414	7.9	The Incider	23
142448	7.9	Nighterguler	231
142416	7.9	The World's Fastest Indian	23
133526	7.9	Children of Men	23:
132149	7.9	The Right Stuff	23
119928	7.9	Taken	24
101889	7.9	Before Midnight	24
101888	7.9	Glary	24
95362	7.9	4Months, 3 Weeks and 2 Days	24
90827	7.9	Glary	24
70382	7.9	Ed Wood	249
66959	7.9	Captain Phillips	24
59524	7.9	The Wrestler	24
45703	7.9	Boogie Night	24
45271	7.9	Amour	24
	11.5	Fillia VI	250

Top foreign language film

Top_foreign_lang_film	num_voted_users	language 🛂	imdb_sc
The Good, the Bad and the Ugly	503509	Italian	8.9
City of God	533200	Portuguese	8.7
Seven Samurai	229012	Japanese	8.7
Spirited Away	417971	Japanese	8.6
The Lives of Others	259379	German	8.5
Children of Heaven	27882	Persian	8.5
AmÃ⊕lie	534262	French	8.4
Oldboy	356181	Korean	8.4
Princess Mononoke	221552	Japanese	8.4
Das Boot	168203	German	8.4
A Separation	151812	Persian	8.4
Downfall	248354	German	8.3
The Hunt	170155	Danish	8.3
Metropolis	111841	German	8.3
Pan's Labyrinth	467234	Spanish	8.2
Howl's Moving Castle	214091	Japanese	8.2
The Secret in Their Eyes	131831	Spanish	8.2
Incendies	80429	French	8.2
Amores Perros	173551	Spanish	8.1
Akira	106160	Japanese	8.1
Elite Squad	81644	Portuguese	8.1
The Celebration	65951	Danish	8.1
The Sea Inside	64556	Spanish	8.1
Tae Guk Gi: The Brotherhood of War	31943	Korean	8.1
A Fistful of Dollars	147566	Italian	8
Persepolis	70194	French	8
My Name Is Khan	69759	Hindi	8
Waltz with Bashir	46107	Hebrew	8
Central Station	28951	Portuguese	8
Crouching Tiger, Hidden Dragon	217740	Mandarin	7.9
Hero	149414	Mandarin	7.9
Letters from Iwo Jima	132149	Japanese	7.9
Amour	70382	French	7.9
4 Months, 3 Weeks and 2 Days	44763	Romanian	7.9

4. Best Directors: Group the column using the director_name column.

Task: Find the best directors.

Result:

top_10_directors	~	mean_imdb_score 🛂
Akira Kurosawa		8.70
Tony Kaye		8.60
Charles Chaplin		8.60
Alfred Hitchcock		8.50
Damien Chazelle		8.50
Majid Majidi		8.50
Ron Fricke		8.50
Sergio Leone		8.43
Christopher Nolan		8.43
Richard Marquand		8.40

5. Popular Genres:

Task: Find popular genres.

popular genres IT	Count of movie_title
Comedy Drama Romance	147
Drama	140
Comedy	137
Comedy Drama	137
Comedy Romance	131
Drama Romance	114
Crime Drama Thriller	81
Action Crime Thriller	55
Action Crime Drama Thriller	50
Action Adventure Sci-Fi	46

5. Charts:

Task: Find the critic-favorite and audience-favorite actors.

Leonardo DiCaprio	Meryl Streep	Brad Pitt ▼
Blood Diamond	A Prairie Home Companion	Babel
Body of Lies	Hope Springs	By the Sea
Catch Me If You Can	It's Complicated	Fight Club
Django Unchained	Julie & Julia	Fury
Gangs of New York	Lions for Lambs	Interview with the Vampire: The Vampire Chronicles
Inception	One True Thing	Killing Them Softly
J. Edgar	Out of Africa	Mr. & Mrs. Smith
Marvin's Room	The Devil Wears Prada	Ocean's Eleven
Revolutionary Road	The Hours	Ocean's Twelve
Romeo + Juliet	The Iron Lady	Seven Years in Tibet
Shutter Island	The River Wild	Sinbad: Legend of the Seven Seas
The Aviator		Spy Game
The Beach		The Assassination of Jesse James by the Coward Robert Ford
The Departed		The Curious Case of Benjamin Button
The Great Gatsby		The Tree of Life
The Man in the Iron Mask		Troy
The Quick and the Dead		True Romance
The Revenant		
The Wolf of Wall Street		
Titanic		

actor_1_name 💌	movies	+
Leonardo Di Capri	Blood Diamond	
Leonardo Di Capri	Body of Lies	
Leonardo Di Capri	Catch Me If You Can	
Leonardo Di Capri	Django Unchained	
Leonardo Di Capri	Gangs of New York	
Leonardo Di Capri	Inception	
Leonardo Di Capri	J. Edgar	
Leonardo Di Capri	Marvin's Room	
Leonardo Di Capri	Revolutionary Road	
Leonardo Di Capri	Romeo + Juliet	
Leonardo Di Capri	Shutter Island	
Leonardo Di Capri	The Aviator	
Leonardo Di Capri	The Beach	
Leonardo Di Capri	The Departed	
Leonardo Di Capri	The Great Gatsby	
Leonardo Di Capri	The Man in the Iron Mask	
Leonardo Di Capri	The Quick and the Dead	
Leonardo Di Capri	The Revenant	
Leonardo Di Capri	The Wolf of Wall Street	

Meryl Streep	A Prairie Home Companion
Meryl Streep	Hope Springs
Meryl Streep	It's Complicated
Meryl Streep	Julie & Julia
Meryl Streep	Lions for Lambs
Meryl Streep	One True Thing
Meryl Streep	Out of Africa
Meryl Streep	The Devil Wears Prada
Meryl Streep	The Hours
Meryl Streep	The Iron Lady
Meryl Streep	The River Wild
Brad Pitt	Babel
Brad Pitt	By the Sea
Brad Pitt	Fight Club
Brad Pitt	Fury
Brad Pitt	Interview with the Vampire: The Vampire Chronicles
Brad Pitt	Killing Them Softly
Brad Pitt	Mr. & Mrs. Smith
Brad Pitt	Ocean's Eleven
Brad Pitt	Ocean's Twelve
Brad Pitt	Seven Years in Tibet
Brad Pitt	Sinbad: Legend of the Seven Seas
Brad Pitt	Spy Game
Brad Pitt	The Assassination of Jesse James by the Coward Robert
Brad Pitt	The Curious Case of Benjamin Button
Brad Pitt	The Tree of Life
Brad Pitt	Troy
Brad Pitt	True Romance

mean of the num_critic_for_reviews and num_users_for_review

actor name	l _num_user_for_reviews	_num_critic_for_reviews
Heather Donahue	3400	360
Christo Jivkov	2814	406
Steve Bastoni	2789	275
Phaldut Sharma	1885	738
Orlando Bloom	1842	259
Keir Dullea	1736	285
Eva Green	1708	389
Chen Chang	1641	287
Nick Stahl	1562	218
Albert Finney	1498	750
Kevin Rankin	1445	267
Noah Huntley	1441	224
Osama bin Laden	1416	288
Seychelle Gabriel	1382	280
Mathieu Kassovitz	1314	242
Essie Davis	1286	245
Sharlto Copley	1262	472
Giancarlo Giannini	1243	403
Christopher Lee	1237	155
Matt Frewer	1229	451
Luenell	1198	343
Micab Sloat	1100	400

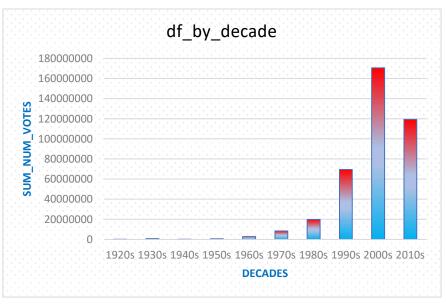
actors which have the highest mean

Audience favourite actor Heather Donahue

Critic favourite actor Albert Finney

Decade column which represents the decade to which every movie belongs to

Decades 💌	Users_voted 💌	
1920s	116387	
1930s	804839	
1940s	159517	
1950s	678336	
1960s	2982551	
1970s	8523299	
1980s	19987476	
1990s	69581866	
2000s	170711435	
2010s	119432961	



Link**↓**

 $\frac{https://docs.google.com/spreadsheets/d/1S-keX9nexJ5UZyB3rH6DjPstfNQGipQe/edit?usp=sharing\&ouid=115123843229850064657\&rtpof=true\&sd=true$