## IMDB MOVIE ANALYSIS



Project By Sumit Gope

# **Project Description**



IMDb is one of the most popular online databases for movies, television shows, and video games. In this project, we will analyze a dataset of IMDb movies to gain insights and answer some interesting questions about the movie industry. The dataset contains various features of movies such as their title\_movie, genres, rating, gross, and more.



# Approach

**Data Cleaning:** The first step is to clean the data, which involves handling missing values, removing duplicate records, and converting data types.

**Exploratory Data Analysis (EDA):** In this step, we will explore the data to understand the relationships and patterns between different features. We can use various data visualization techniques such as Bar chart, pivot table, and many more.

**Feature Engineering:** We can create new features from the existing ones to get more meaningful insights. For example, we can calculate the profit made by a movie by subtracting the budget from the gross revenue.

**Answering Questions:** After completing the EDA and feature engineering, we can answer some interesting questions such as:

- 1. Which genres are the most popular?
- 2. What is the correlation between the budget and the revenue?
- 3. Which actors and directors have the highest average rating?
- 4. Which movies have the highest profit?
- 5. How has the movie industry evolved over the years?

**Conclusion:** Finally, we will summarize the findings from the analysis and draw conclusions. We can also provide recommendations for movie makers to improve their chances of making a successful movie.

### **Tech-Stack Used**







# Insights

A. Your task: Clean the data

Solution: First I removed the duplicates value from the dataset from

Data->Remove Duplicates using excel then removed the null values from the dataset using F5 then click on 'special' which direct you to 'Go to special' where we have to click blank and its shows all blank spots mark. To delete all the blanks spot's row click ctrl+ - (minus) then click 'entire row'.

After this I have done the remove unwanted columns which are not necessary for this project tasks.

After clean the data we've got this in output:

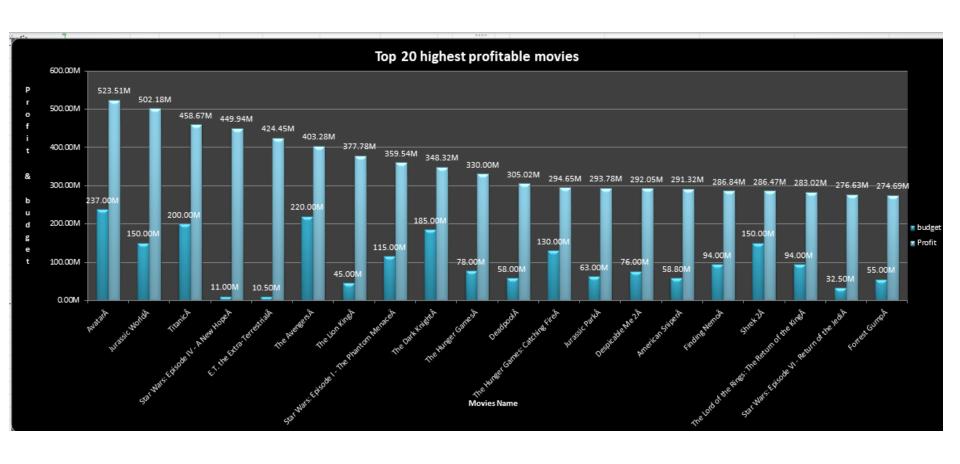


## **B. Your task:** Find the movies with the highest profit? **Solution:**

I have created a new column called Profit and then used the formula " =gross cell-budget". Then sort the column largest to smallest.

#### **Output:**

movie_title	budget	Profit
AvatarÂ	237000000	523505847
Jurassic WorldÂ	150000000	502177271
TitanicÂ	200000000	458672302
Star Wars: Episode IV - A New HopeÂ	11000000	449935665
E.T. the Extra-TerrestrialÂ	10500000	424449459
The AvengersÂ	220000000	403279547
The Lion KingÂ	45000000	377783777
Star Wars: Episode I - The Phantom MenaceÂ	115000000	359544677
The Dark KnightÂ	185000000	348316061
The Hunger GamesÂ	78000000	329999255
DeadpoolÂ	58000000	305024263
The Hunger Games: Catching FireÂ	130000000	294645577
Jurassic ParkÂ	63000000	293784000
Despicable Me 2Â	76000000	292049635
American SniperÂ	58800000	291323553
Finding NemoÂ	94000000	286838870
Shrek 2Â	150000000	286471036
The Lord of the Rings: The Return of the KingÂ	94000000	283019252
Star Wars: Episode VI - Return of the JediÂ	32500000	276625409
Forrest GumpÂ	55000000	274691196



C. Your task: Find IMDB Top 250

**Solution:** Created a new column called IMDB\_Top\_250. Then sorted the Imdb\_score largest to smallest and put the condition on num\_voted\_users value greater than and equal to 25000.

Then filter the language column by not deselecting english language. Which gave us non english movies which are actually top foreign language films.

Extract on top\_foreign\_lang column.

#### **Output:**

actually top foreign language lilms.		
Rank ▼ imdb_top_250 ▼	imdb_score ▼	num_voted_users <
1 The Shawshank RedemptionÂ	9.3	1689764
2 The GodfatherÂ	9.2	1155770
3 The Dark KnightÂ	9	1676169
4 The Godfather: Part IIÂ	9	790926
5 The Lord of the Rings: The Return of the KingÂ	8.9	1215718
6 Pulp FictionÂ	8.9	1324680
7 The Good, the Bad and the UglyÂ	8.9	503509
8 Schindler's ListÂ	8.9	865020
9 InceptionÂ	8.8	1468200
10 Fight ClubÂ	8.8	1347461
11 Star Wars: Episode V - The Empire Strikes BackÂ	8.8	837759
12 The Lord of the Rings: The Fellowship of the RingÂ	8.8	1238746
13 Forrest GumpÂ	8.8	1251222
14 Seven SamuraiÂ	8.7	229012
15 City of GodÂ	8.7	533200
16 Star Wars: Episode IV - A New HopeÅ	8.7	911097
17 The MatrixÂ	8.7	1217752
18 GoodfellasÂ	8.7	728685
19 One Flew Over the Cuckoo's NestÂ	8.7	680041
20 The Lord of the Rings: The Two TowersÂ	8.7	1100446
21 The Usual SuspectsÂ	8.6	740918
22 Modern TimesÂ	8.6	143086
23 InterstellarÂ	8.6	928227
24 Se7enÂ	8.6	1023511
25 Spirited AwayÂ	8.6	417971
26 The Silence of the LambsÂ	8.6	887467
27 Saving Private RyanÂ	8.6	881236
28 American History XÂ	8.6	782437
29 PsychoÄ	8.5	422432
30 The Dark Knight RisesÂ	8.5	1144337
31 MementoÂ	8.5	845580
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32	The PrestigeÂ	8.5	844052
33	WhiplashÂ	8.5	399138
34	The Lives of OthersÂ	8.5	259379
35	Apocalypse NowÂ	8.5	450676
36	The Green MileÂ	8.5	782610
37	Terminator 2: Judgment DayÂ	8.5	744891
38	Children of HeavenÂ	8.5	27882
39	The DepartedÂ	8.5	873649
40	Django UnchainedÂ	8.5	955174
41	GladiatorÂ	8.5	982637
42	AlienÂ	8.5	563827
43	Back to the FutureÂ	8.5	732212
44	The Lion KingÂ	8.5	644348
45	The PianistÂ	8.5	497946
	Raiders of the Lost ArkÂ	8.5	661017
47	WALLÂ-EÂ	8.4	718837
48	A SeparationÂ	8.4	151812
49	OldboyÂ	8.4	356181
50	Requiem for a DreamÂ	8.4	573541
51	Lawrence of ArabiaÂ	8.4	192775
52	Princess MononokeÂ	8.4	221552
	AliensÂ	8.4	488537
54	AmélieÂ	8.4	534262
55	BraveheartÂ	8.4	736638
56	Reservoir DogsÂ	8.4	664719
57	Star Wars: Episode VI - Return of the JediÂ	8.4	681857
58	Baahubali: The BeginningÂ	8.4	62756
59	American BeautyÂ	8.4	822500
	Once Upon a Time in AmericaÂ	8.4	221000
	Das BootÂ	8.4	168203
62	Some Like It HotÂ	8.3	175196
63	ScarfaceÂ	8.3	537442
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64	Batman BeginsÂ	8.3	980946
65	UnforgivenÂ	8.3	277505
66	L.A. ConfidentialÂ	8.3	414219
67	MetropolisÂ	8.3	111841
68	The StingÂ	8.3	175607
69	Good Will HuntingÂ	8.3	604904
70	SnatchÂ	8.3	600996
71	Toy StoryÂ	8.3	623757
72	Toy Story 3Â	8.3	544884
73	RoomÂ	8.3	161288
74	Raging BullÂ	8.3	235133
75	Eternal Sunshine of the Spotless MindÂ	8.3	666937
76	AmadeusÂ	8.3	270790
77	DownfallÂ	8.3	248354
78	Inside OutÂ	8.3	345198
79	UpÂ	8.3	665575
80	Inglourious BasterdsÂ	8.3	885175
81	2001: A Space OdysseyÂ	8.3	427357
82	Indiana Jones and the Last CrusadeÂ	8.3	515306
83	Monty Python and the Holy GrailÂ	8.3	382240
84	The HuntÂ	8.3	170155
85	Finding NemoÂ	8.2	692482
86	Captain America: Civil WarÂ	8.2	272670
87	Gran TorinoÂ	8.2	561773
88	TrainspottingÂ	8.2	469561
89	The Bridge on the River KwaiÂ	8.2	149444
90	How to Train Your DragonÂ	8.2	485430
91	IncendiesÂ	8.2	80429
92	On the WaterfrontÂ	8.2	100890
93	WarriorÂ	8.2	332276
94	Pan's LabyrinthÂ	8.2	467234
95	Lock, Stock and Two Smoking BarrelsÂ	8.2	414976
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98	The Big LebowskiÂ	8.2	537419
99	The ThingÂ	8.2	258078
100	Die HardÂ	8.2	592582
101	The Secret in Their EyesÂ	8.2	131831
102	The Wolf of Wall StreetÂ	8.2	780588
103	CasinoÂ	8.2	333542
104	Blade RunnerÂ	8.2	461609
105	A Beautiful MindÂ	8.2	610568
	Into the WildÂ	8.2	426359
107	Gone with the WindÂ	8.2	215340
108	The Sea InsideÂ	8.1	64556
109	The RevenantÂ	8.1	406020
110	Amores PerrosÂ	8.1	173551
111	Million Dollar BabyÂ	8.1	482064
	Gone GirlÂ	8.1	569841
113	PrisonersÂ	8.1	383591
114	No Country for Old MenÂ	8.1	612060
115	Sin CityÂ	8.1	656640
116	Mad Max: Fury RoadÂ	8.1	552503
117	Butch Cassidy and the Sundance KidÂ	8.1	152089
118	Pirates of the Caribbean: The Curse of the Black PearlÂ	8.1	809474
119	Groundhog DayÂ	8.1	437418
120	The TerminatorÂ	8.1	600266
121	Guardians of the GalaxyÂ	8.1	682155
122	Tae Guk Gi: The Brotherhood of WarÂ	8.1	31943
123	RockyÂ	8.1	375240
124	Elite SquadÂ	8.1	81644
125	The AvengersÂ	8.1	995415
126	AkiraÂ	8.1	106160
127	The Sixth SenseÂ	8.1	704766
128	Shutter IslandÂ	8.1	786092
129	The Imitation GameÂ	8.1	467613

130 PlatoonÂ	8.1	291603
131 The Bourne UltimatumÂ	8.1	491077
132 There Will Be BloodÂ	8.1	372990
133 Monsters, Inc.Â	8.1	585659
134 The Truman ShowÂ	8.1	667983
135 Kill Bill: Vol. 1Â	8.1	735784
136 Donnie DarkoÂ	8.1	580999
137 Before SunriseÂ	8.1	183288
138 The MartianÂ	8.1	472488
139 Stand by MeÂ	8.1	271794
140 The Princess BrideÂ	8.1	294163
141 RushÂ	8.1	312629
142 12 Years a SlaveÂ	8.1	439176
143 Jurassic ParkÂ	8.1	613473
144 The HelpÂ	8.1	318955
145 Hotel RwandaÂ	8.1	264533
146 The CelebrationÂ	8.1	65951
147 DeadpoolÂ	8.1	479047
148 SpotlightÂ	8.1	195333
149 The Wizard of OzÂ	8.1	291875
150 The Grand Budapest HotelÂ	8.1	475518
151 The Best Years of Our LivesÂ	8.1	40359
152 Annie HallÂ	8.1	192940
153 Life of PiÂ	8	440084
154 Waltz with BashirÂ	8	46107
155 Rain ManÂ	8	383784
156 Sling BladeÂ	8	72443
157 The IncrediblesÂ	8	479166
158 RatatouilleÂ	8	473887
159 The Iron GiantÂ	8	128455
160 X-Men: Days of Future PastÂ	8	514125
161 Mystic RiverÂ	8	338415
	/	-

162 Slumdog MillionaireÂ	8	641997
163 Black SwanÂ	8	551363
164 Doctor ZhivagoÂ	8	55816
165 The Straight StoryÂ	8	63733
166 Mulholland DriveÂ	8	235992
167 Shaun of the DeadÂ	8	395921
168 Blood DiamondÂ	8	400292
169 The Pursuit of HappynessÂ	8	338383
170 Star TrekÂ	8	504419
171 Dallas Buyers ClubÂ	8	326494
172 SerenityÂ	8	242599
173 My Name Is KhanÂ	8	69759
174 Dances with WolvesÂ	8	186485
175 Dancer in the DarkÂ	8	79330
176 Casino RoyaleÂ	8	470483
177 Casino RoyaleÂ	8	470501
178 In BrugesÂ	8	307639
179 Young FrankensteinÂ	8	112671
180 Bowling for ColumbineÂ	8	123090
181 SickoÂ	8	66610
182 The ArtistÂ	8	190030
183 District 9Â	8	531737
184 Fiddler on the RoofÂ	8	29839
185 JFKÂ	8	113472
186 MagnoliaÂ	8	241030
187 Dead Poets SocietyÂ	8	277451
188 Kill Bill: Vol. 2Â	8	512749
189 BoyhoodÂ	8	266020
190 Before SunsetÂ	8	168398
191 The Sound of MusicÂ	8	148172
192 AladdinÂ	8	260939
193 Cinderella ManÂ	8	148238

194	A Fistful of DollarsÂ	8	147566
195	HerÂ	8	355126
196	The Perks of Being a WallflowerÂ	8	351274
197	JawsÂ	8	412454
198	Catch Me If You CanÂ	8	525801
199	BrazilÂ	8	152306
200	Big FishÂ	8	350698
201	The King's SpeechÂ	8	503631
	True RomanceÂ	8	163492
203	PersepolisÂ	8	70194
204	Central StationÂ	8	28951
205	The ExorcistÂ	8	284252
206	Children of MenÂ	7.9	361767
207	ShrekÂ	7.9	467113
208	Crouching Tiger, Hidden DragonÂ	7.9	217740
209	The UntouchablesÂ	7.9	219008
210	Almost FamousÂ	7.9	207287
211	The ChorusÂ	7.9	44151
212	Letters from Iwo JimaÂ	7.9	132149
213	4 Months, 3 Weeks and 2 DaysÂ	7.9	44763
214	NightcrawlerÂ	7.9	293304
215	The WrestlerÂ	7.9	251349
216	The FighterÂ	7.9	275869
217	How to Train Your Dragon 2Â	7.9	221128
218	Big Hero 6Â	7.9	279093
219	The Bourne IdentityÂ	7.9	407601
220	Edge of TomorrowÂ	7.9	431620
221	MoonÂ	7.9	260607
222	Hot FuzzÂ	7.9	352695
223	GloryÂ	7.9	101889
224	Straight Outta ComptonÂ	7.9	119928
225	Nine QueensÂ	7.9	38215

226 My Fair LadyÂ	7.9	66959
227 AvatarÂ	7.9	886204
228 The Remains of the DayÂ	7.9	45703
229 Walk the LineÂ	7.9	188637
230 OnceÂ	7.9	90827
231 HalloweenÂ	7.9	157857
232 HalloweenÂ	7.9	157863
233 The Blues BrothersÂ	7.9	142448
234 Toy Story 2Â	7.9	385871
235 Iron ManÂ	7.9	696338
236 Little Miss SunshineÂ	7.9	355810
237 AmourÂ	7.9	70382
238 The InsiderÂ	7.9	133526
239 The NotebookÂ	7.9	396396
240 Captain PhillipsÂ	7.9	323353
241 CrashÂ	7.9	361169
242 Boogie NightsÂ	7.9	189032
243 The Hobbit: An Unexpected JourneyÂ	7.9	637246
244 The Hobbit: The Desolation of SmaugÂ	7.9	483540
245 The Right StuffÂ	7.9	45271
246 TakenÂ	7.9	483756
247 The Hateful EightÂ	7.9	272839
248 Before MidnightÂ	7.9	95362
249 The World's Fastest IndianÂ	7.9	44198
250 Do the Right ThingÂ	7.9	59524

### Top Foreign Language Movies

imdb_top_250	✓ imdb ✓ n	um_voted_users 💌 language 拜
The Good, the Bad and the UglyÂ	8.9	503509 Italian
Seven SamuraiÂ	8.7	229012 Japanese
City of GodÂ	8.7	533200 Portuguese
Spirited AwayÂ	8.6	417971 Japanese
The Lives of OthersÂ	8.5	259379 German
Children of HeavenÂ	8.5	27882 Persian
A SeparationÂ	8.4	151812 Persian
OldboyÂ	8.4	356181 Korean
Princess MononokeÂ	8.4	221552 Japanese
AmélieÂ	8.4	534262 French
Baahubali: The BeginningÂ	8.4	62756 Telugu
Das BootÂ	8.4	168203 German
MetropolisÂ	8.3	111841 German
DownfallÂ	8.3	248354 German
The HuntÂ	8.3	170155 Danish
IncendiesÂ	8.2	80429 French
Pan's LabyrinthÂ	8.2	467234 Spanish
Howl's Moving CastleÂ	8.2	214091 Japanese
The Secret in Their EyesÂ	8.2	131831 Spanish
The Sea InsideÂ	8.1	64556 Spanish
Amores PerrosÂ	8.1	173551 Spanish
Tae Guk Gi: The Brotherhood of WarÂ	8.1	31943 Korean
Elite SquadÂ	8.1	81644 Portuguese
AkiraÂ	8.1	106160 Japanese
The CelebrationÂ	8.1	65951 Danish
Waltz with BashirÂ	8	46107 Hebrew
My Name Is KhanÂ	8	69759 Hindi
A Fistful of DollarsÂ	8	147566 Italian
PersepolisÂ	8	70194 French
Central StationÂ	8	28951 Portuguese
Crouching Tiger, Hidden DragonÂ	7.9	217740 Mandarin
/-: ·- /-: ·· /-: ·- /-		/-1 /-1 .

7.9	44151 French
7.9	132149 Japanese
7.9	44763 Romanian
7.9	38215 Spanish
7.9	70382 French
	7.9 7.9 7.9

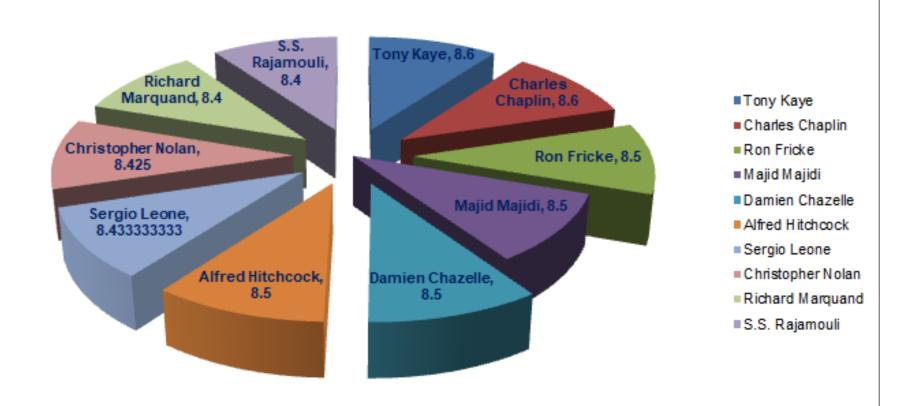
D.Your task: Find the best directors

Solution: Clicked on Pivot table its automatically selected the range of table after clicking ok. I have drag the director column to the row Label and imdb\_score to the values. Rename the row label column to top10\_directors and got the mean of imdb\_score of every director and then sort the values column largest to smallest. Selected the top 10 director and transformed into chart.

#### **Output:**

top10_directors	mean of imdb_score
Tony Kaye	8.6
Charles Chaplin	8.6
Ron Fricke	8.5
Majid Majidi	8.5
Damien Chazelle	8.5
Alfred Hitchcock	8.5
Sergio Leone	8.433333333
Christopher Nolan	8.425
Richard Marquand	8.4
S.S. Rajamouli	8.4

#### mean of imdb\_score

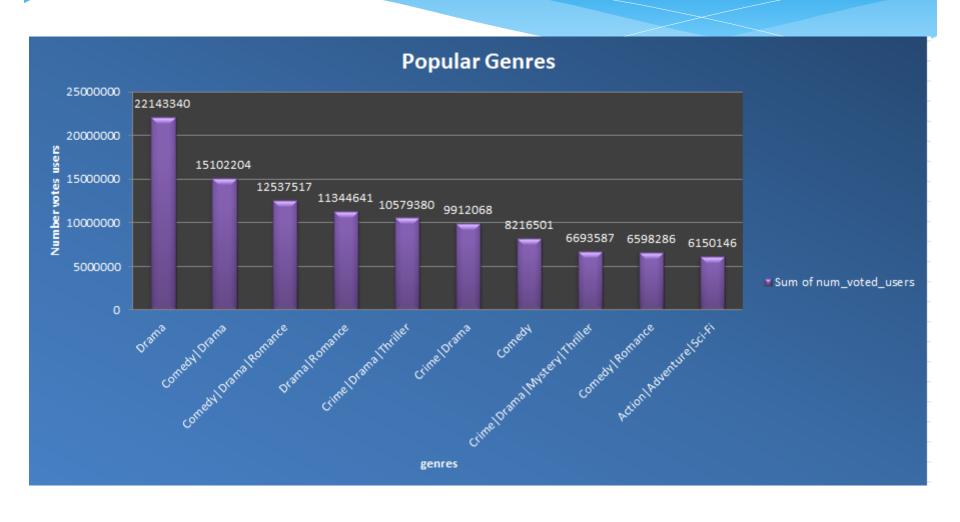


E. Your task: Find popular genres.

**Solution:** I have done the same thing just like task **D**. select the pivot table and drag genres column to row label and num\_voted\_user to the values field and then sort the sum of num\_voted\_user.

#### **Output:**

popular_genres	Sum of num_voted_users
Drama	22143340
Comedy Drama	15102204
Comedy Drama Romance	12537517
Drama   Romance	11344641
Crime   Drama   Thriller	10579380
Crime Drama	9912068
Comedy	8216501
Crime   Drama   Mystery   Thriller	6693587
Comedy Romance	6598286
Action   Adventure   Sci-Fi	6150146



F. Your task: Find the critic-favorite and audience-favorite actors
Solution: Created three column named Meryl\_Streep, Leo\_Caprio,
and Brad\_Pitt and then used formula "=IF([@[actor\_1\_name]]=
"Meryl Streep",[@[movie\_title]],"") and for leo\_Caprio and
Brad\_pitt same as well.
Created a "Combine" column and then use formula "
=(first\_cell)&""&(second\_cell)&""&(third\_cell)

#### Output:

#### actor\_1\_name= Meryl Streep

actor_1_name	✓ Meryl_Streep
Meryl Streep	The HoursÂ
Meryl Streep	Out of AfricaÂ
Meryl Streep	One True ThingÂ
Meryl Streep	Julie & JuliaÂ
Meryl Streep	The Devil Wears PradaÂ
Meryl Streep	A Prairie Home CompanionÂ
Meryl Streep	It's ComplicatedÂ
Meryl Streep	The Iron LadyÂ
Meryl Streep	The River WildÂ
Meryl Streep	Hope SpringsÂ
Meryl Streep	Lions for LambsÂ

### actor\_1\_name= Leonardo DiCaprio

actor_1_name	<b>▼</b> Leo_Caprio ▼
Leonardo DiCaprio	InceptionÂ
Leonardo DiCaprio	The DepartedÂ
Leonardo DiCaprio	Django UnchainedÂ
Leonardo DiCaprio	The Wolf of Wall StreetÂ
Leonardo DiCaprio	The RevenantÂ
Leonardo DiCaprio	Shutter IslandÂ
Leonardo DiCaprio	Blood DiamondÂ
Leonardo DiCaprio	Catch Me If You CanÂ
Leonardo DiCaprio	TitanicÂ
Leonardo DiCaprio	The AviatorÂ
Leonardo DiCaprio	Gangs of New YorkÂ
Leonardo DiCaprio	The Great GatsbyÂ
Leonardo DiCaprio	The Great GatsbyÂ
Leonardo DiCaprio	Revolutionary RoadÂ
Leonardo DiCaprio	Body of LiesÂ
Leonardo DiCaprio	Romeo + JulietÂ
Leonardo DiCaprio	Marvin's RoomÂ
Leonardo DiCaprio	J. EdgarÂ
Leonardo DiCaprio	The BeachÂ
Leonardo DiCaprio	The Man in the Iron MaskÂ
Leonardo DiCaprio	The Quick and the DeadÂ

### actor\_1\_name= Brad Pitt

actor_1_name 🛂 🔻 🔻	Brad_Pitt
Brad Pitt	Fight ClubÂ
Brad Pitt	True RomanceÂ
Brad Pitt	The Curious Case of Benjamin ButtonÂ
Brad Pitt	Ocean's ElevenÂ
Brad Pitt	FuryÂ
Brad Pitt	Interview with the Vampire: The Vampire ChroniclesÂ
Brad Pitt	BabelÂ
Brad Pitt	The Assassination of Jesse James by the Coward Robert FordÂ
Brad Pitt	TroyÂ
Brad Pitt	Seven Years in TibetÂ
Brad Pitt	Spy GameÂ
Brad Pitt	Sinbad: Legend of the Seven SeasÂ
Brad Pitt	The Tree of LifeÂ
Brad Pitt	Mr. & Mrs. SmithÂ
Brad Pitt	Ocean's TwelveÂ
Brad Pitt	Killing Them SoftlyÂ
Brad Pitt	By the SeaÂ

Mean of num\_critic\_for\_review and num\_users\_for\_review
And the actor which have highest mean.

Highest Mean num\_critic\_for\_reviews= Brad Pitt (218.82)

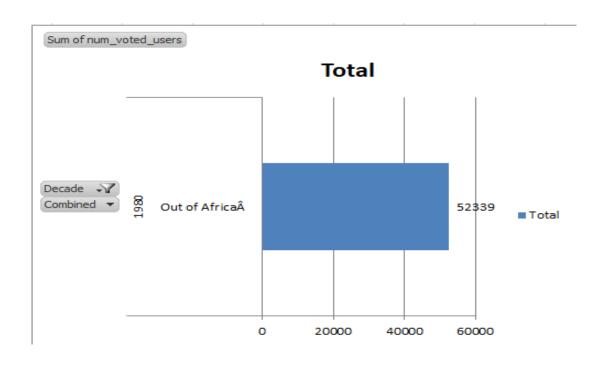
Highest Mean num\_users\_for\_review= Leonardo DiCaprio(914.47)

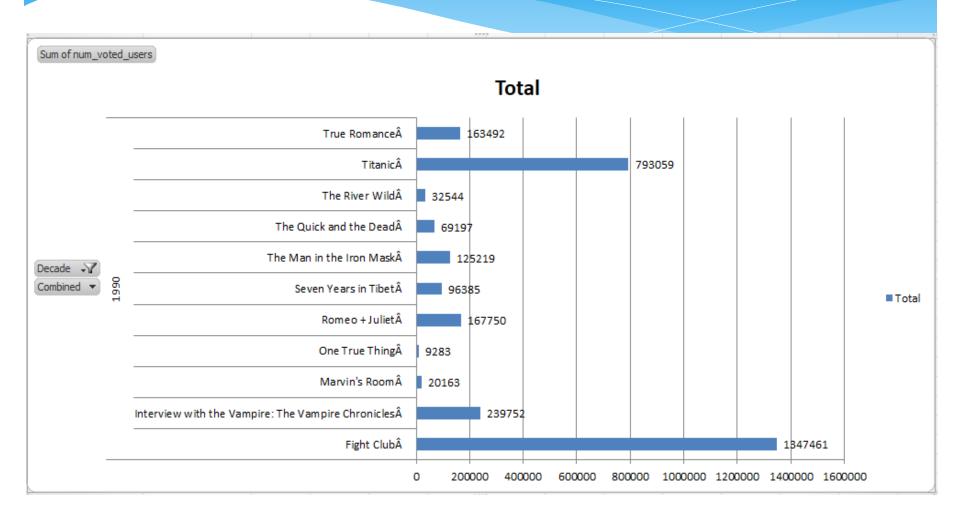
Meryl Streep					
num_criti	c_for_reviews	num_user	_for_reviews		
	120		660		
	161		200		
	575		112		
	129		277		
	219		631		
	28		280		
	77		214		
	423		350		
	283		69		
	130		178		
	93		298		
Mean		Mean			
	203.4545455		297.1818182		

			Leonardo	DeCap	orio		
num_	critic	for	_reviews	num_	user	for	_reviews
			297	,			2803
			46	5			2054
			535	5			1193
			157	,			1138
			579	)			1188
			130	)			964
			210	)			657
			252	2			667
			419	)			2528
			125	5			799
			140	)			1166
			275	5			753
			313	}			753
			175	5			414
			61				263
			118	3			506
			113	}			71
			177	,			279
			34	1			548
			91				244
			129	)			216
Mean	1			Mean	1		
		208	.3809524	ļ.		914	.4761905

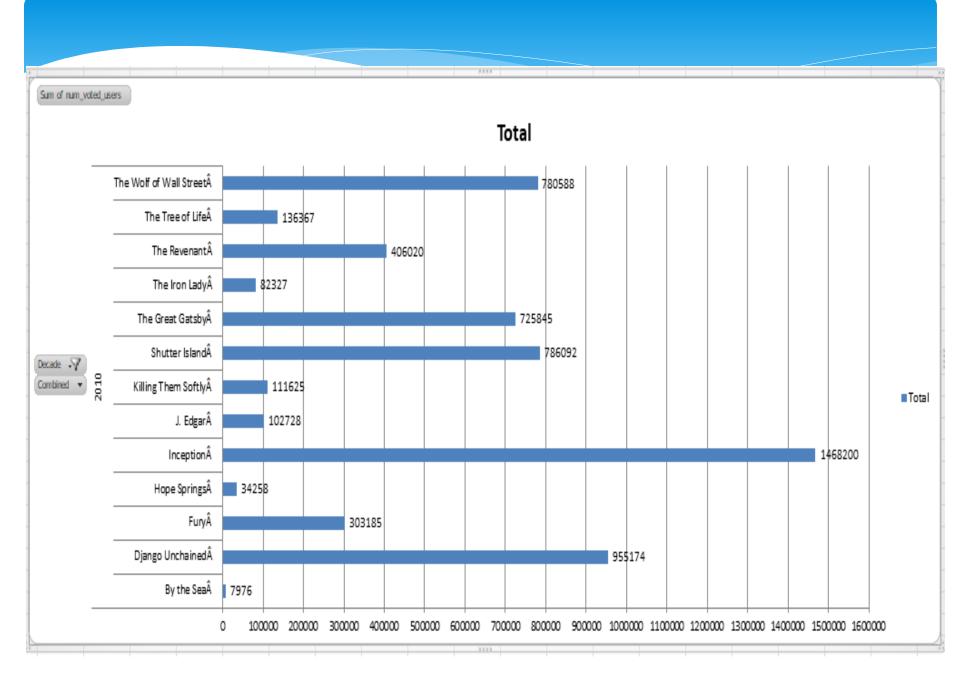
	<u>~</u>		**
	Brad	Pitt	
num_critic	_for_reviews	num_user_	_for_reviews
	223		2968
	89		460
	239		822
	29		845
	478		701
	120		406
	322		908
	393		415
	330		1694
	184		119
	358		361
	280		91
	192		975
	21		798
	25		627
	392		369
	45		61
Mean		Mean	
	218.8235294		742.3529412

Created a decade column where we extract the value of movie year on which decade movies were released.

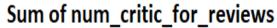


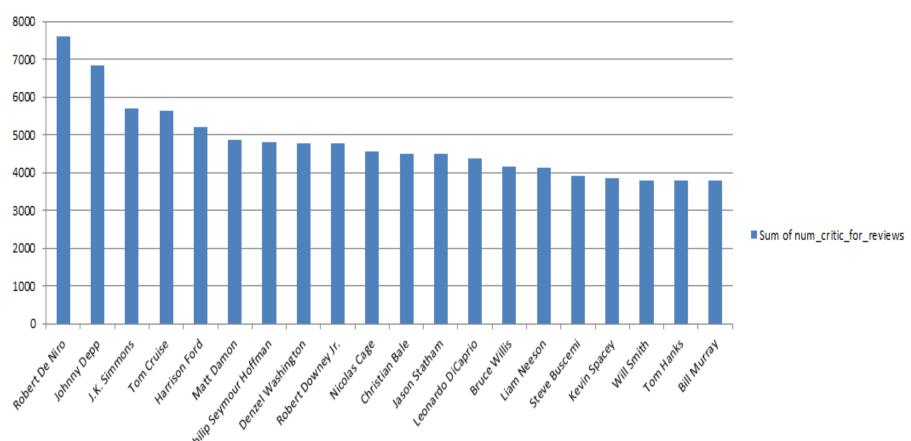


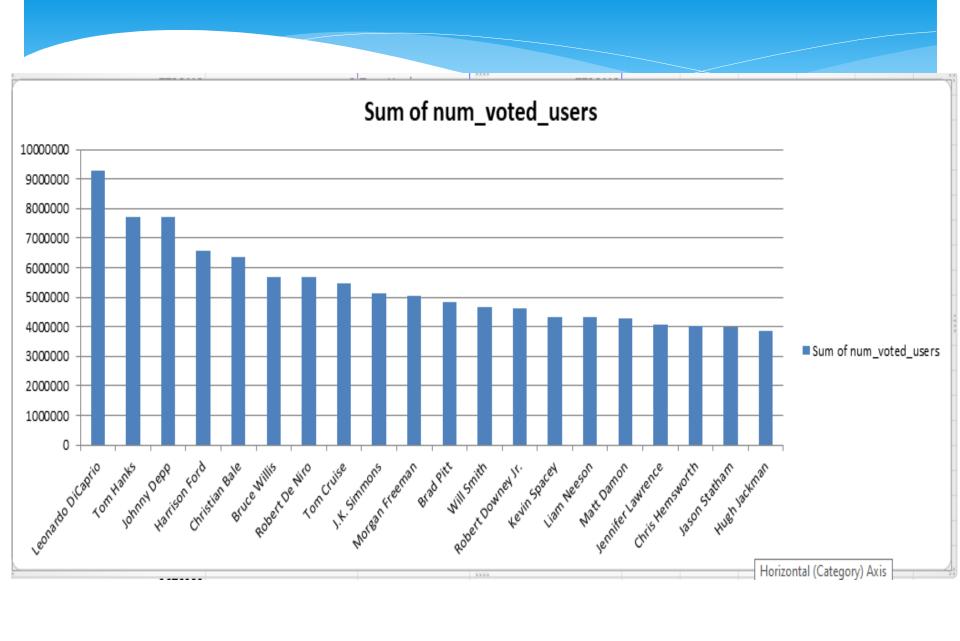
Sum of num\_voted\_users Total TroyÂ 381672 The HoursÂ 102123 Chart Area he Devil Wears PradaÂ 286178 The DepartedÂ 873649 The Curious Case of Benjamin ButtonÂ 459346 The BeachÂ **1**76169 The AviatorÂ 264318 The Assassination of Jesse James by the Coward Robert FordÂ 136104 Spy GameÂ 121259 Sinbad: Legend of the Seven SeasÂ 36144 Decade .7 Revolutionary RoadÂ 152\$91 Combined ▼ Ocean's TwelveÂ 284852 ■Total Ocean's ElevenÂ 402645 Mr. & Mrs. SmithÂ 348861 Lions for LambsÂ 41170 Julie & JuliaÂ 79264 It's ComplicatedÂ 69860 Gangs of New YorkÂ 314033 Catch Me If You CanÂ 525801 Body of LiesÂ 174248 Blood DiamondÂ 400292 BabelÂ 243799 A Prairie Home CompanionÂ 19655 100000 200000 300000 400000 500000 600000 700000 800000 900000 1000000 0



#### Find the critic-favorite and audience-favorite actors







### Result

Through this project, we were able to gain insights into various aspects of the movie industry such as popular genres, best directors, and favorite actors. By analyzing the data, we were able to identify patterns and trends that can help movie studios make informed decisions. We also learned how to use Excel to perform data analysis and visualization. Overall, this project helped us develop our skills in data analysis and provided us with a deeper understanding of the movie industry.

The Soul