IMDb Movie Analysis by Excel

Project description:

Here we are having IMDb dataset, contains movie names, director names, actors, movie ratings, year of movie released, number of votes, critic reviews. On the basis of this data we have to analyze top 250 movies, popular genres, top directors, distribution over year.

Approach:

- First understand the data as well as project description carefully.
- Familiarized with dataset ,what columns actually important , columns are more highlighted like movies .
- Cleaned the data, removed unwanted columns, blank rows.
- Example, color of the movie does not give more insight about movie we can get this information by year too, so no requirement of such columns.

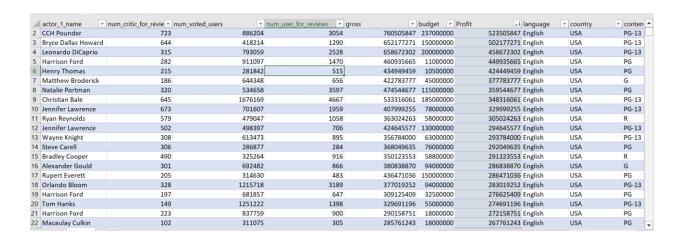
Tech-Stack:

Microsoft Excel 365 have used.

Insights:

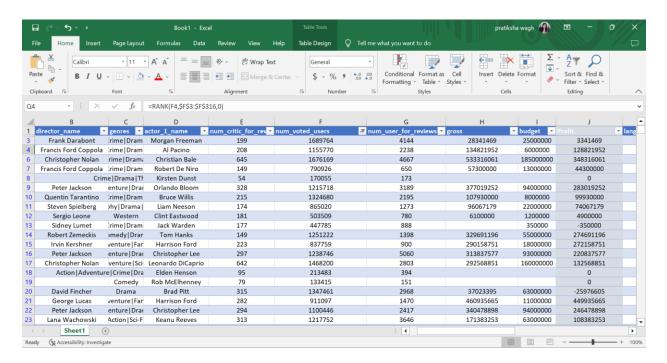
a) Cleaning the data: I have cleaned the data and removed duplicates also. I have used formattings for understanding each row and filtering too.





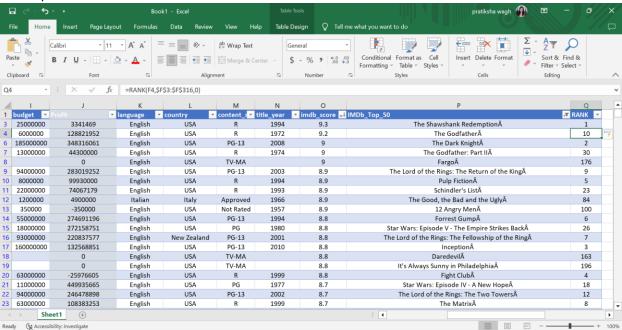
b) Movies with highest profit:

so here profit column have added to table by subtracting budget from gross. Negative profit shows loss.

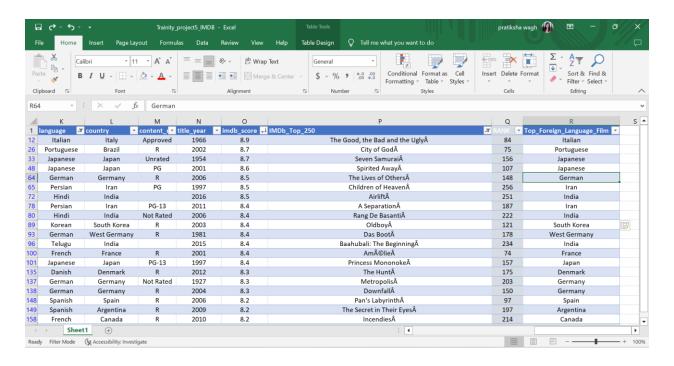


A	R
movie_title *	Profit T
Star Wars: Episode IV - A New HopeÂ	449935665
The Lion KingÂ	377783777
The Dark KnightÂ	348316061
DeadpoolÂ	305024263
Jurassic ParkÂ	293784000
Finding NemoÂ	286838870
The Lord of the Rings: The Return of the KingÂ	283019252
Star Wars: Episode VI - Return of the JediÂ	276625409
Forrest GumpÂ	274691196
Star Wars: Episode V - The Empire Strikes BackÂ	272158751
The Sixth SenseÂ	253501675
JawsÂ	252000000

c) Top 250 Movies: using IMDb score I have analyzed top 250 movies havinghigh score or ratings. After I found rank according to top 250 movies. And the 1st rank is of The Shawshank Redemption.

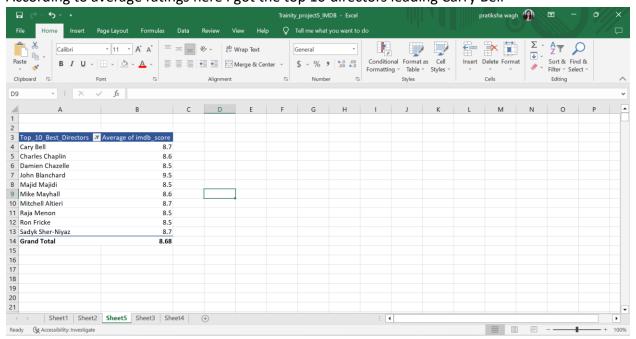


Again I analyzed foreign movies (no English) as follows.



d) Best directors

Here is the list of top 10 directors and their movies for which they got high ratings. According to average ratings here I got the top 10 directors leading Carry Bell



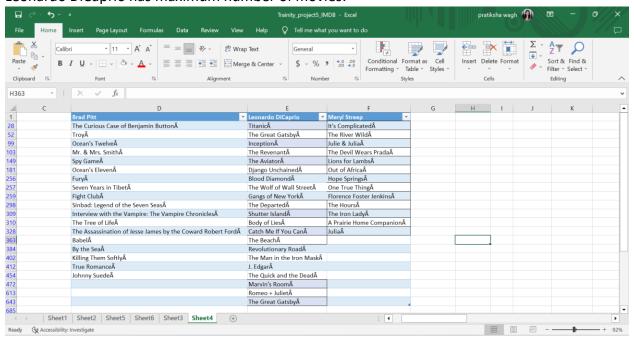
e) Popular genres:

Popular genres by using movies list and imdb ratings

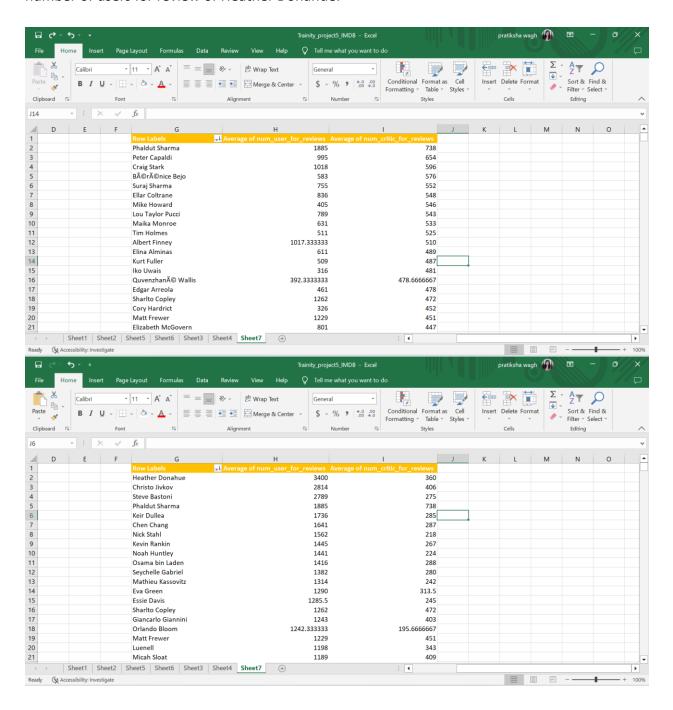
	А	В	С
1	imdb_score	(Multiple Items)	
2			
3	popular_genres	Average of imdb_score	
4	Action Adventure Drama Fantasy	8.8	
5	Western	8.75	
6	Action Biography Drama History	8.7	
7	Comedy Horror Thriller	8.7	
8	Family	8.6	
9	Drama Family Fantasy Romance	8.6	
10	Action	8.6	
11	Crime Drama Horror Thriller	8.6	
12	Action Drama History Thriller War	8.5	
13	Horror Sci-Fi	8.5	
14	Crime Drama Fantasy Mystery	8.5	
15	Adventure Animation Drama Family Musical	8.5	
16			
17			
18			

f) Charts: critic favorite actors and audience favorite:

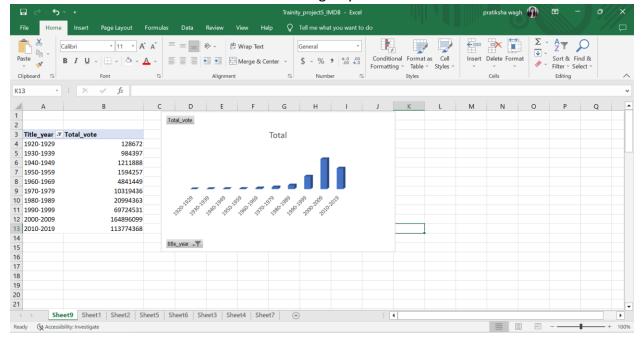
I grouped three actors by their movies in which they were lead actors. Leonardo DiCaprio has maximum number of movies.



Average number of critic for review of Phaldut Sharma actor along with that, average number of users for review of Heather Donahue.



I have finally created one chart using pivot table, pivot charts as follows: Which shows sum of numbers of votes according to year in which movie has released.



Results:

I have analyzed the data by using excel, pivoting. Lot of factors affecting the popularity of movies. This project help me to build my analytical skills and gave me more insights in business or real time projects.