

Case study on Power BI: IMDb Analysis

Case studies for Business Analysts



IMDb Rating Dataset

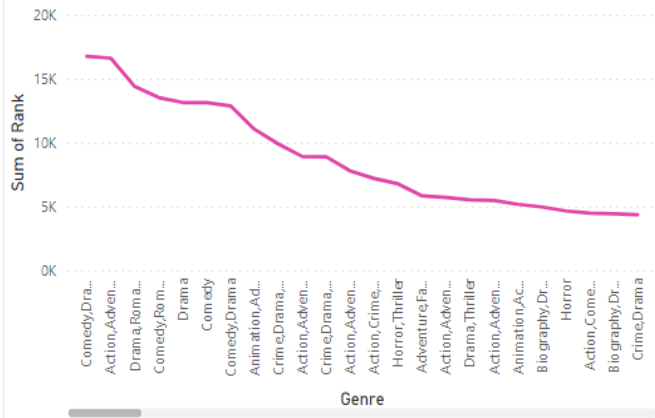
The following data is on IMDb ratings of movies from 2006-2016. They are categorized based on the Title, Genre, Description, Directors, Actors, Year, Runtime(minutes), Rating, Votes, Revenue(millions), and Metascore.

1. Load the (.csv) data onto Power BI.
2. Transform the data, then remove the Description and Metascore columns.
3. Then remove any blank items or errors from every column & then close & apply.
4. Create a Line Chart containing the Genre and Rank data.
5. Customize this visual to make it better using the 'Format your Visual' option.
6. Create another visual using a Line and Clustered Column Chart with the Title and Revenue(millions) and give it a violet colour.
7. Customize & format the visual to make it better.
8. Create a Clustered Bar Chart visual using the data Title and Total Votes.
9. You can customize the visual to make it better by using the 'Format your Visual' option.
10. Create a Ribbon Chart between the Title and Rating.
11. Then customize & format the visual to make it better.
12. Create a Clustered Column Chart of Director and Revenue.
13. Customize & format the visual to make it better.
14. Customize and format all the charts into a dashboard with a standard color theme and font.

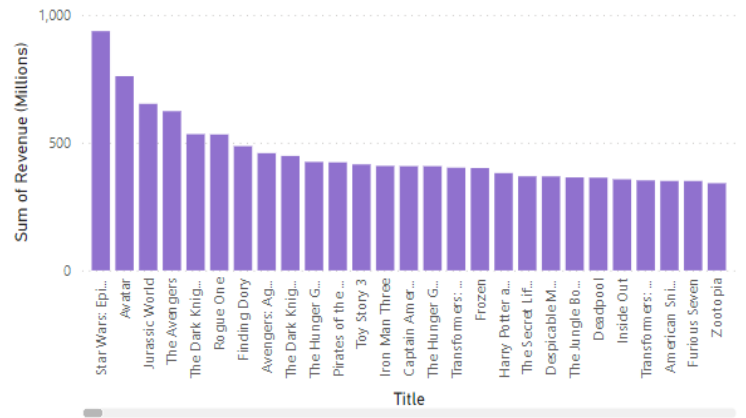
After completing the above exercise, you can share the Power BI file with me.

Solution On Power BI:

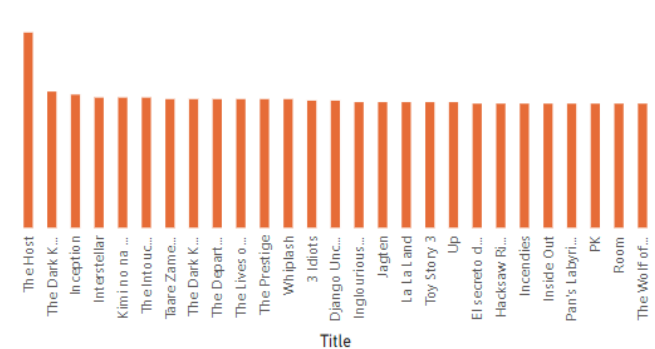
Sum of Rank by Genre



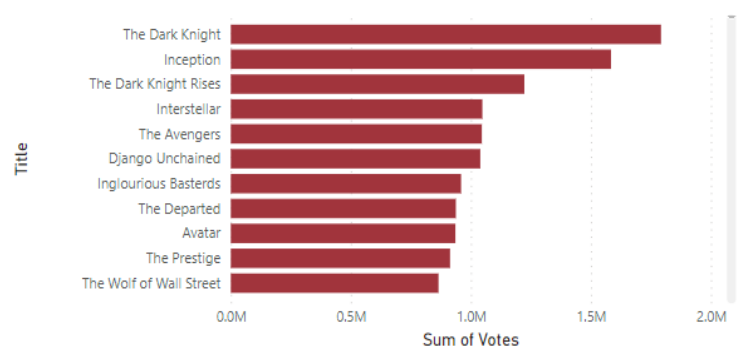
Sum of Revenue (Millions) by Title



Sum of Rating by Title

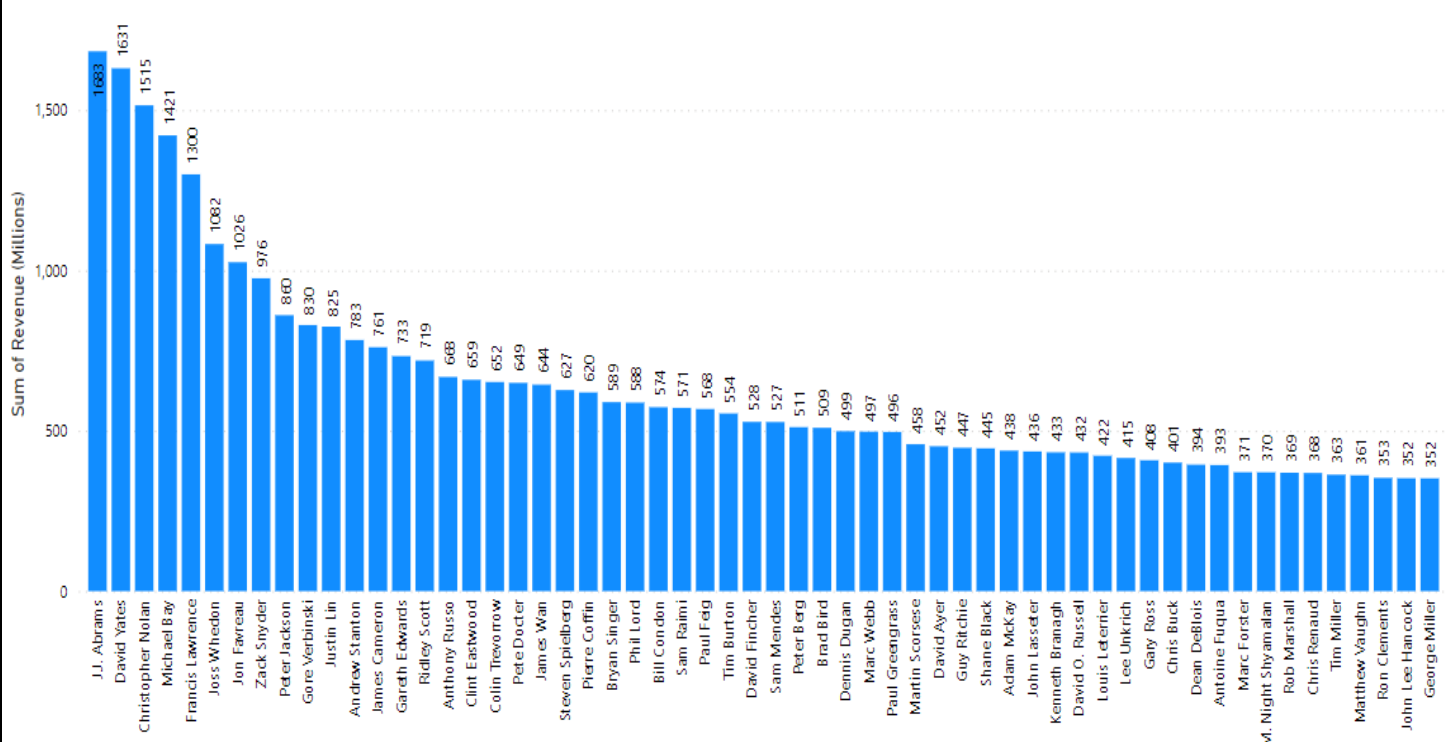


Sum of Votes by Title



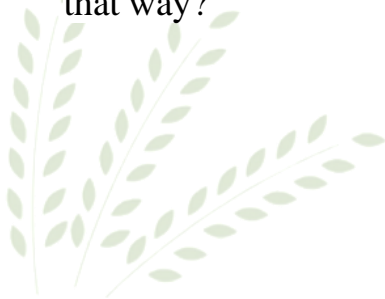
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Sum of Revenue (Millions) by Director



Conclusion:

1. By using the Line Chart, we got the genre that was ranked best from 2006-2016.
 2. Using a Line and Clustered Column Chart, we obtained the movie with the highest revenue.
 3. To obtain which movie was voted topmost by the people, we used Clustered Bar Chart.
 4. We obtained the movie which was top-rated as per the IMDb rating by using Ribbon Chart.
 5. Clustered Column Chart was used to obtain which director earned the most revenue from 2006-2016.
- According to the data and your analysis, what do you think is the relation between the movie's revenue and its IMDb rating, and why do you think it is that way?



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