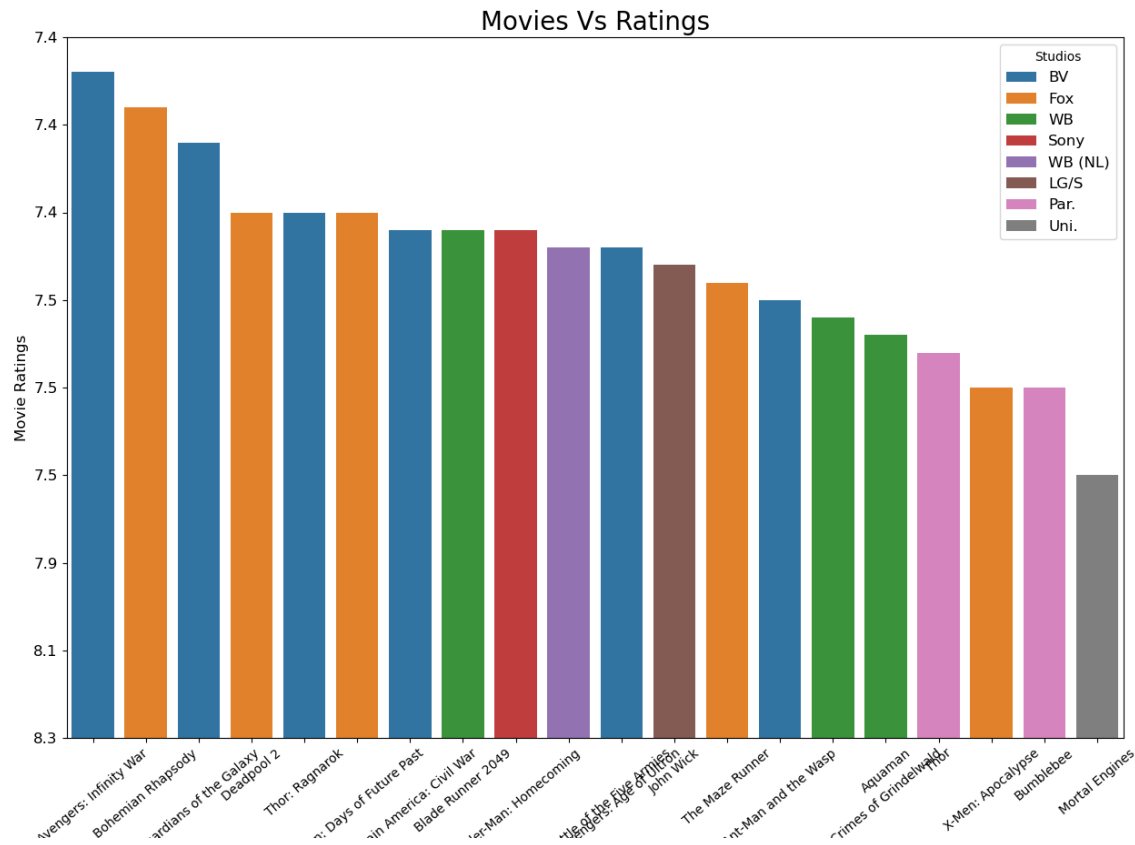
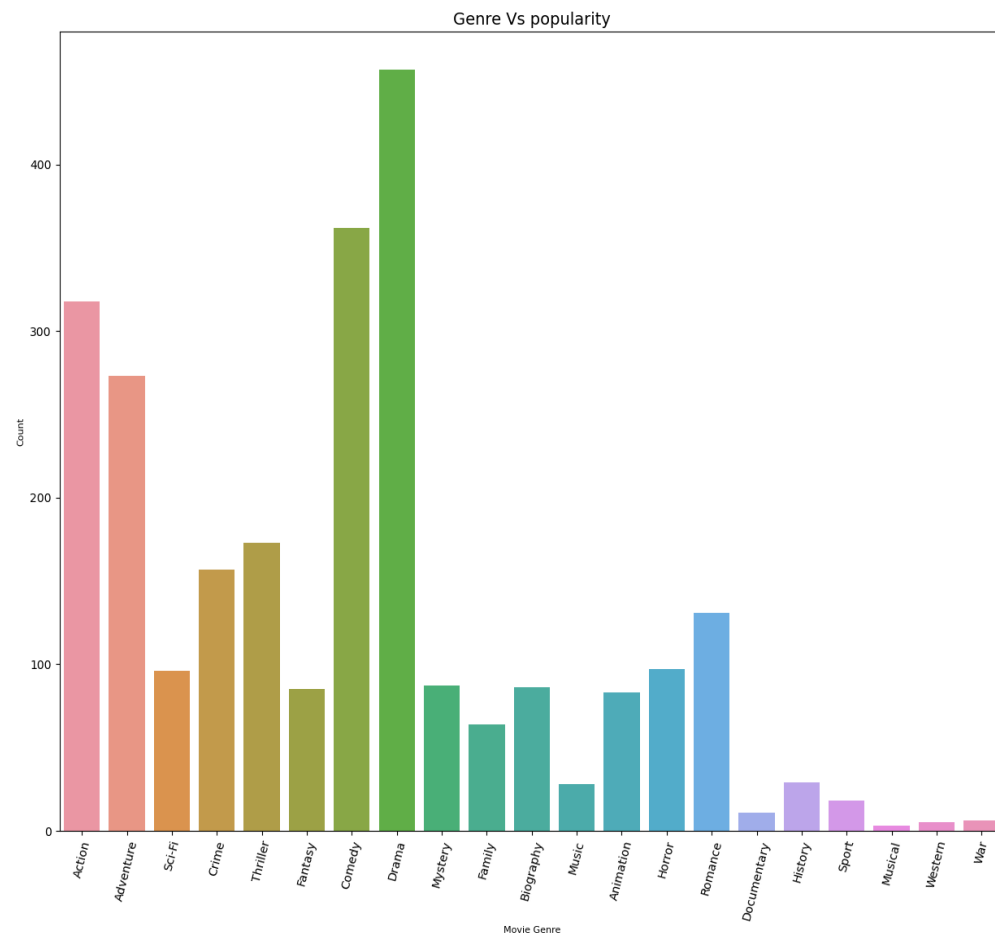


REPORT



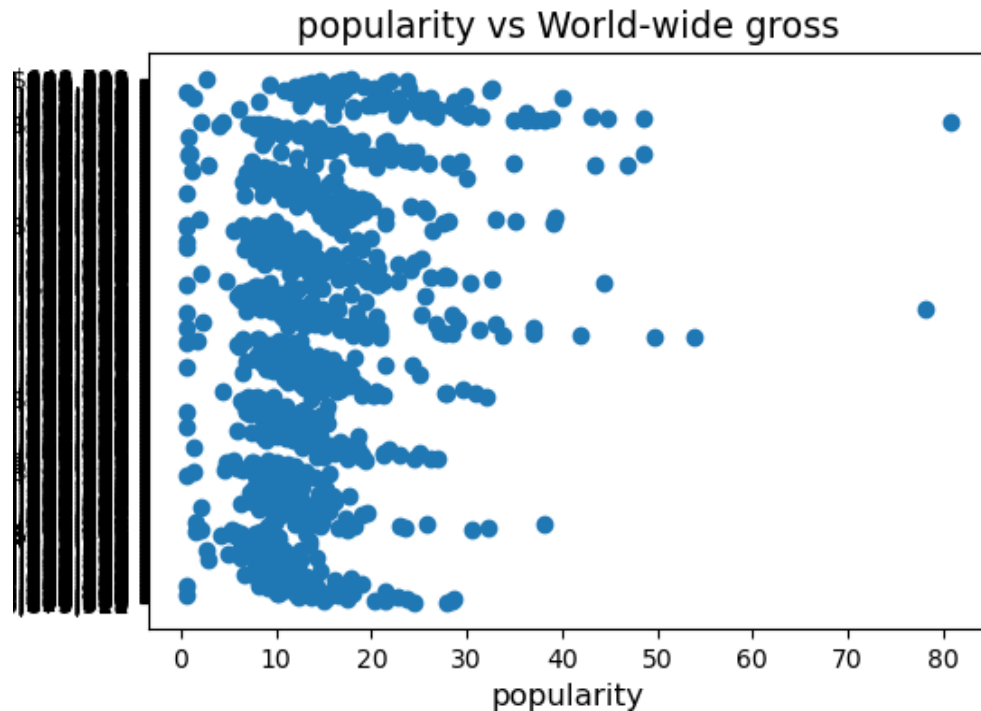
- The graph above is a bar plot that visualizes the ratings of movies produced by different studios. Here's an explanation and conclusion I made from the graph; the X-axis labels display the names of these movies. While on the y axis, indicates the Movie Ratings: The height of each bar indicates the rating of the corresponding movie. Whereas the title of the graph is "Movies Vs Ratings," indicating that it compares movies based on their ratings. Overall, this graph provides a visual representation of how the ratings of movies vary across different studios, allowing viewers to compare the quality of movies produced by each studio. And the graph shows that avengers infinity wars has the highest ratings meaning its quality stands out



- The graph above is a bar plot that visualizes the popularity of different movie genres.
- The Movie Genres on the X-axis: Each bar represents a movie genre, and the X-axis labels display the names of these genres, while the Count of Movies lies on the Y-axis: The height of each bar indicates the count of movies belonging to the corresponding genre. The Y-axis labels represent the number of movies. Whereas The title of the graph is Genre Vs Popularity, which indicates that it compares movie genres based on their popularity. Overall, this graph provides a visual representation of the popularity distribution among different movie genres, and drama drama stands out to be the most popular genre

Popularity vs worldwide gross

Graph

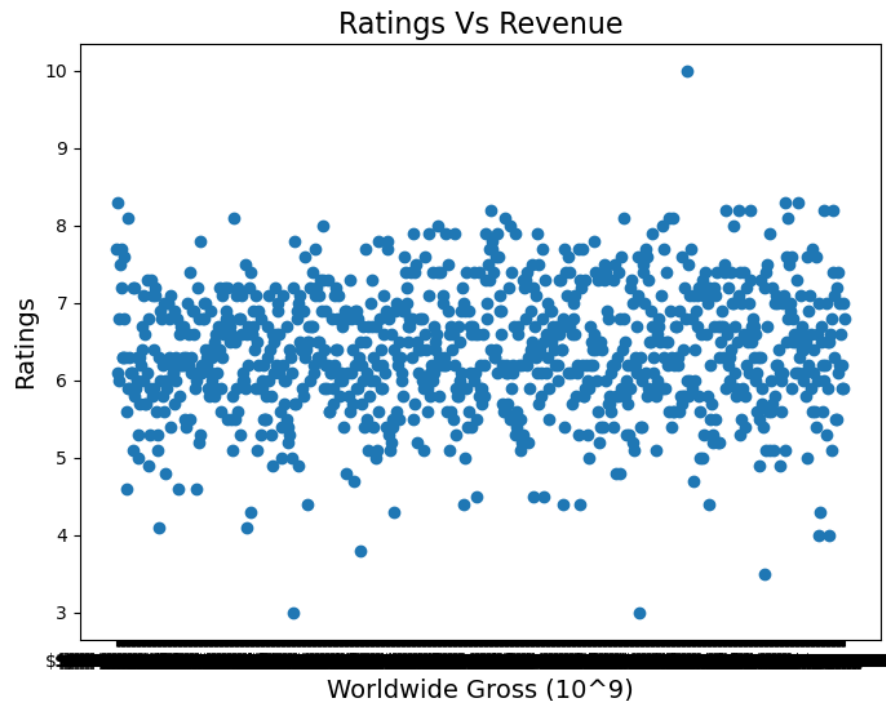


Explanation

- X-axis, Popularity: This axis represents the popularity score of each movie. Popularity is typically measured based on factors such as audience engagement, social media mentions, or online ratings. A higher score indicates a higher level of popularity among viewers. This axis on the other hand shows the worldwide gross revenue generated by each movie. Worldwide gross revenue reflects the total earnings from ticket sales across all regions globally. Movies with higher revenue are positioned higher on the Y-axis. The fact that the scatterplot points are concentrated at one place suggests a strong positive correlation between popularity and worldwide gross revenue. This means that as the popularity of a movie increases, its worldwide gross revenue also tends to increase.
-
- The data points form a tight cluster, indicates that most movies in the dataset have similar popularity and revenue levels. This implies that certain factors, such as genre, release timing, or marketing strategies, have a consistent impact on both popularity and revenue across different movies. We have some outliers which represents movies that have unusually high or low popularity relative to their revenue. Overall, a scatter plot with concentrated data points suggests a clear relationship between movie popularity and worldwide gross revenue, indicating that popular movies tend to be more financially successful on a global scale.

Ratings Vs Revenue

Graph



Explanation

- A scatter plot that is widely distributed yet highly concentrated suggests a complex relationship between the variables being plotted. In this case, the scatter plot illustrates the relationship between movie ratings and revenue. This axis represents the ratings of each movie, which typically reflect the critical acclaim or audience reception. Higher ratings indicate a more favorable perception of the movie's quality. The vertical axis shows the revenue generated by each movie. Revenue represents the financial success of the movie, typically measured in terms of ticket sales or box office earnings.
- The fact that the scatter plot is widely distributed suggests that there is variability in both movie ratings and revenue across the dataset. Movies with a wide range of ratings and revenue levels are included in the dataset. Despite the wide distribution, the scatter plot is highly concentrated in certain areas. This concentration suggests that there are clusters of movies that share similar ratings and revenue levels. These clusters may indicate patterns or trends within the dataset.
- The scatter plot's complexity suggests that the relationship between ratings and revenue is nuanced. While there may be a general trend indicating that higher-rated movies tend to generate more revenue, other factors likely influence the relationship. These factors could include genre, marketing strategies, release timing, and audience demographics. Overall, the widely distributed yet highly concentrated scatter plot indicates a complex relationship between movie ratings and revenue, suggesting that multiple factors contribute to a movie's financial success beyond just its critical acclaim.

Recommendation