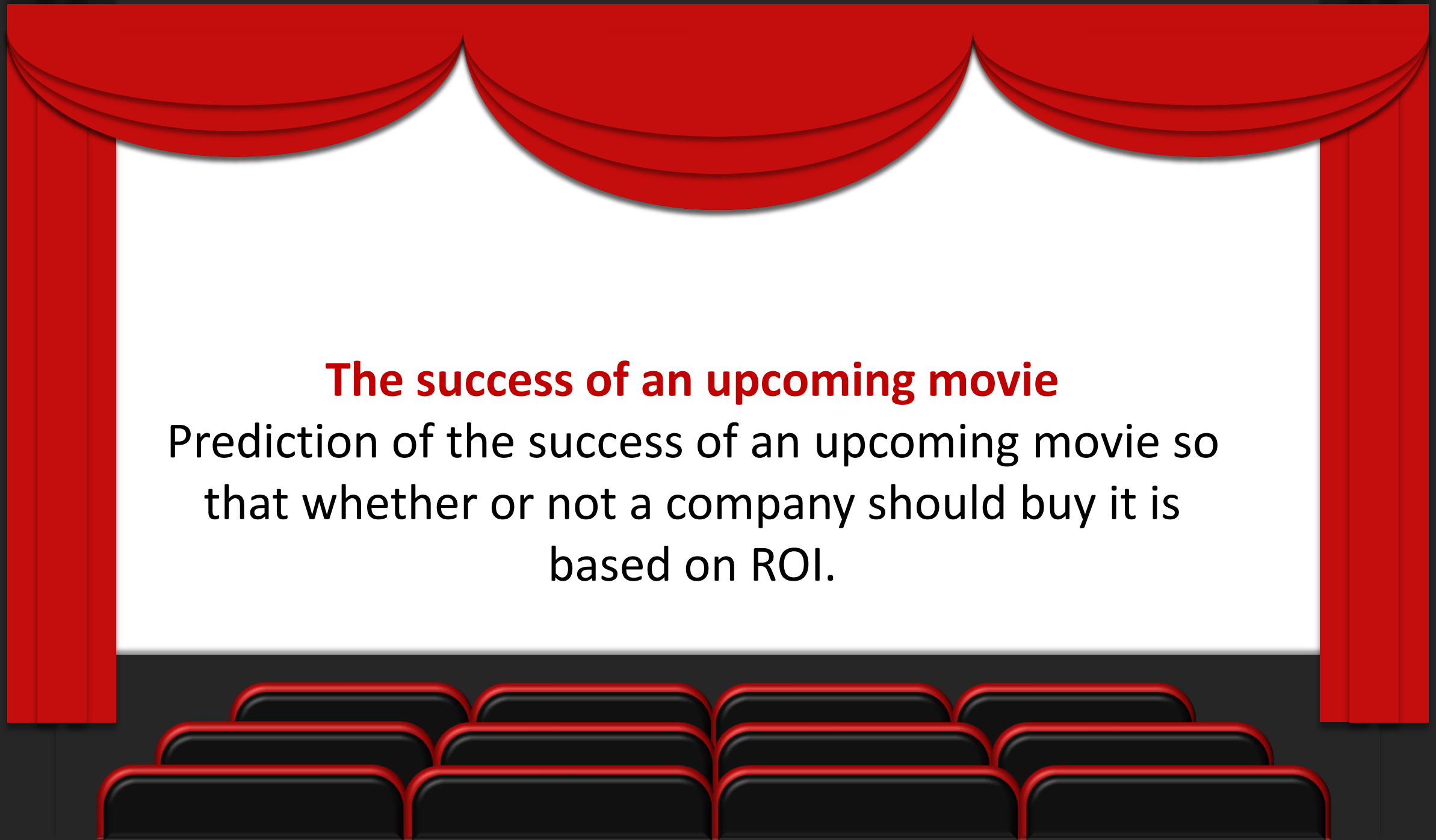
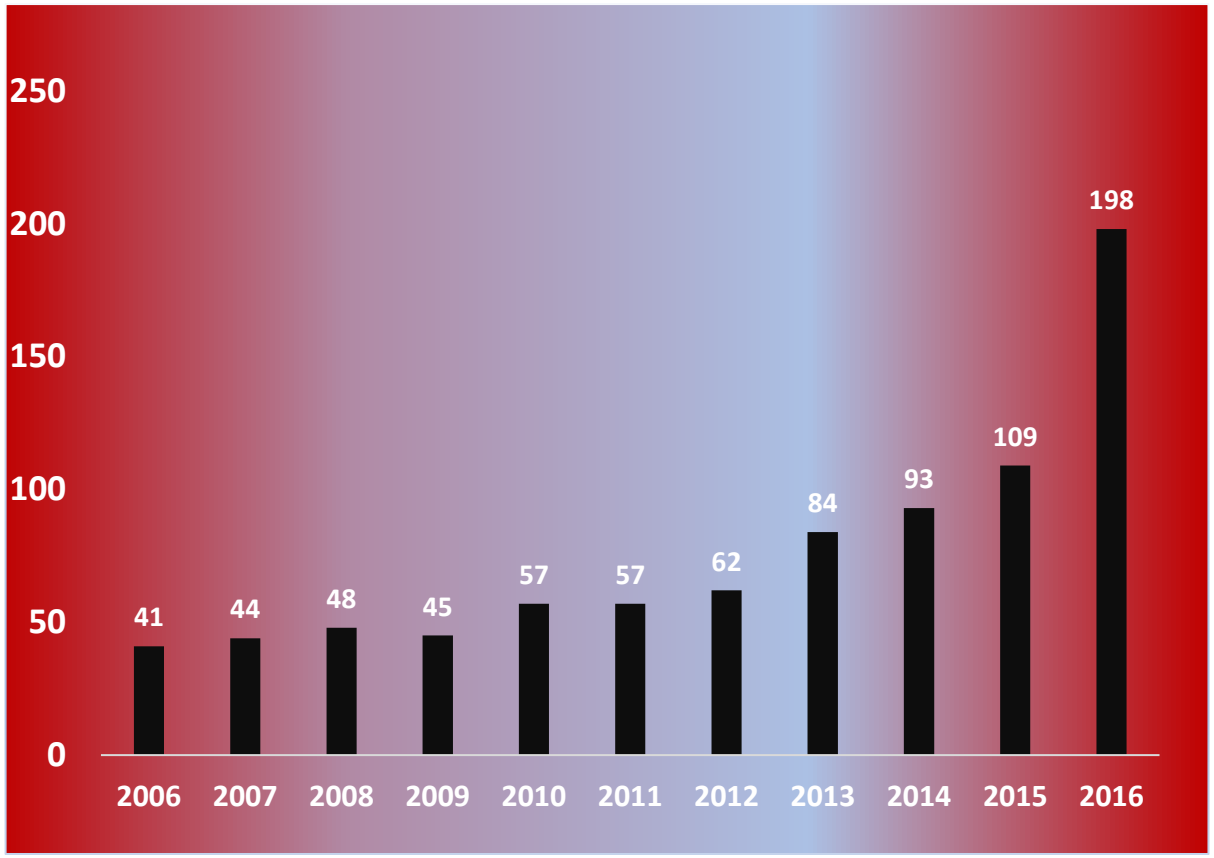
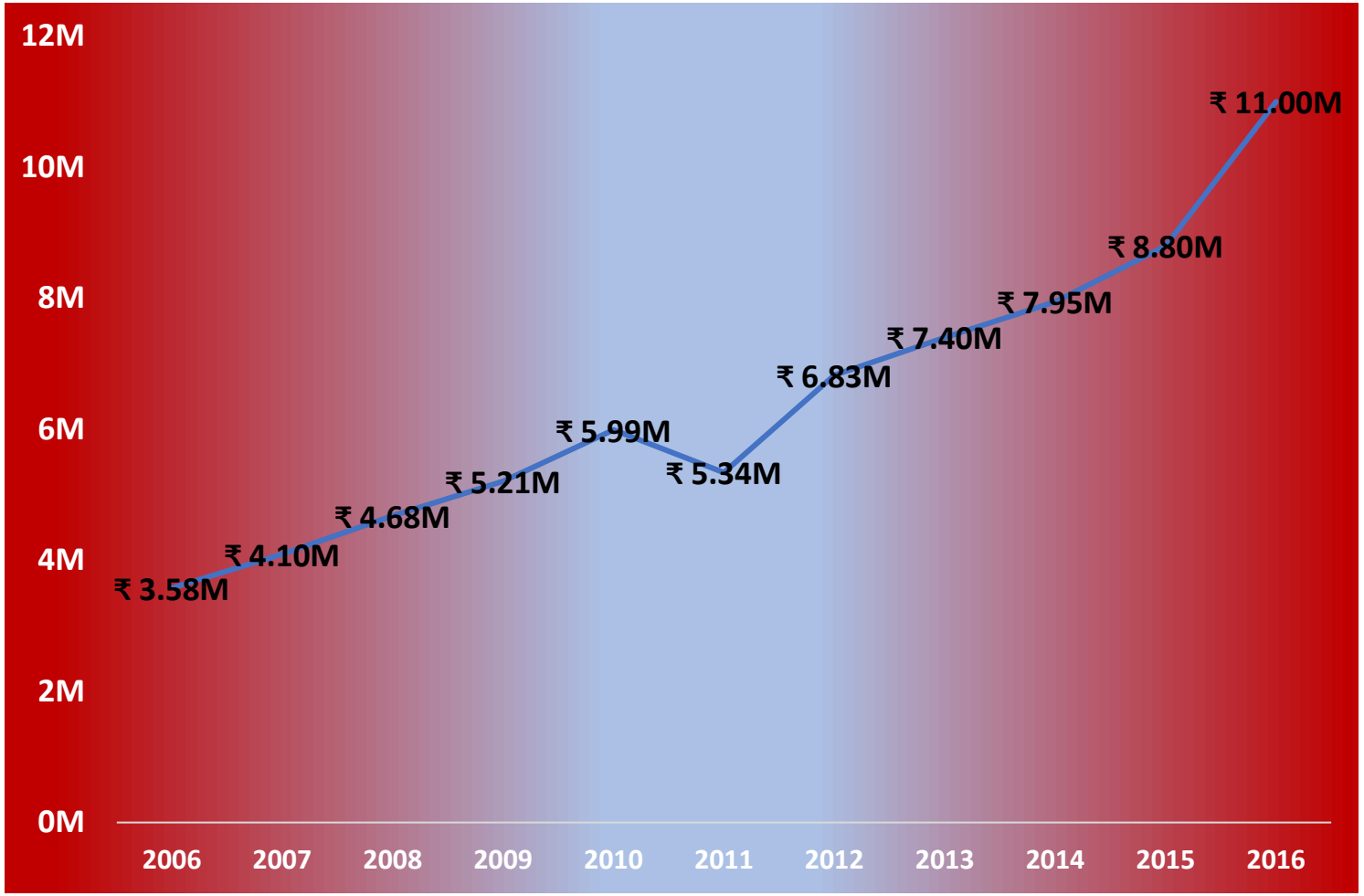
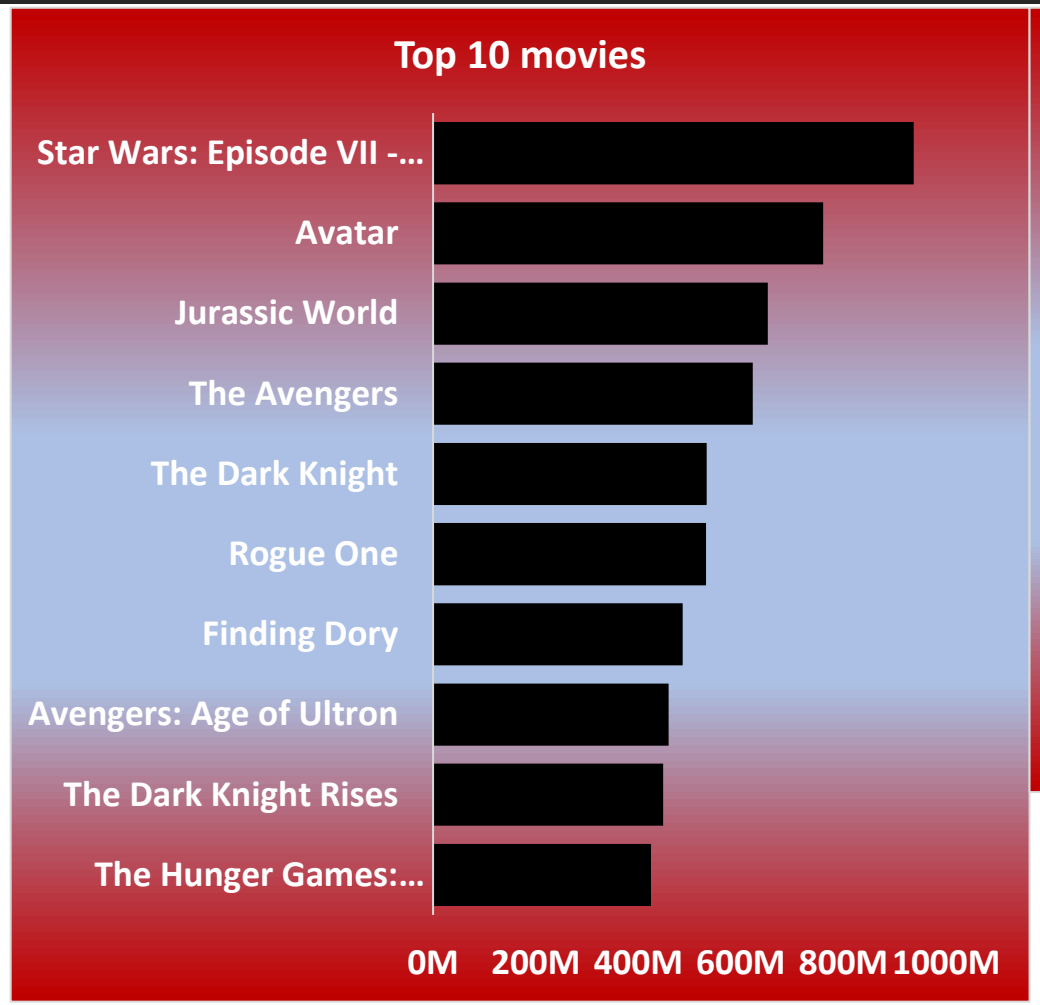

The success of an upcoming movie
Prediction of the success of an upcoming movie so that whether or not a company should buy it is based on ROI.

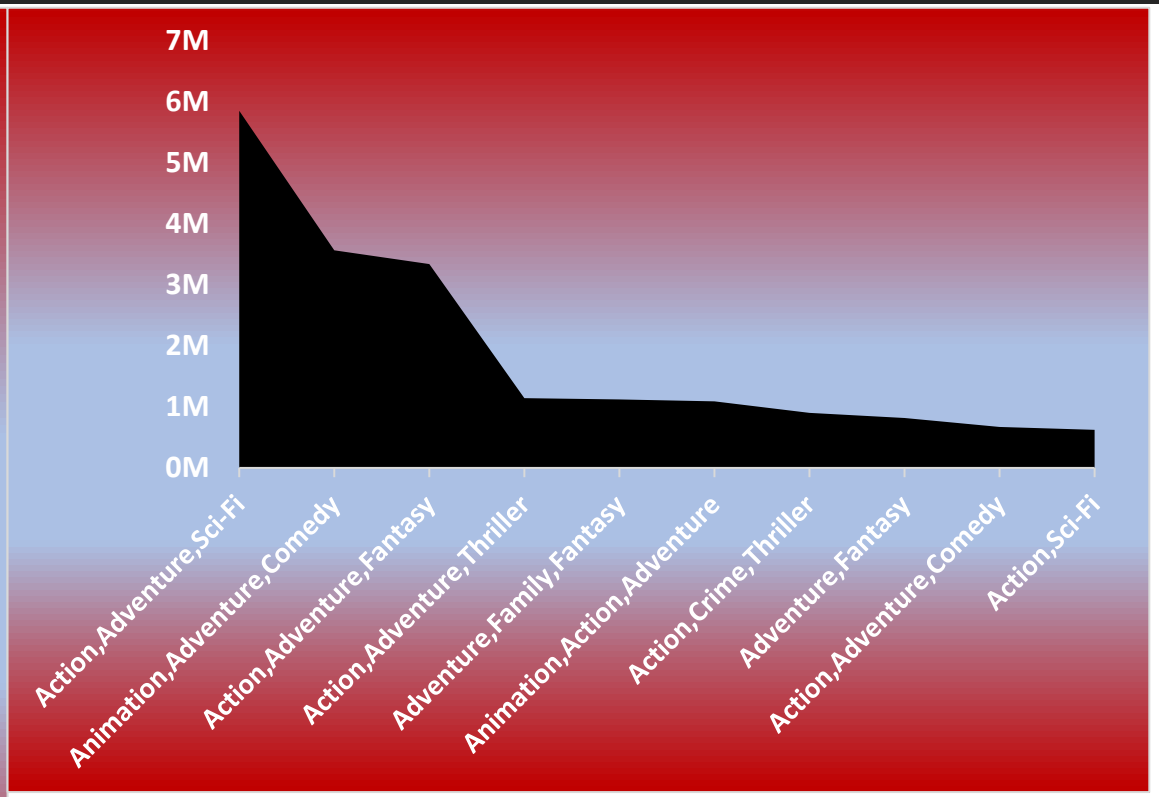


The dataset comprises a total Count of 838 movies spanning the time frame from 2006 to 2016.



Over the period of 2006 to 2016, the dataset encompasses a substantial collection of 838 movies, collectively contributing to a noteworthy total revenue of 70,865.1 million.



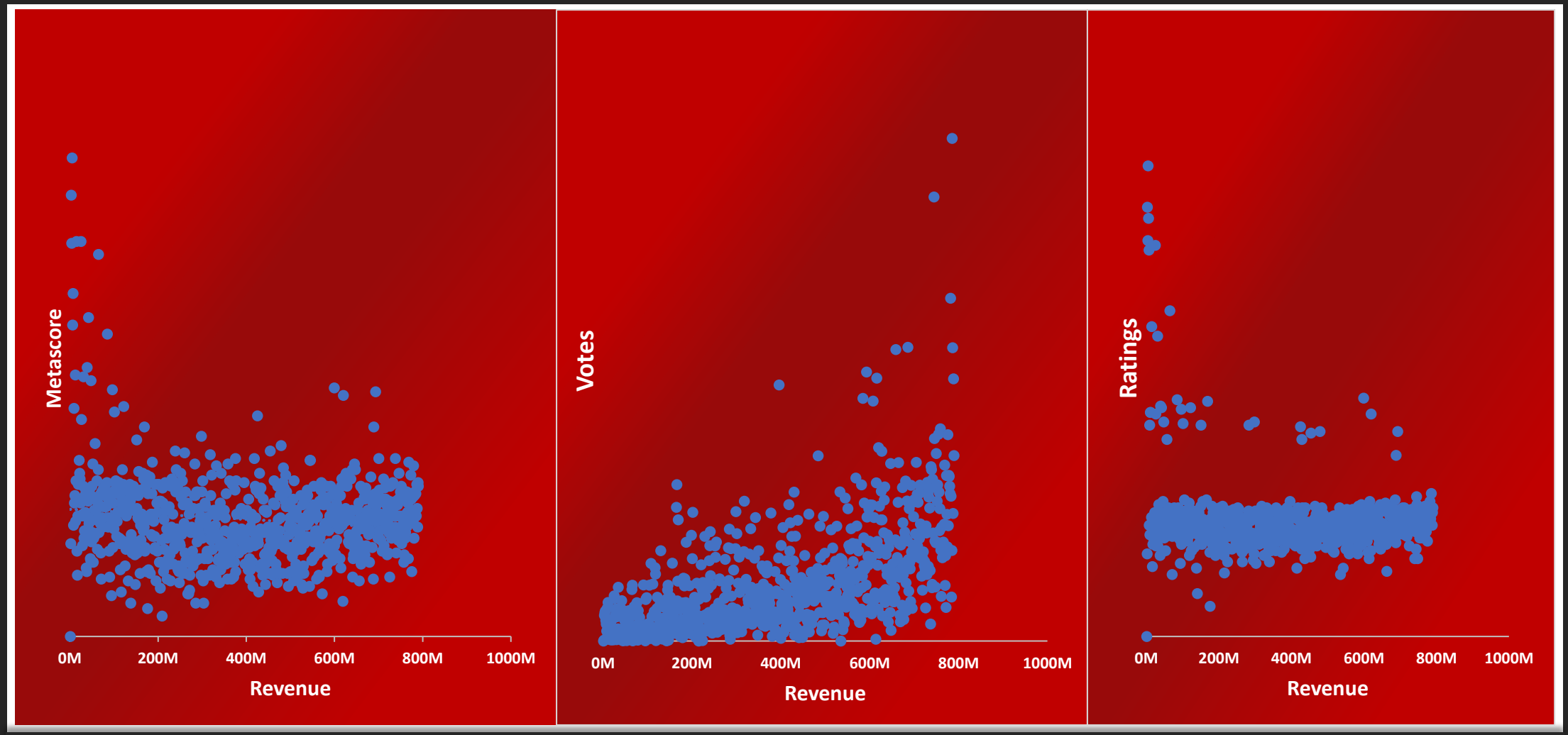


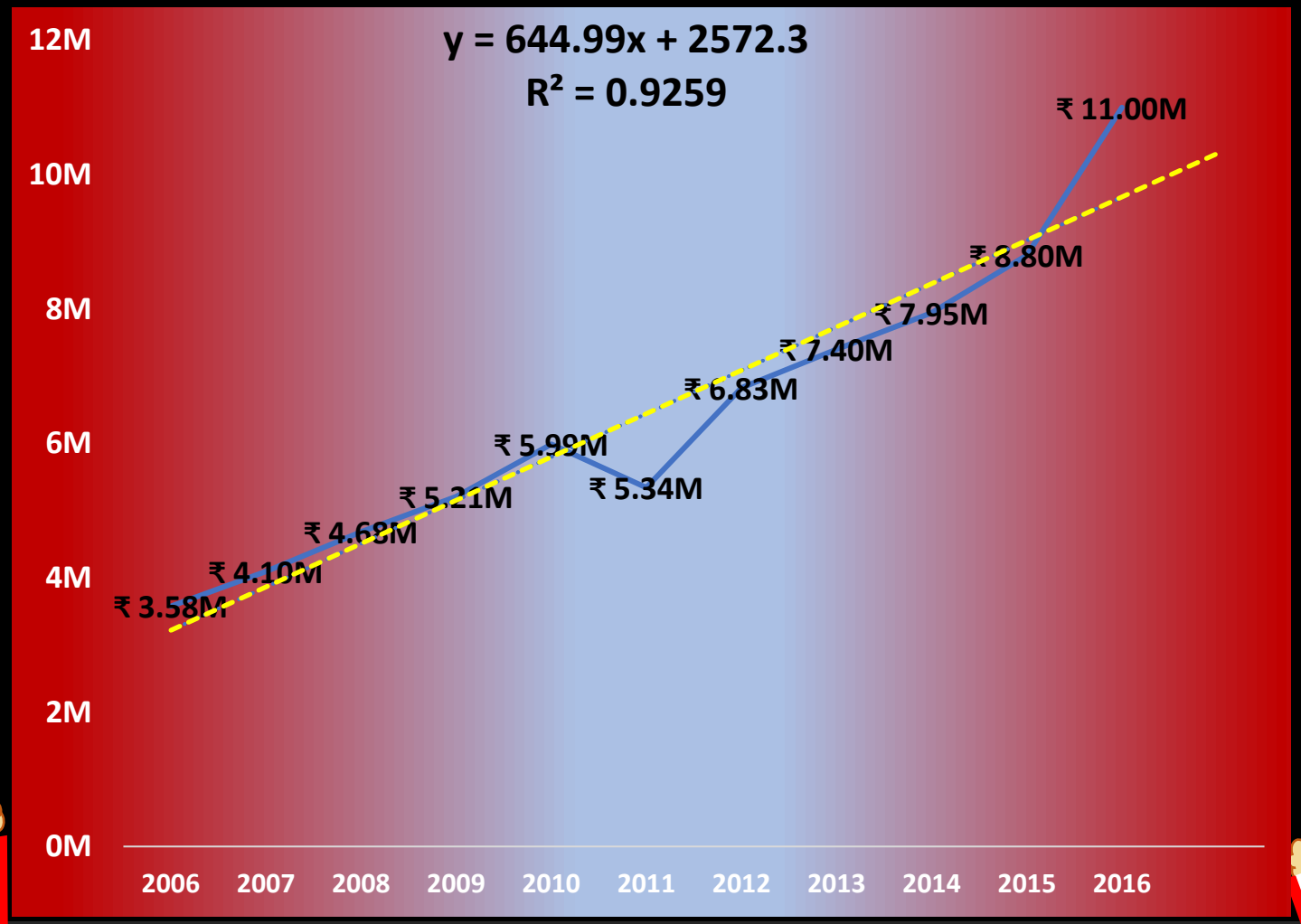
The genres of Action, Adventure, and Sci-Fi emerge as the frontrunners in terms of revenue contribution, substantiating their prominent role in the cinematic landscape. These genres have demonstrated their prowess by yielding the highest revenues, highlighting their appeal to audiences and their significant impact on the financial success of films.

Predicting the success of an upcoming movie for investment purposes can be a complex task that involves various factors such as genre, cast, marketing strategy, competition, Metascore, Ratings, Reviews, Votes, Runtime, and more. Building a predictive model using historical data can help in making an informed decision.

To visualize these factors and their relationship with revenue generation, a scatter plot can be an effective tool.

The scatter plot depicting Meta score, Ratings, and Votes against Revenue revealed a Concentrated & tight cluster of data points with a limited number of outliers. This suggests a strong positive correlation between these factors for revenue generation.

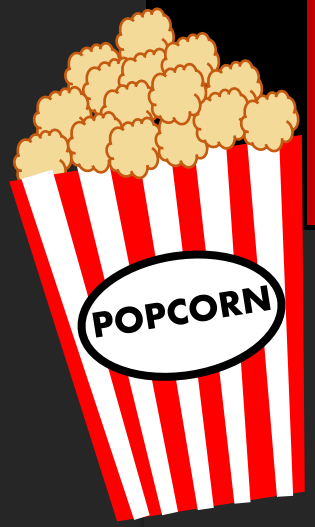

Metascore
0M
200M
400M
600M
800M
1000M
Revenue
Votes
0M
200M
400M
600M
800M
1000M
Revenue
Ratings
0M
200M
400M
600M
800M
1000M
Revenue

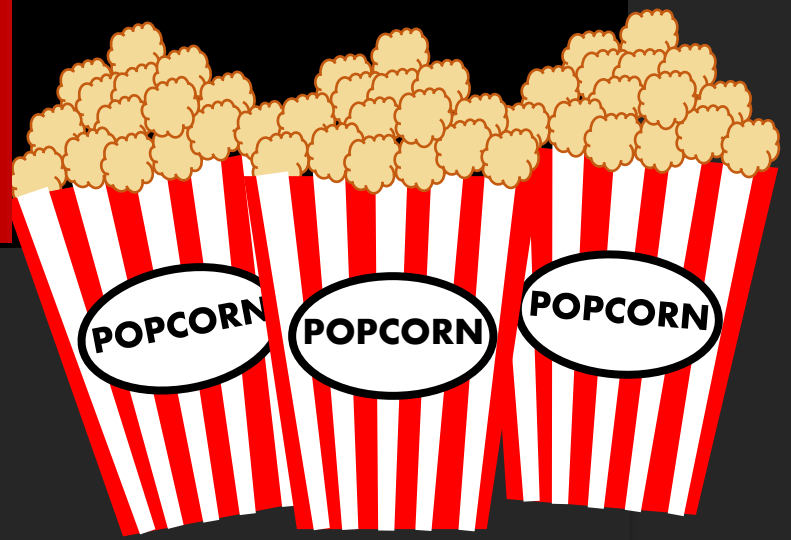


Regression Statistics :
R Square is 0.925863607

Metascore, Ratings, and Votes are indeed strong predictors of revenue, and the model is explaining a substantial amount of the variability in revenue based on these factors.

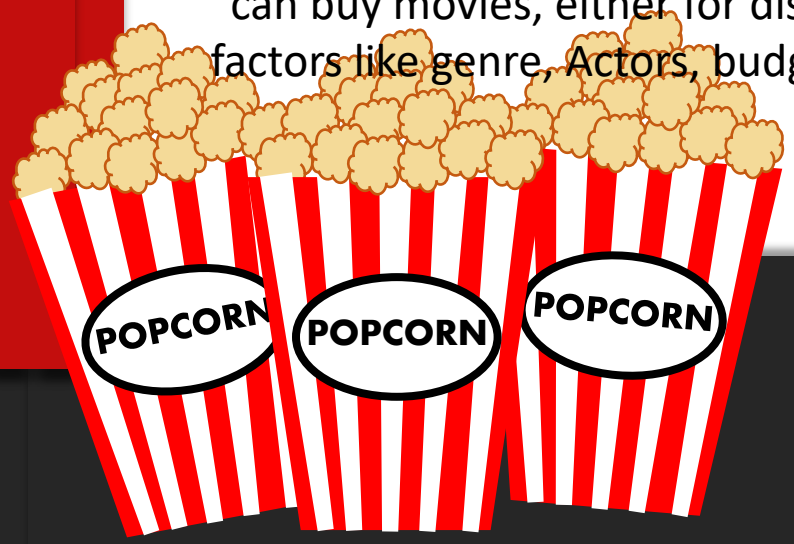
predicted revenue of approximately 10.32 million.

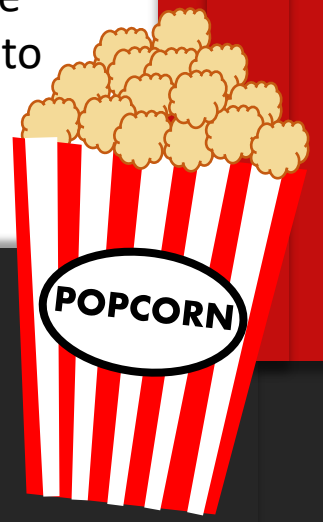




Experimental Outcome: The regression model conducted in Microsoft Excel yielded a predicted revenue of approximately 10.32 million. This projection was attained through the utilization of key independent variables, such as Meta score, Ratings, and Votes, among others. Notably, the coefficient of determination (R-squared value) associated with the model was 0.92, signifying a strong explanatory capability. This outcome suggests that around 92% of the variation in revenue can be elucidated by the considered independent variables.

So, the companies such as Walt Disney, Netflix, Amazon.com, Comcast, Imax, Lionsgate, and A24 can buy movies, either for distribution, streaming, or production purposes considering the factors like genre, Actors, budget, Runtime, Votes & box office revenue matters for buying to some extent only.






THANK YOU