



Microsoft studios

Data analysis on movie market trends by eugene Marius.



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overview



- We are helping Microsoft analyze the movie market as part of this initiative. Our goal is to uncover the factors that influence box office success by delving into data from resources such as IMDB and Box Office Mojo. Our goal? giving Microsoft advice on the kinds of films that would be appropriate for their new studio. Movie success can usually be predicted by looking at the following factors: runtime, genre, descriptive analysis of budget and production values, and rating data. We discovered that these components work together to create a thorough understanding of audience preferences, which aids Microsoft in planning its investment decisions, marketing initiatives, and content production.

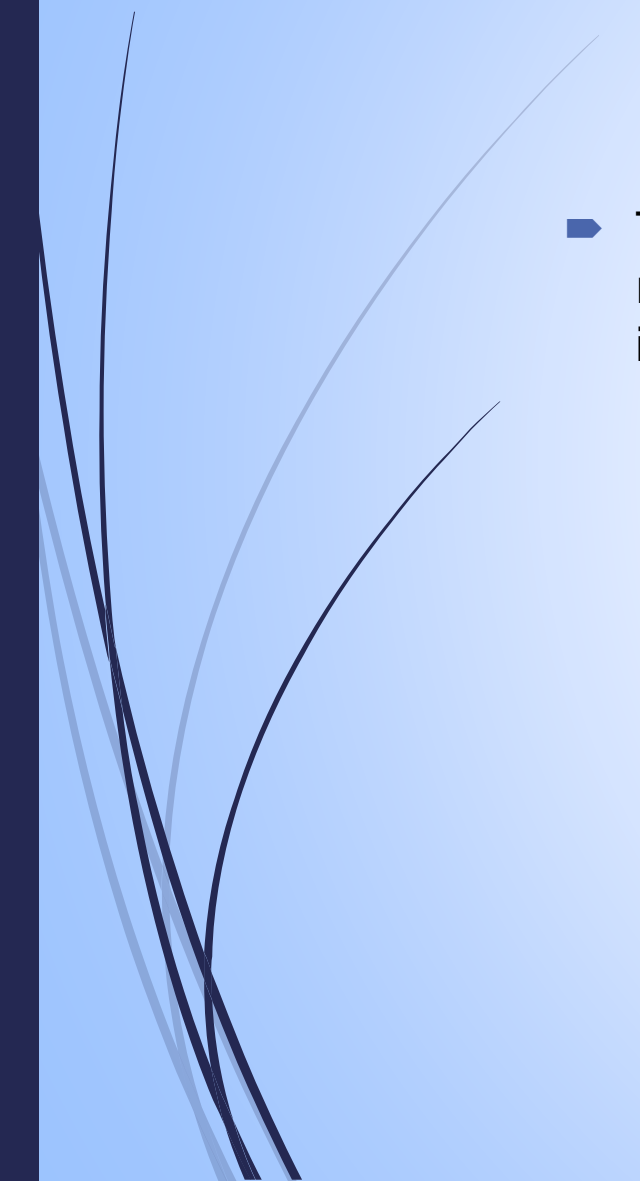


Business Understanding

- Microsoft's daring move to use its technology expertise to penetrate the entertainment business is marked by its strategic shift into the film industry. The company aims to broaden and change the range of services it provides by utilizing data-driven insights to negotiate the complex world of filmmaking. In addition to producing engaging content, the goal of this project is to improve audience engagement and income creation. Utilizing big data analytics, Microsoft can make strategic investment decisions by gaining insightful knowledge about market trends and consumer preferences
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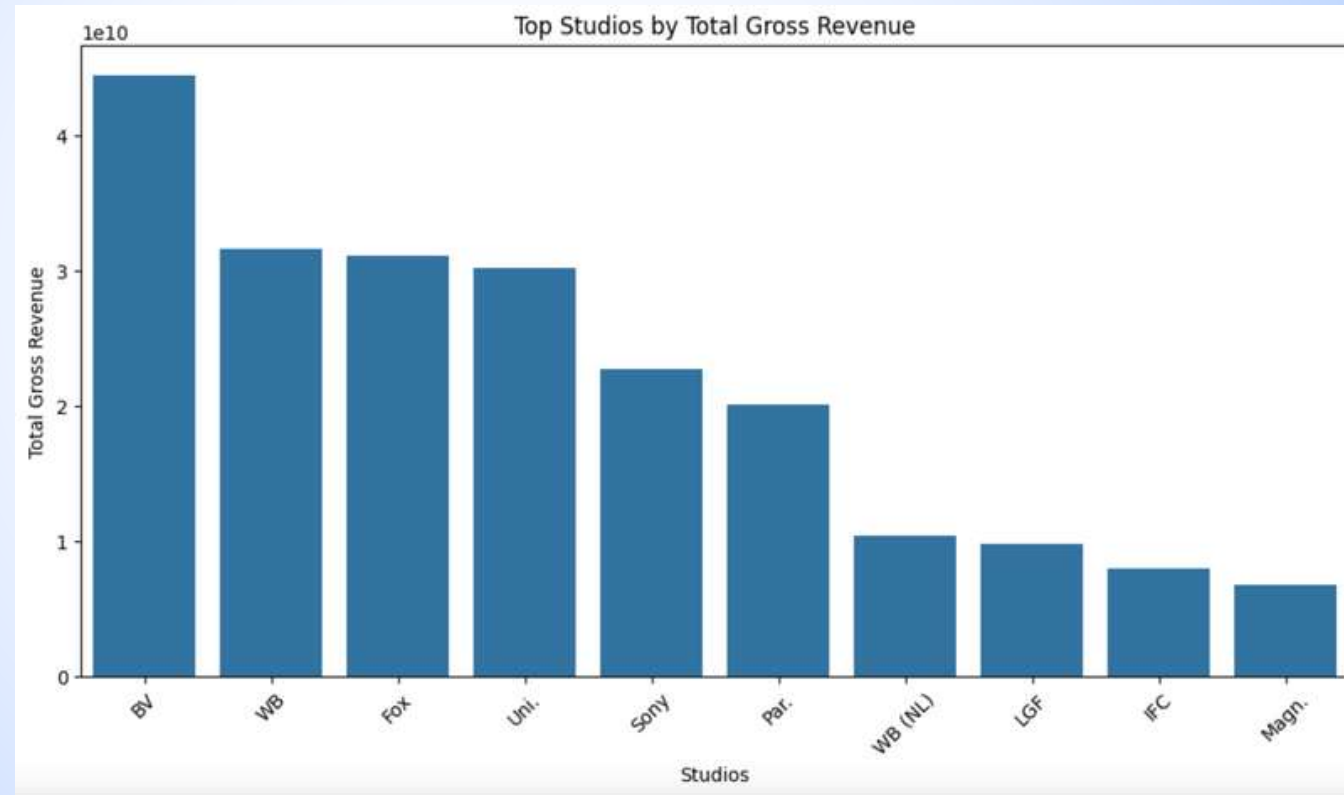


Data Understanding

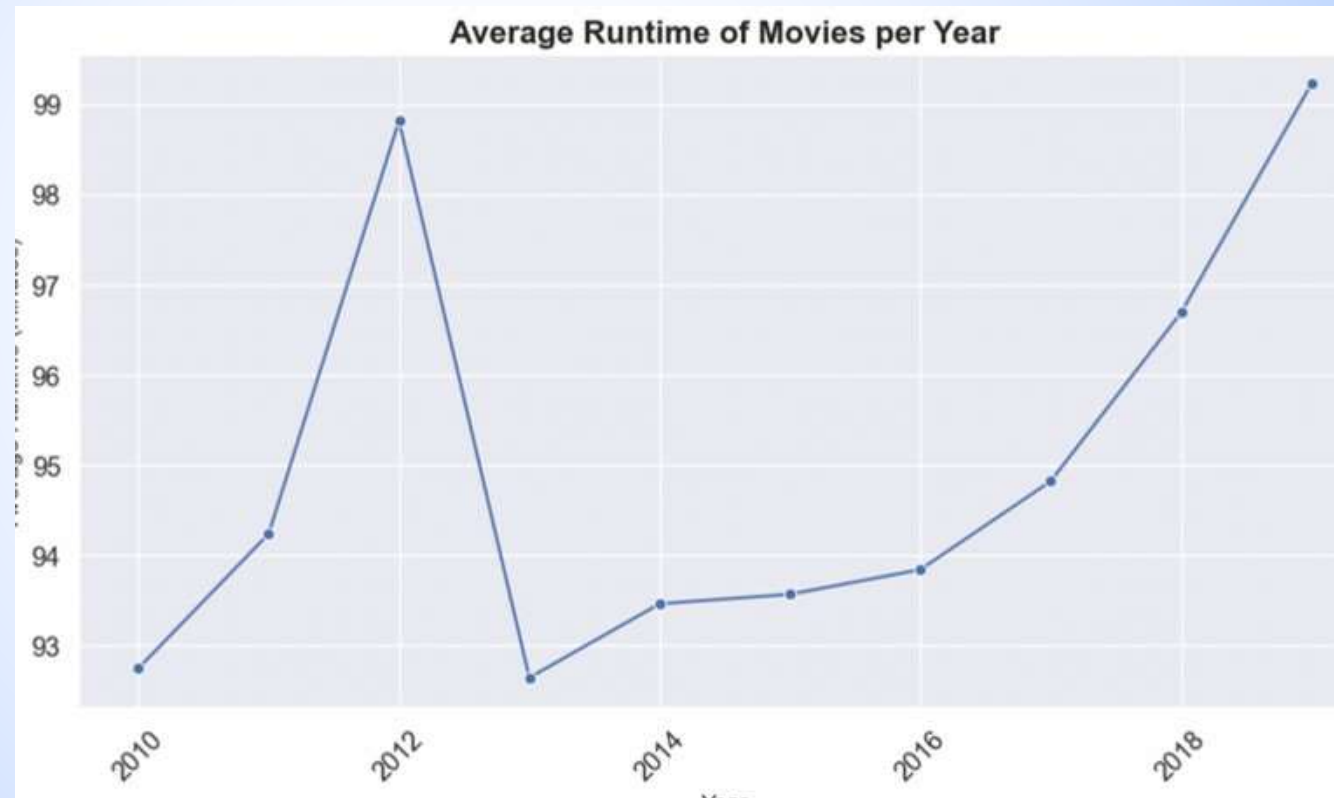
- ▶ The information is derived from Box Office Mojo by IMDb and IMDB, both reputable sites in relation to the data we need to understand the trends in the increasingly versatile movie market.
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Visualizations

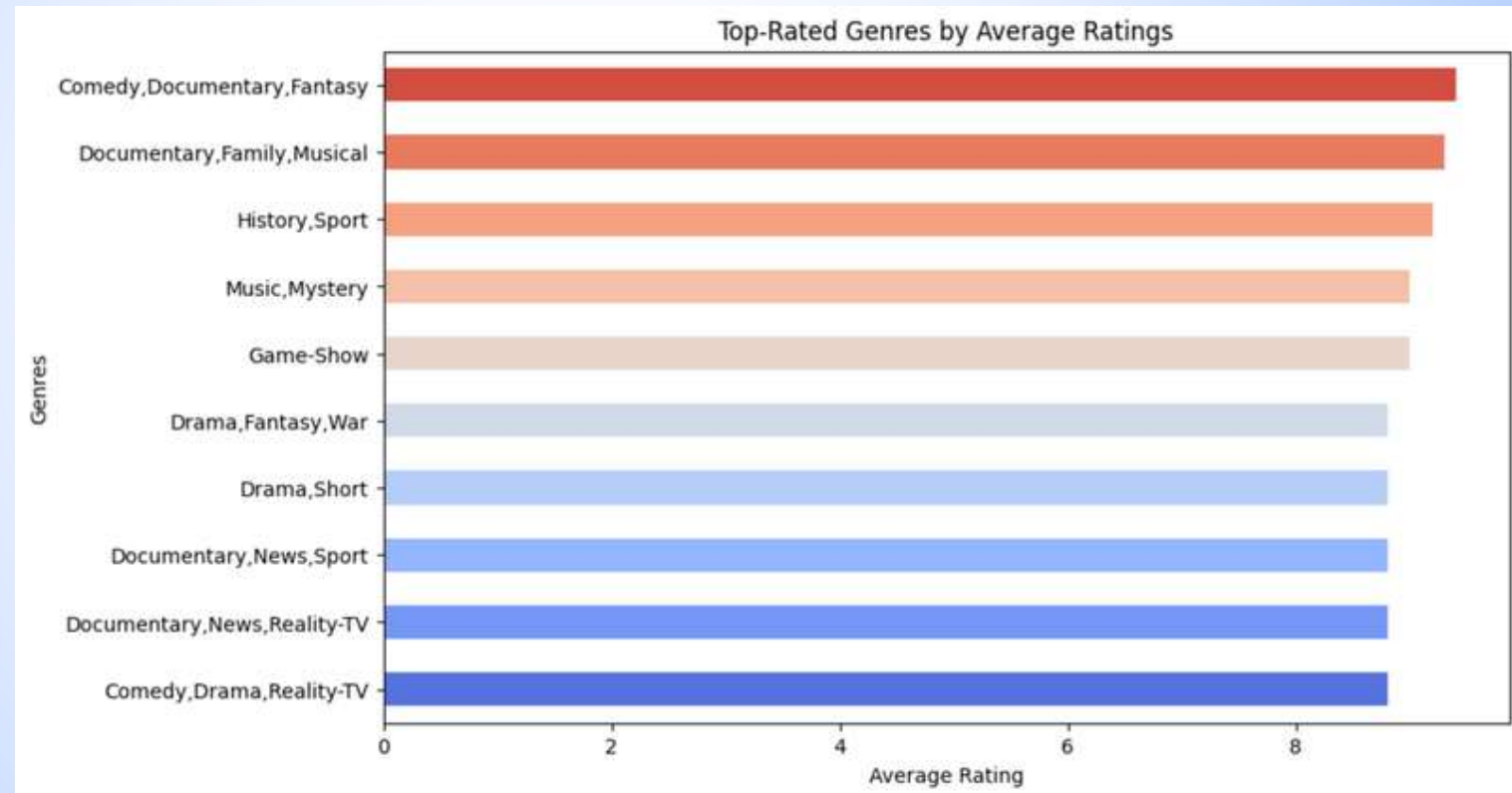
the top grossing studios



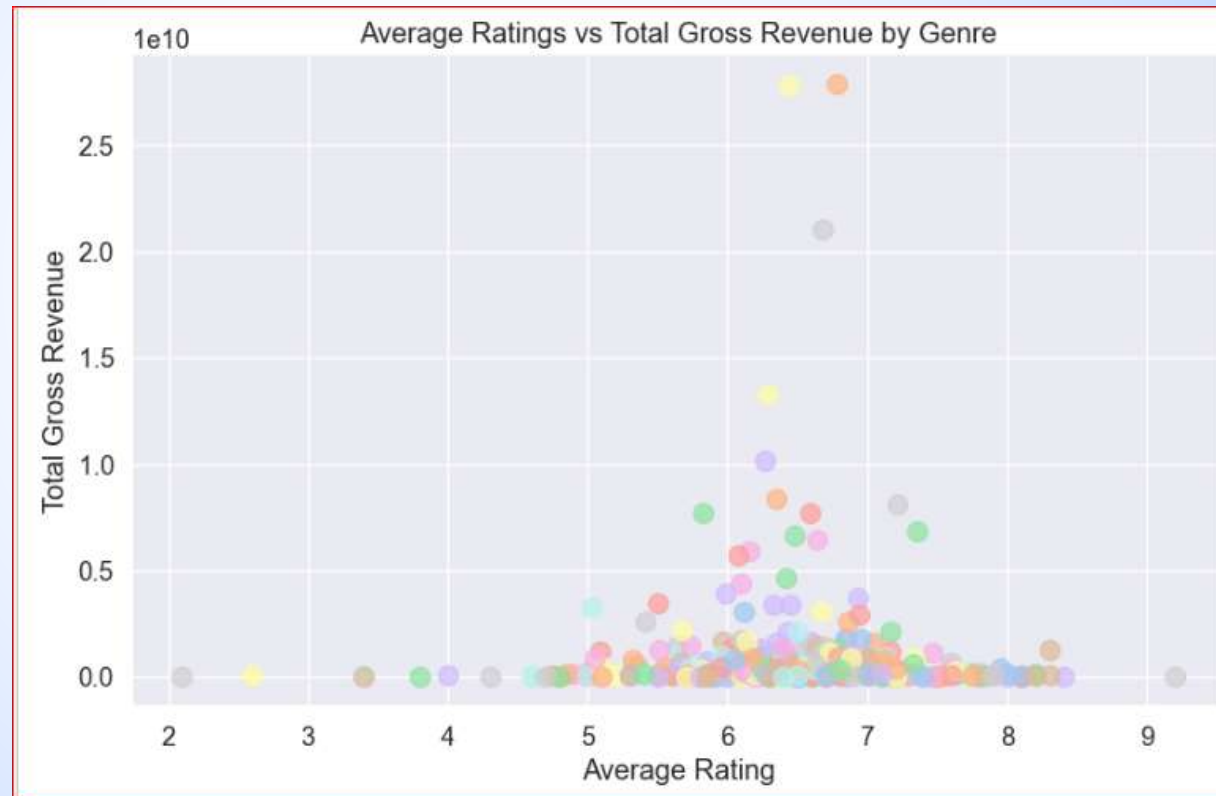
Average run time for movies



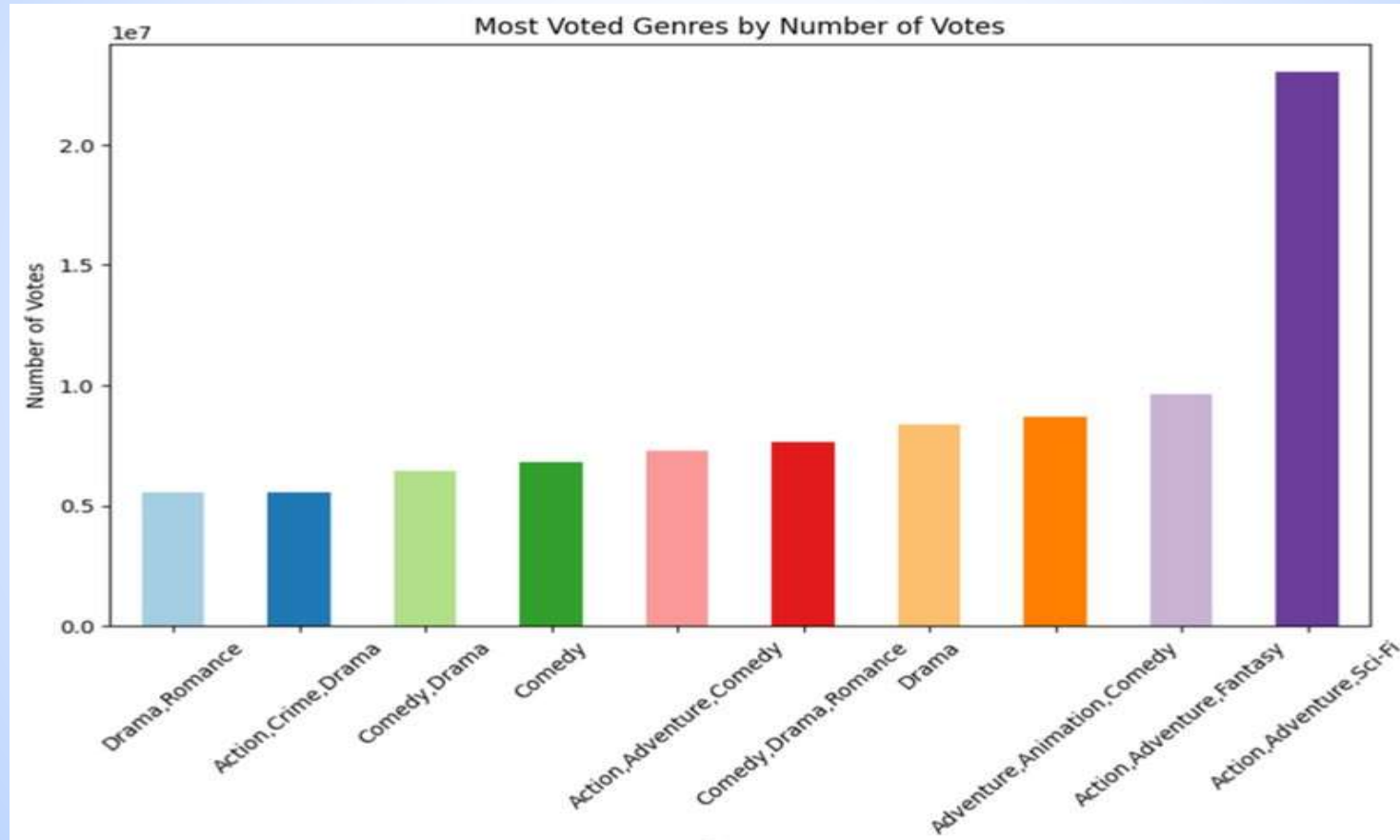
Top rated genres on Imdb



Gross revenue by genre in relation to IMDB Ratings



Most rated genres on imdb





Conclusion



- Higher production expenses seem to be positively correlated with box office success, although other important elements including genre, marketing tactics, and release date also matter.
- Trends in movie performance throughout time were discovered by an analysis of box office revenue, audience ratings, and critical reviews. Comprehending these patterns is essential for making knowledgeable choices in the film business.
- Different audience preferences are indicated by the relative success of different genres. Knowing these inclinations can help future film ventures choose their genres.
- Reviews from critics clearly affect both box office performance and audience response. Positive reviews help movies succeed more frequently.

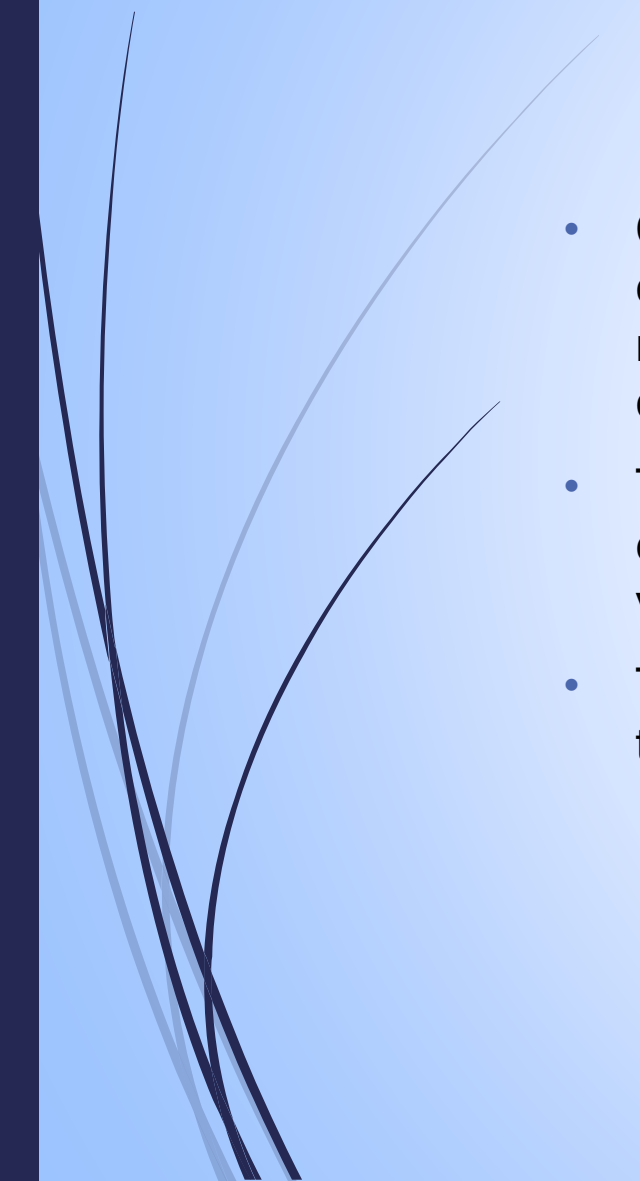


Recommendations

- Make strategic resource allocation decisions in light of the budget-box office success association that has been identified. Even though expensive films may yield higher returns, you should diversify your investments throughout a range of budgets in order to reduce risk.
- Utilize the insights on genre performance to guide the selection of movie genres for future projects. Target specific audience segments by focusing on genres that have historically performed well.
- Invest in marketing methods that showcase good ratings to capitalize on the effect of unfavorable ones. Take part in marketing campaigns that accentuate good feelings and build excitement in the target market.
- Enrich the existing dataset with additional relevant data such as social media engagement, regional trends, or demographic preferences to create more comprehensive predictive models and gain deeper insights.



...MoRE RECOMENDATIONS

- Create a system that allows you to keep an eye on audience preferences, competition tactics, and industry developments continuously. Production and marketing plans should be continually adjusted to keep up with shifting market conditions.
 - To adapt to changing audience preferences, promote creativity and experimentation in storytelling, graphics, and narrative styles. Investigate joint ventures or creative strategies to set films apart in the marketplace.
 - To improve decision-making and enable more precise movie success forecasts, think about integrating machine learning models into predictive analytics.
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summary

- Microsoft can gain important insights for its movie production ventures by analyzing data related to the film industry. Microsoft may improve its film productions by allocating funding strategically based on connections between box office success and specific genre preferences, creating material that is suited to individual preferences, and utilizing critical evaluations in marketing campaigns. Making better decisions is further enhanced by adding to datasets, modifying plans in response to market changes, and incorporating predictive analytics through machine learning models. This data-driven strategy guarantees Microsoft's inventiveness and competitive advantage in the ever-changing entertainment sector.
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