

Problem Statement:

Most Profitable Stories in Hollywood

The Hollywood film industry presents a diverse landscape of movies each year, but profitability varies significantly among films. Understanding the factors that contribute to a film's financial success is crucial for filmmakers and investors. This project seeks to analyze key determinants of profitability in Hollywood films by examining relationships between audience scores, critical reviews (Rotten Tomatoes), and various film attributes (genre, studio, release year).

The lack of comprehensive insights into how these factors correlate with box office performance creates challenges for stakeholders aiming to maximize their returns. Therefore, the project aims to identify profitable patterns and trends, providing actionable recommendations for filmmakers and investors to enhance the likelihood of commercial success.

This project aims to address the following key issues:

- Understand the factors that influence the profitability of Hollywood films.
- Analyze relationships between audience scores, Rotten Tomatoes scores, and film profitability.
- Visualize trends to discover how genres, studios, and other factors impact the success of films.
- Provide actionable insights to filmmakers and investors on key factors that could lead to a more successful box office performance.