

TMDB Analysis Report

Prepared by

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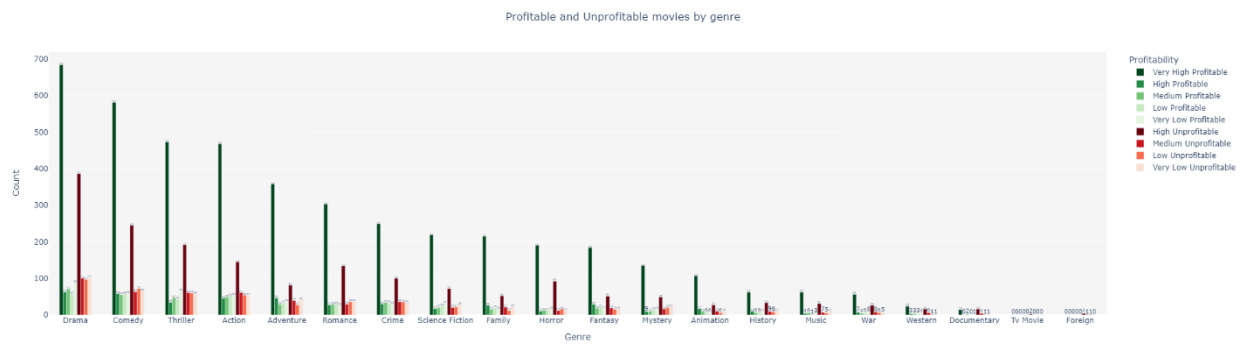
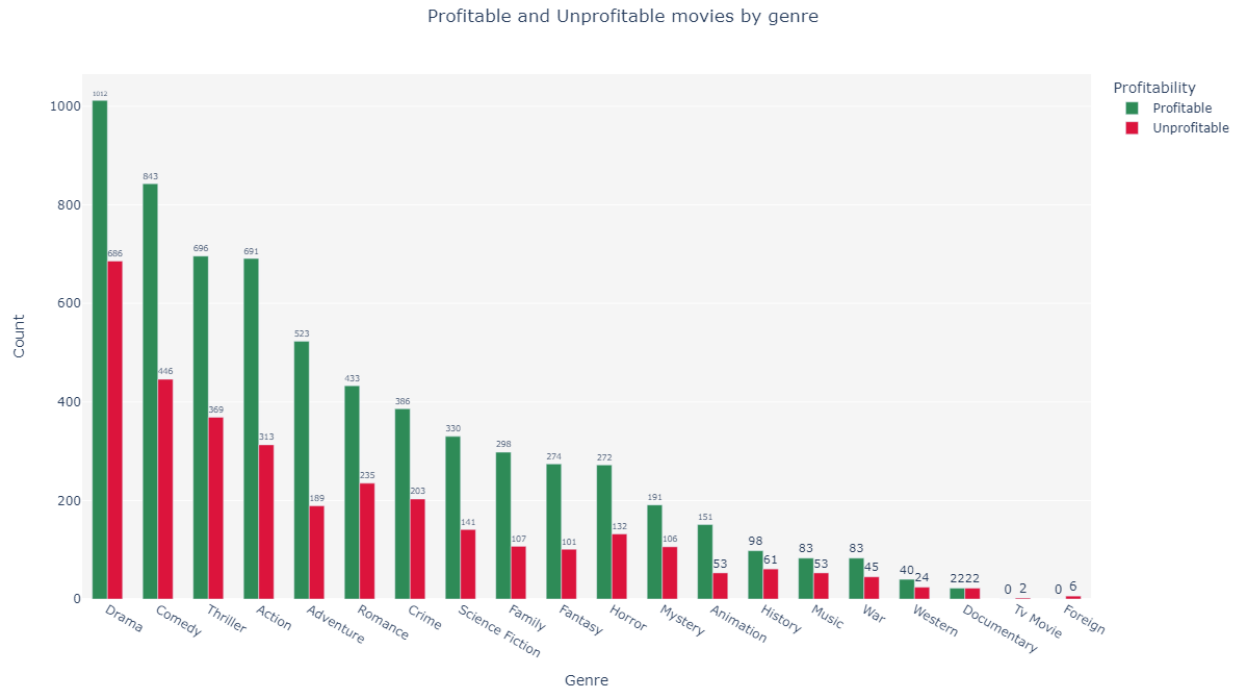
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Introduction

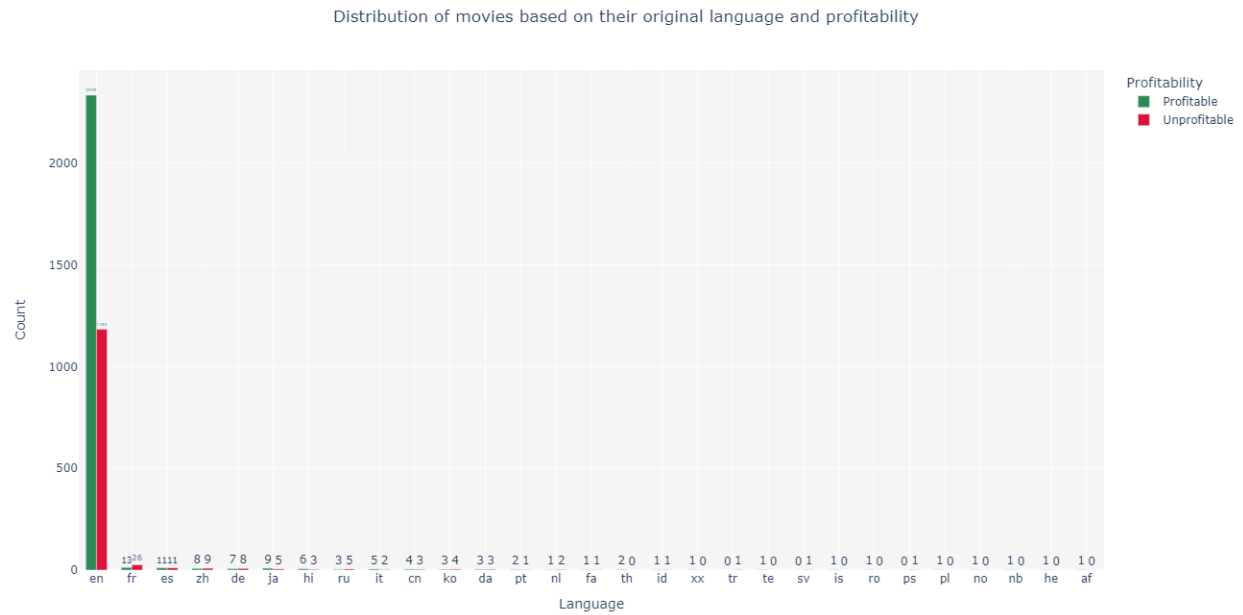
Before a movie is released, can we predict if it will be successful? Are there certain studios, like Pixar, known for always making popular movies? Since even big-budget films can fail, it's really important for the movie industry to figure this out. People who love movies might care about different things. Can we guess which movies will be liked by critics, even if they don't make a lot of money? This is a great place to start digging in to those questions, with data on the plot, cast, crew, budget, and revenues of several thousand films. We use TMDB movie dataset for this purpose.

Inferences

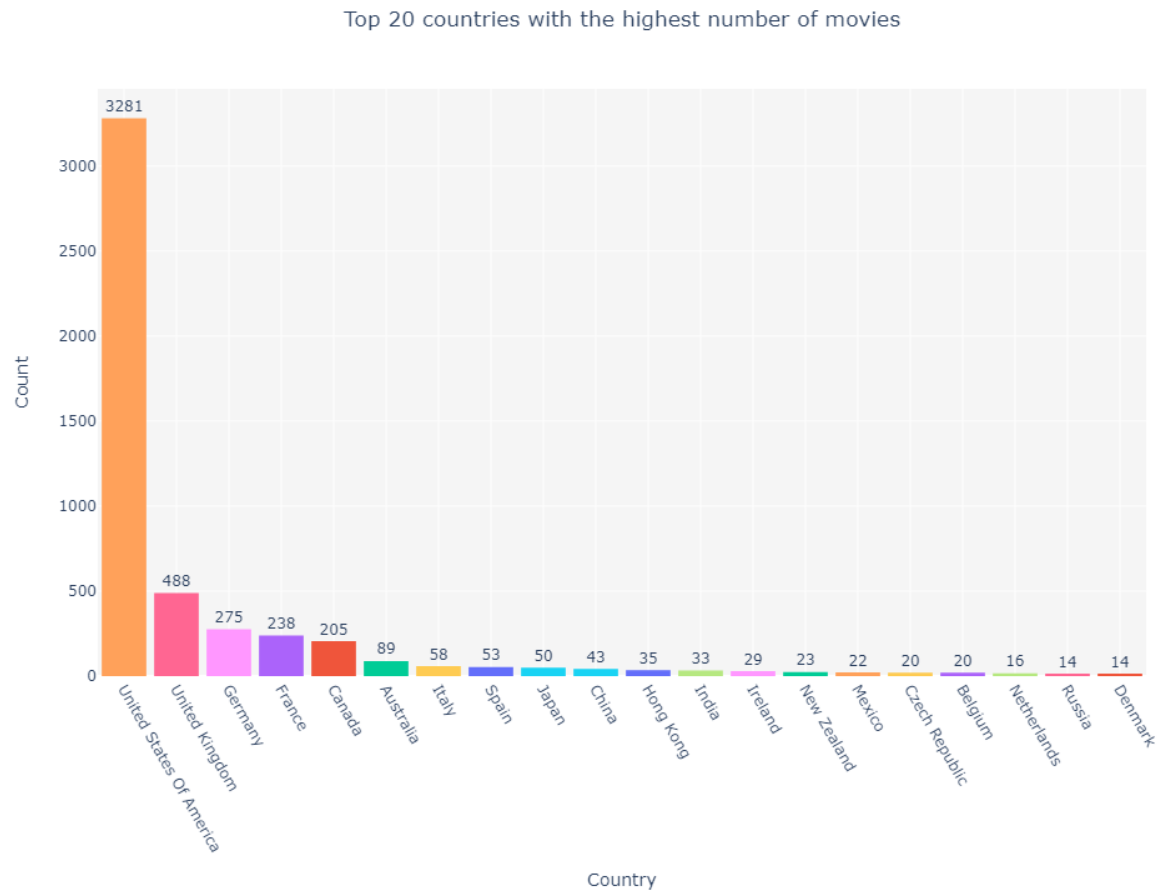
1. The majority of films belong to the drama genre, and they often tend to be profitable.



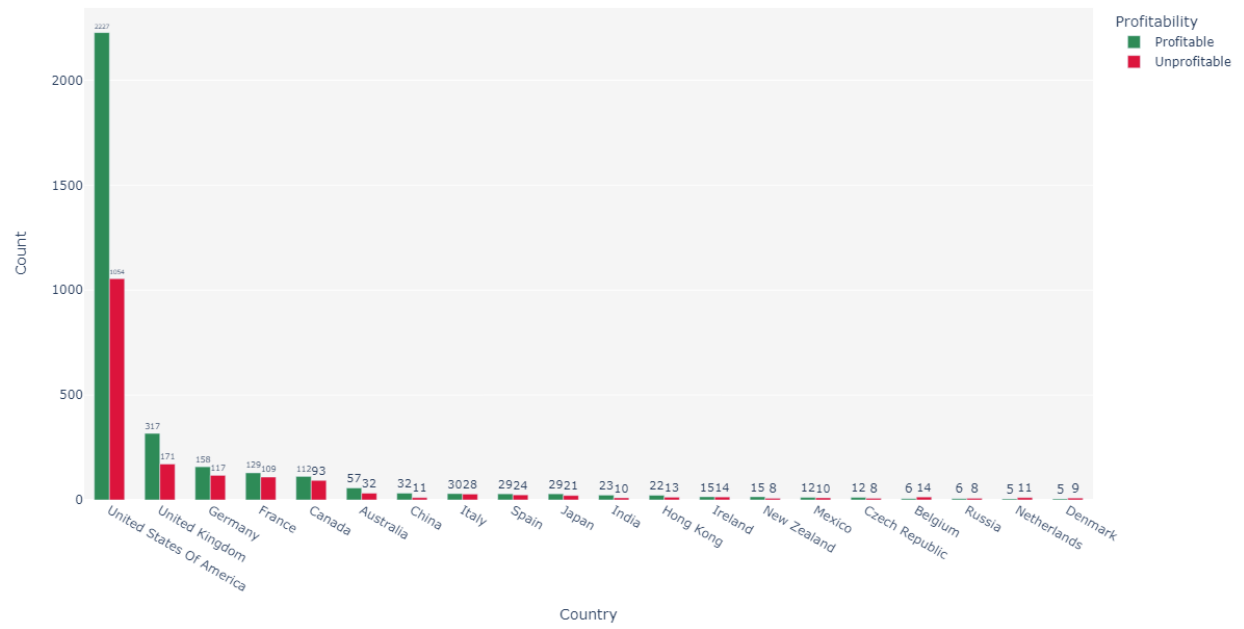
2. English-language movies constitute the bulk of the industry, with a strong tendency towards profitability.



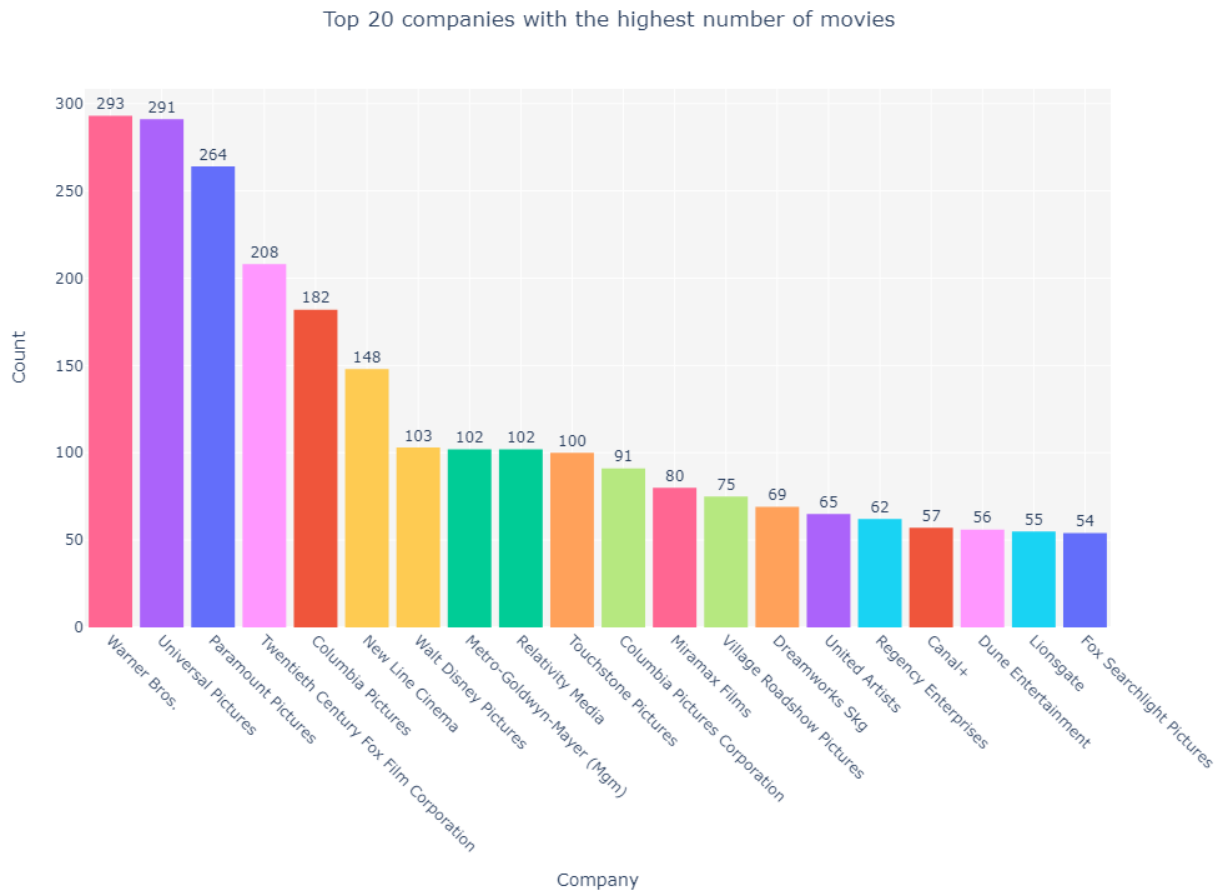
3. Countries with the highest number of movie productions tend to generate predominantly profitable films.



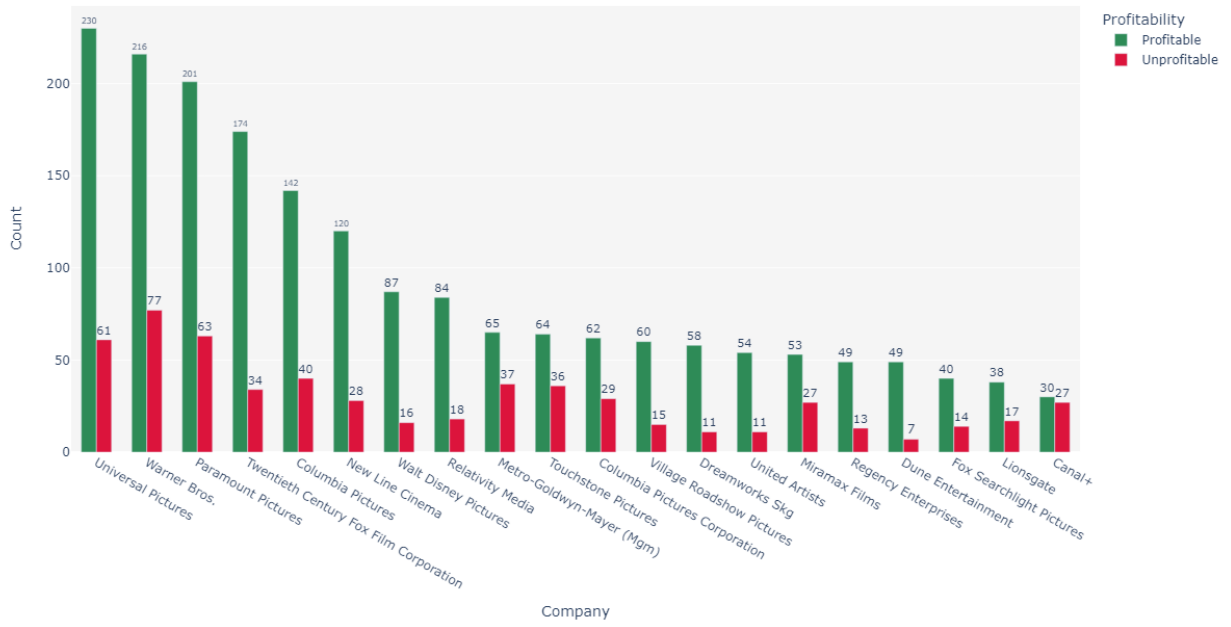
Profitable and Unprofitable movies by Country



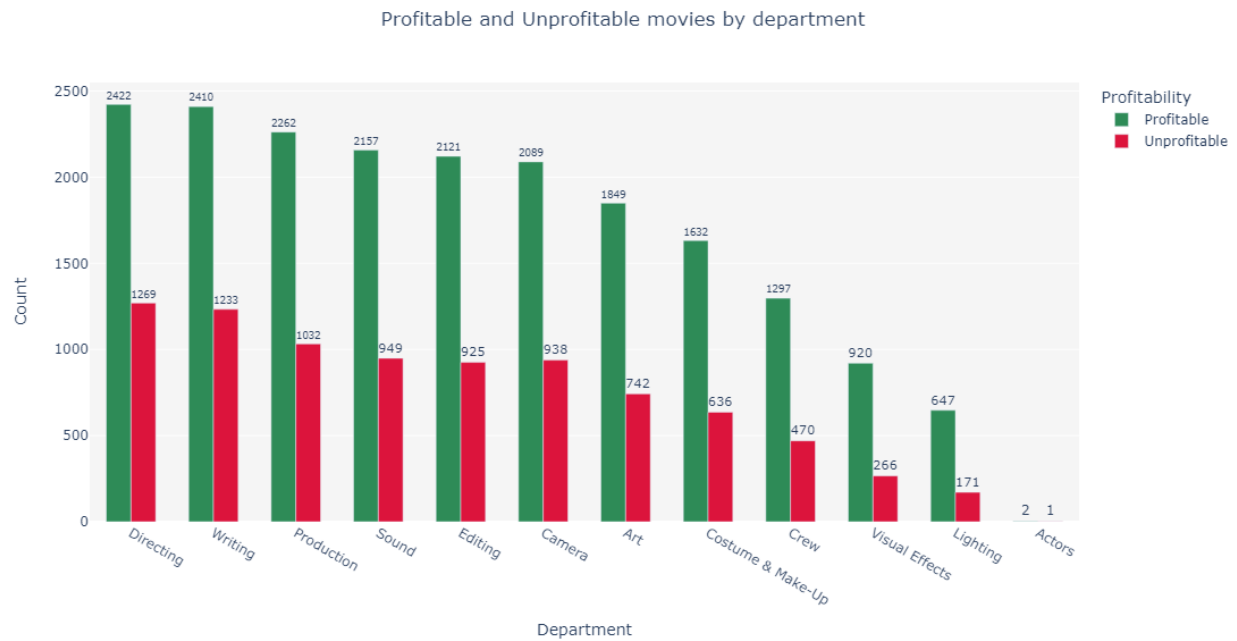
4. Companies with a higher volume of movie productions generally produce predominantly profitable films.



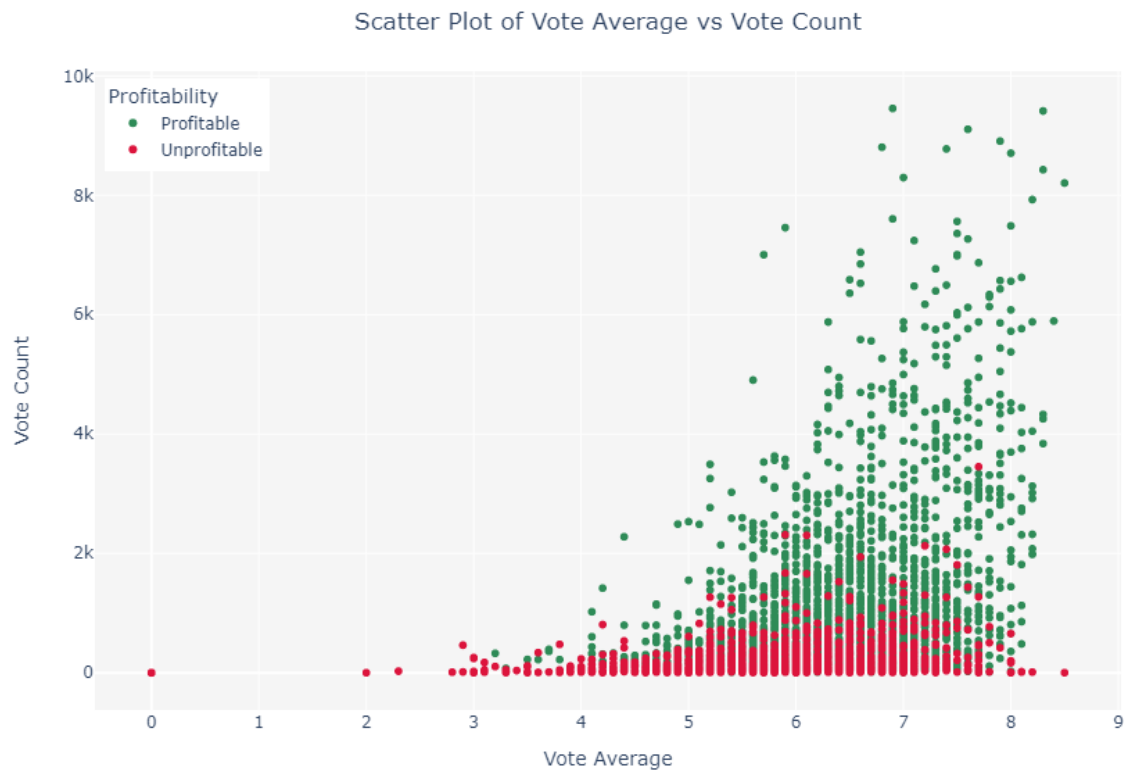
Profitable and Unprofitable movies by Company



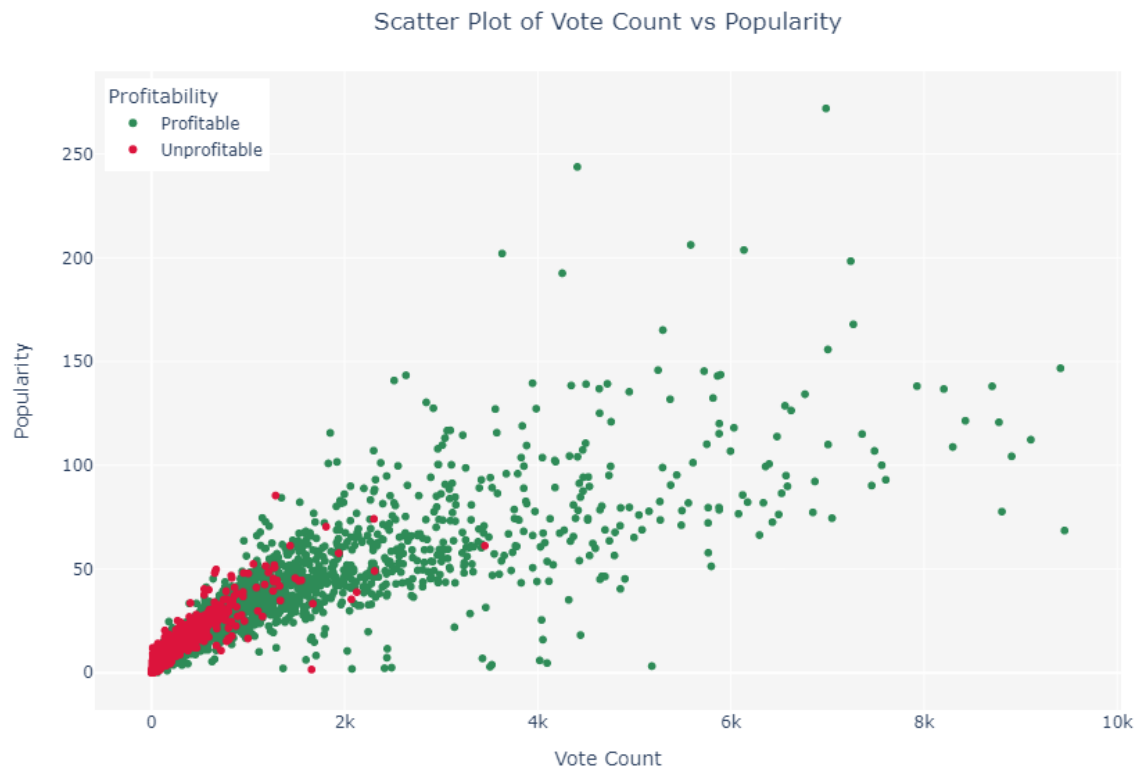
5. Directing is the most prevalent department in the realm of filmmaking.



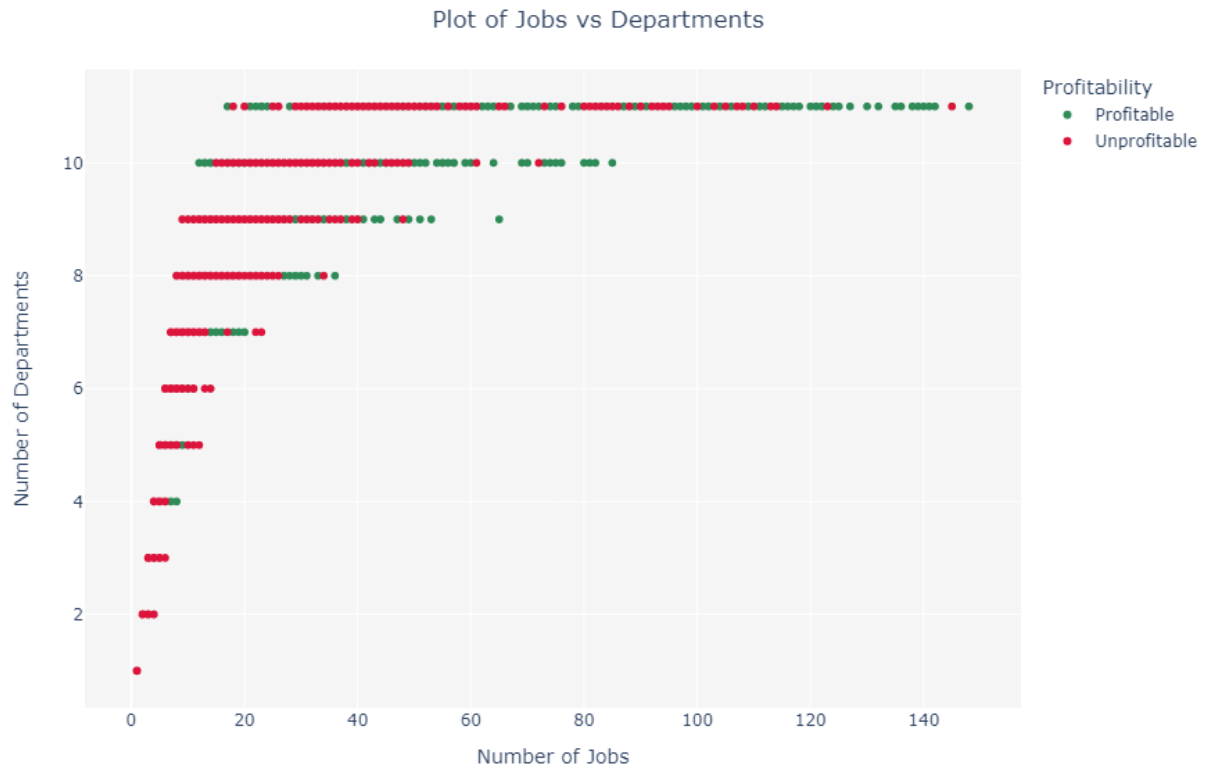
6. The combination of a low vote count and vote average often indicates potential unprofitability. It is also conceivable for movies with high vote averages to ultimately prove unprofitable.



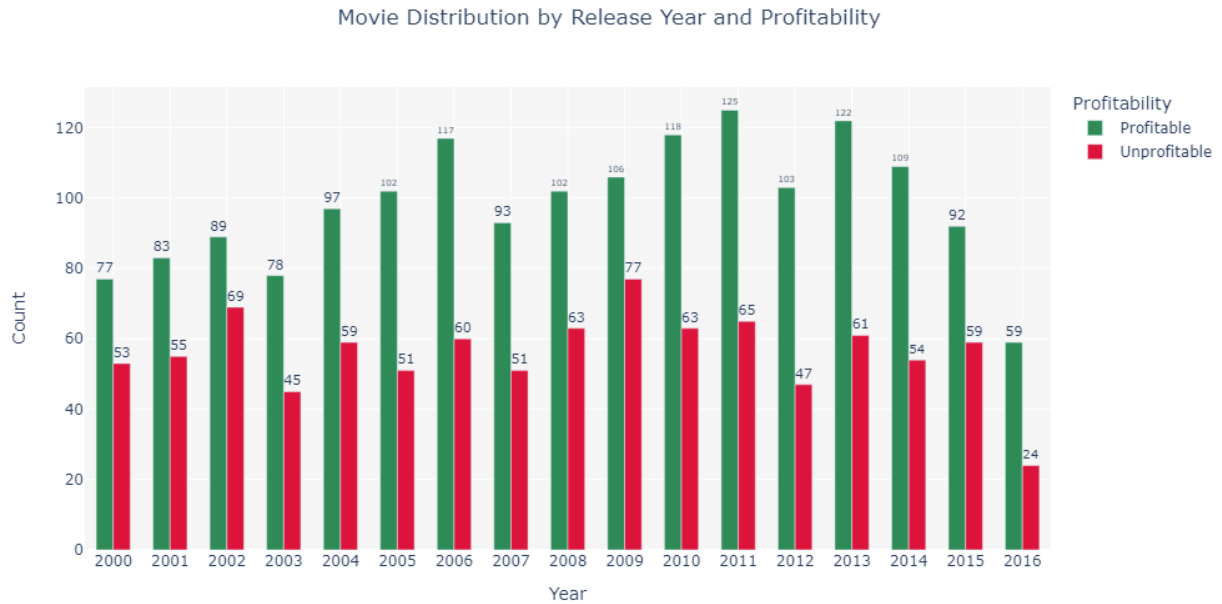
7. There exists a roughly linear relationship between vote count and popularity.



8. Movies with a low number of crew members and departments tend to be unprofitable.



9. From 2000 to 2016, the year 2011 stands out for having the highest production of profitable movies.



10. The majority of profitable movies tend to be released in December.

