

Movie

Data Analysis

The background of the slide features a close-up, artistic shot of several vintage film reels and a strip of film. The reels are dark, possibly metal or black plastic, with visible sprocket holes. The film strip is a reddish-brown color, suggesting it might be an old or damaged print. The lighting is dramatic, with strong highlights and deep shadows, creating a cinematic feel. In the top left corner, there is a small, solid orange rectangle.

Project Overview

Background: Microsoft sees all the big companies creating original video content and they want to get in on the fun. They have decided to create a new movie studio.



Tools

- ❖ CSV
- ❖ Pandas
- ❖ Numpy
- ❖ Matplotlib
- ❖ Seaborn
- ❖ SQLite

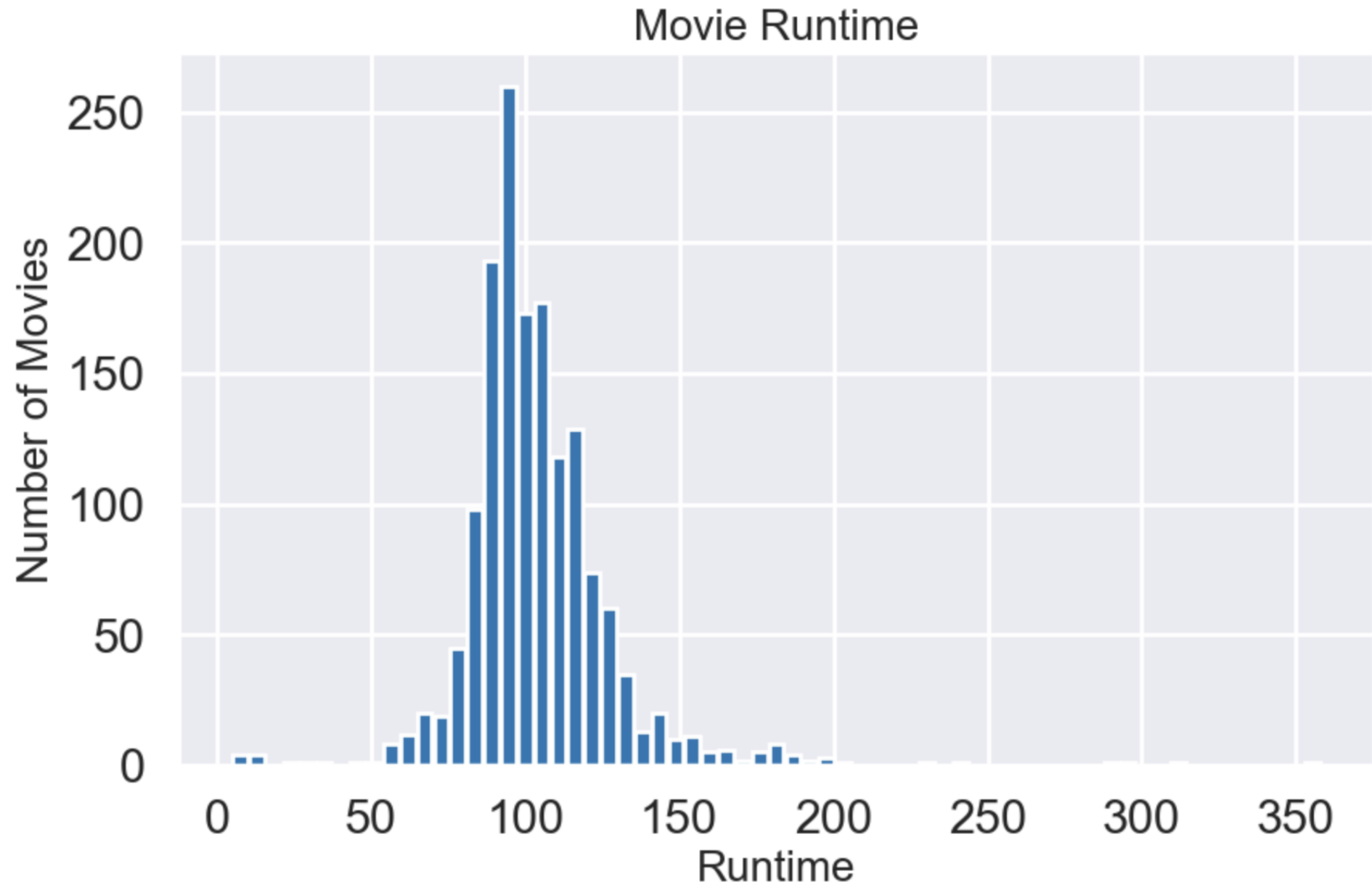


A close-up photograph of a vintage film reel. The reel is dark, possibly black or dark brown, with a complex, multi-spoked design. Two red film strips are wound around it, their edges showing the characteristic sprocket holes. The film strips are arranged in a way that they appear to be flowing or draped over the reel. The background is a soft, out-of-focus grey, which makes the reel and film the central focus of the image.

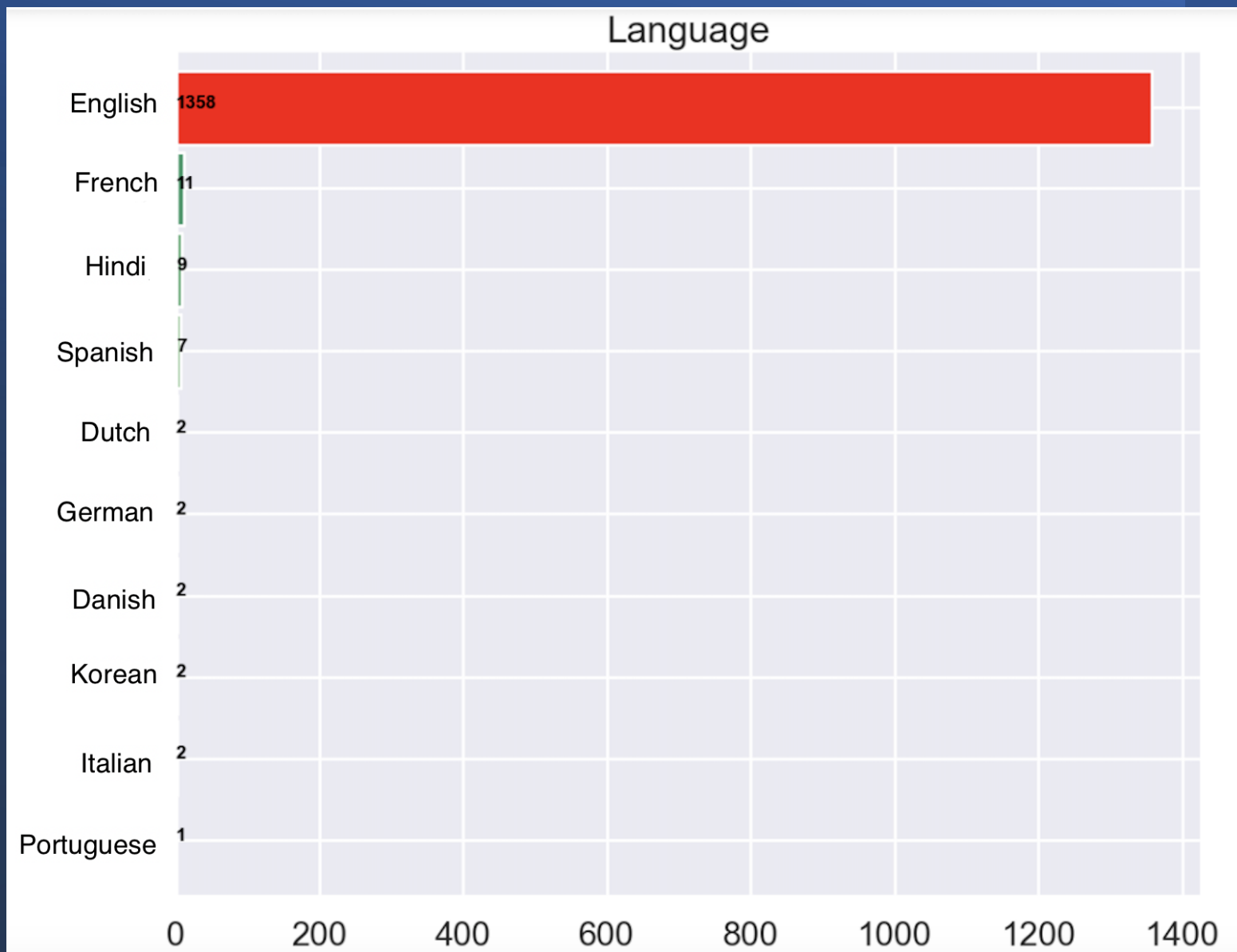
Budget

\$31 million USD

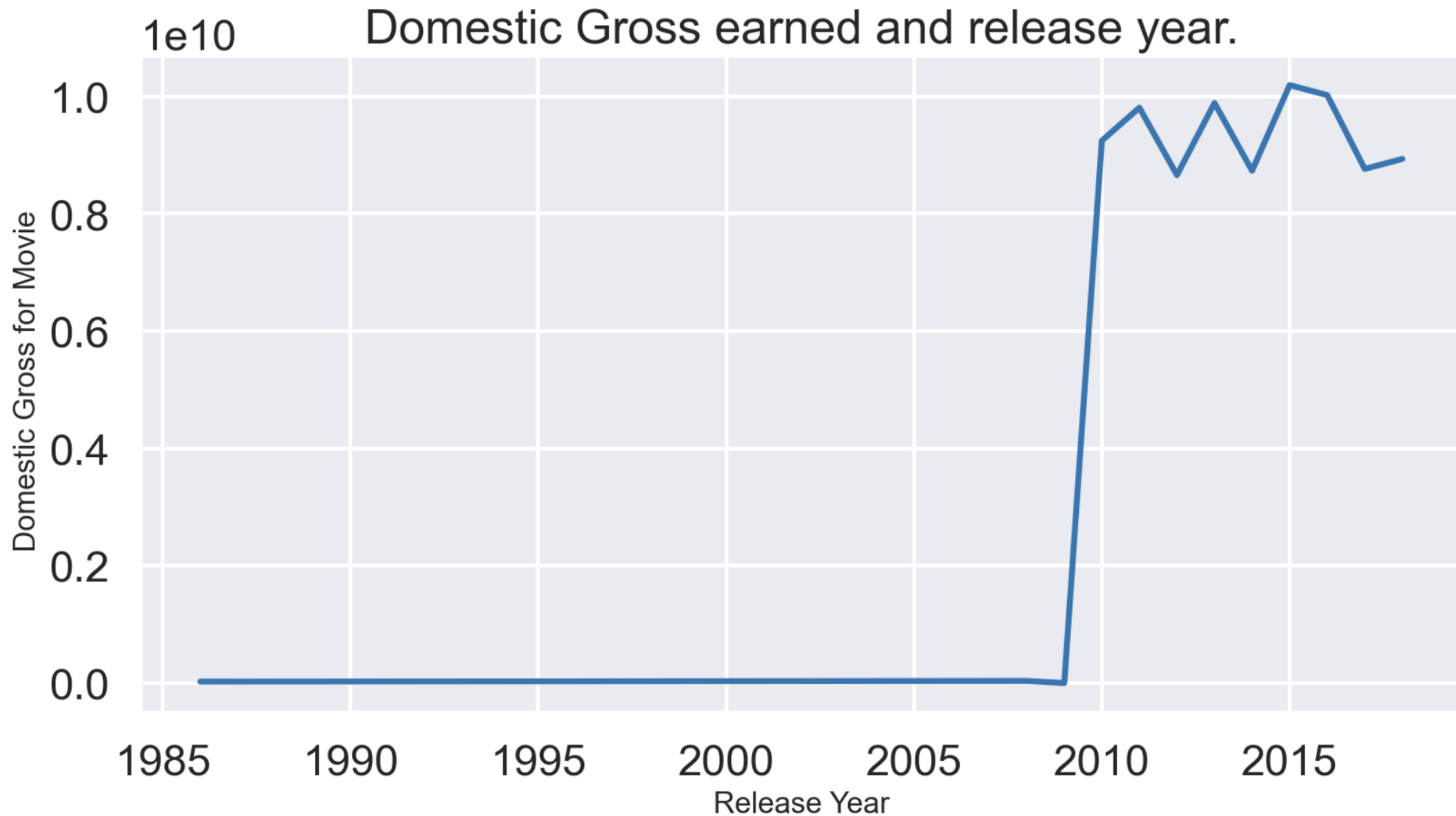
In this plot we can see that most movies in our dataset has runtime close to a 100 min



On this graph we can see that most of the movies are in English Language.



In this graph we can see successful year for movie released



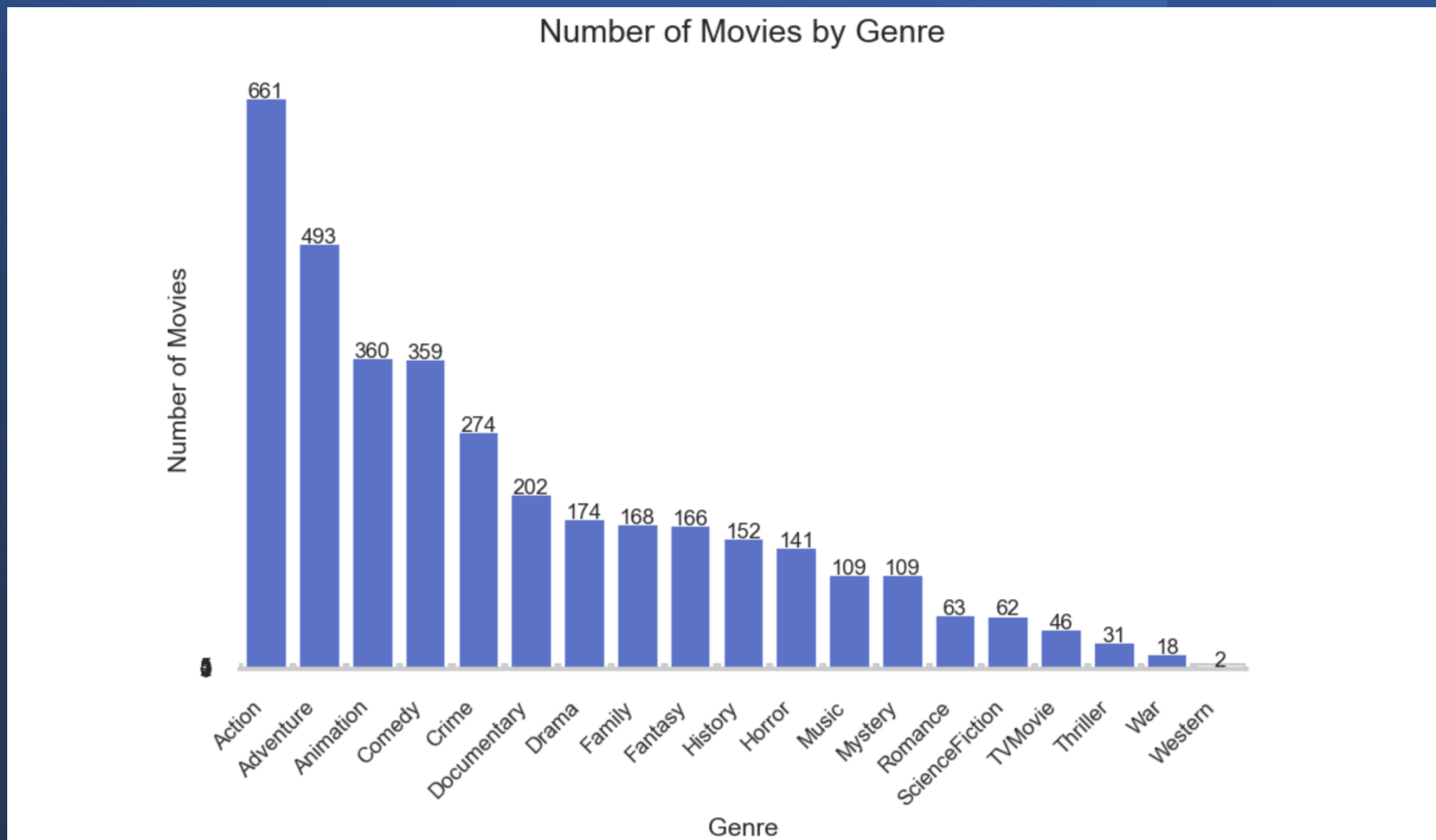
Top 5 movies based on Popularity

Title	Popularity	Language	Genre
Avengers: Infinity War	80.773	English	Action, Adventure, Fantasy
John Wick	78.123	English	Action, Thriller
The Hobbit: The Battle of the Five Armies	53.783	English	Action, Adventure, Fantasy
Guardians of the Galaxy	49.606	English	Action, Adventure, Science Fiction
Blade Runner 2049	48.571	English	Science Fiction, Action, Thriller

Top 3 Most 3 Most Profitable Movies

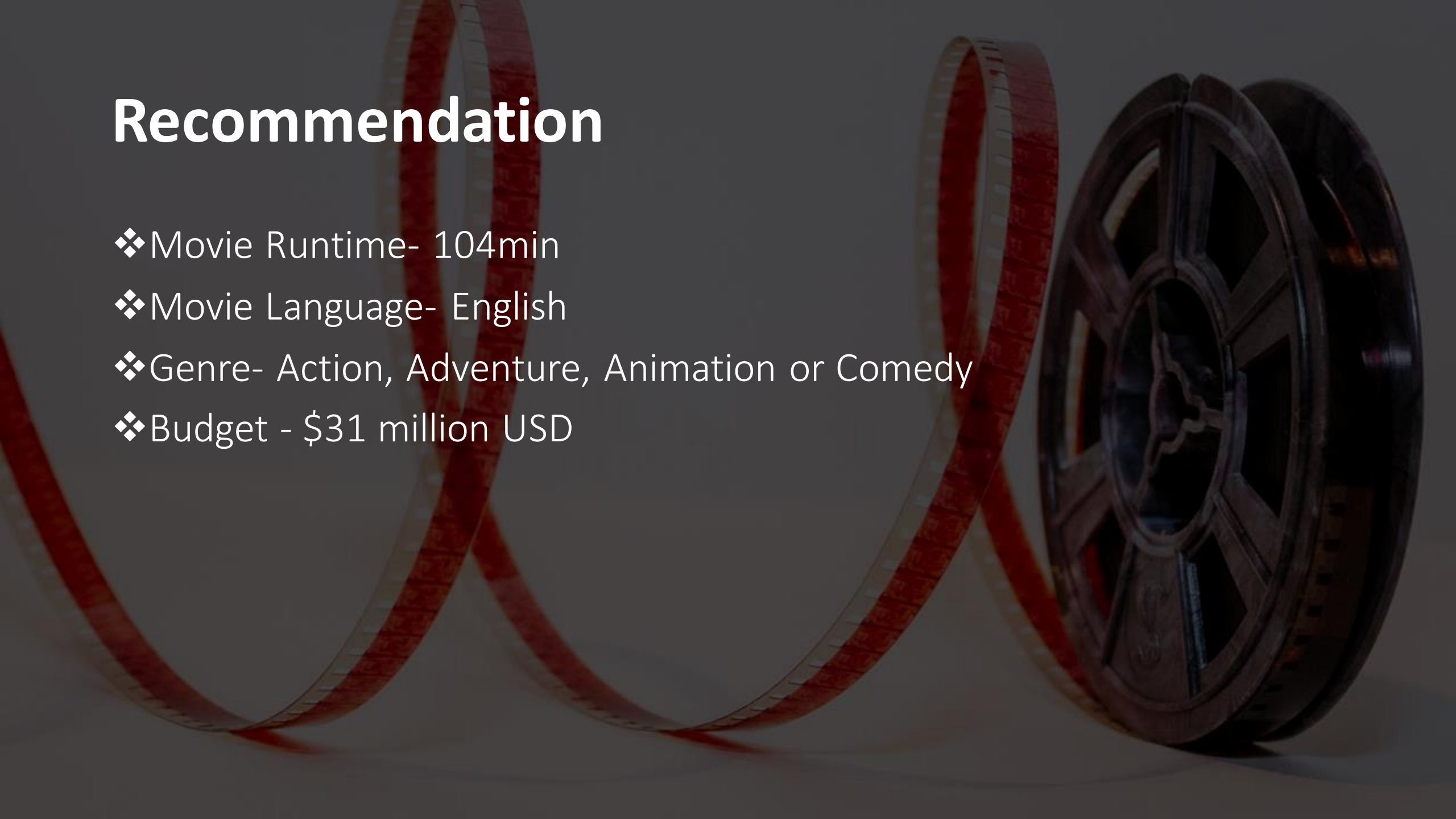
Title	Domestic Gross	Foreign Gross	Genre	Language
Toy story 3	415 million USD	652 million USD	Animation, Family, Comedy	English
Inception	292.6 million USD	535.7 million USD	Action, Fiction, Adventure	English
Shrek Forever after	238.7 million USD	513.9 million USD	Animation, Family, Comedy, Adventure, Fantasy	English

We can see that for the company it would be the best to produce Action, Adventure, some comedy or animation.



Recommendation

- ❖ Movie Runtime- 104min
- ❖ Movie Language- English
- ❖ Genre- Action, Adventure, Animation or Comedy
- ❖ Budget - \$31 million USD



Profit

- ❖ Worldwide gross \$60 million USD
- ❖ Worldwide profit \$29 million USD
- ❖ Domestic gross \$41 million USD
- ❖ Domestic profit \$10 million USD





Next Step

- ❖ Director
- ❖ Writers
- ❖ Actors



Thank you

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