

# Exploring Movie Data

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# Overview

- Microsoft is entering into the movie business and wants to get off on the right foot.
- What considerations should we evaluate before making a decision on our first production?



# Business Understanding

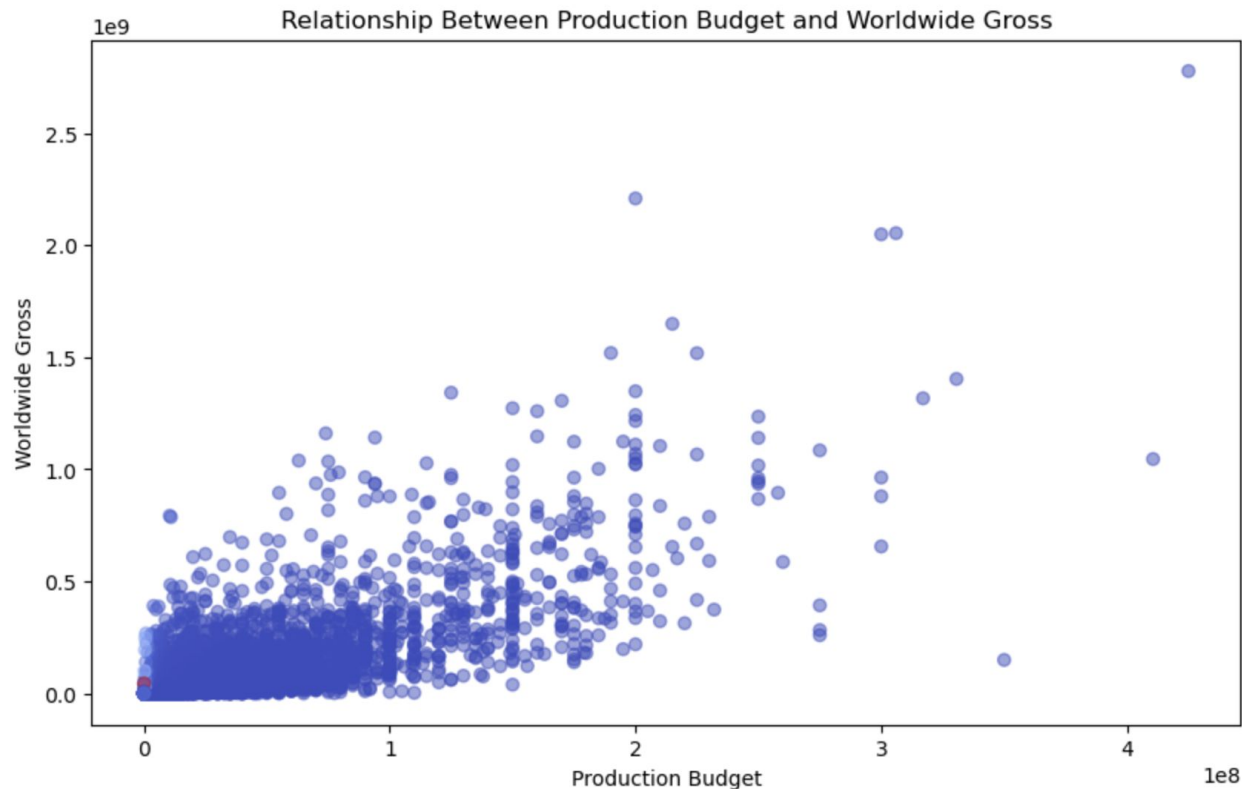
- There are several factors that contribute to a profitable movie
  - Budget, genre, release date, personnel, social factors, etc.
- Using various sources, we've provided several data-driven strategies to break into the industry and ensure profitability

# Data Analysis

- Our data sources:
  - Box Office Mojo
  - IMDB
  - Rotten Tomatoes
  - TheMovieDB
  - The Numbers
- Data includes:
  - Movie genres, titles, profits, studios, release dates, reviews, runtime, personnel

# Where to begin?

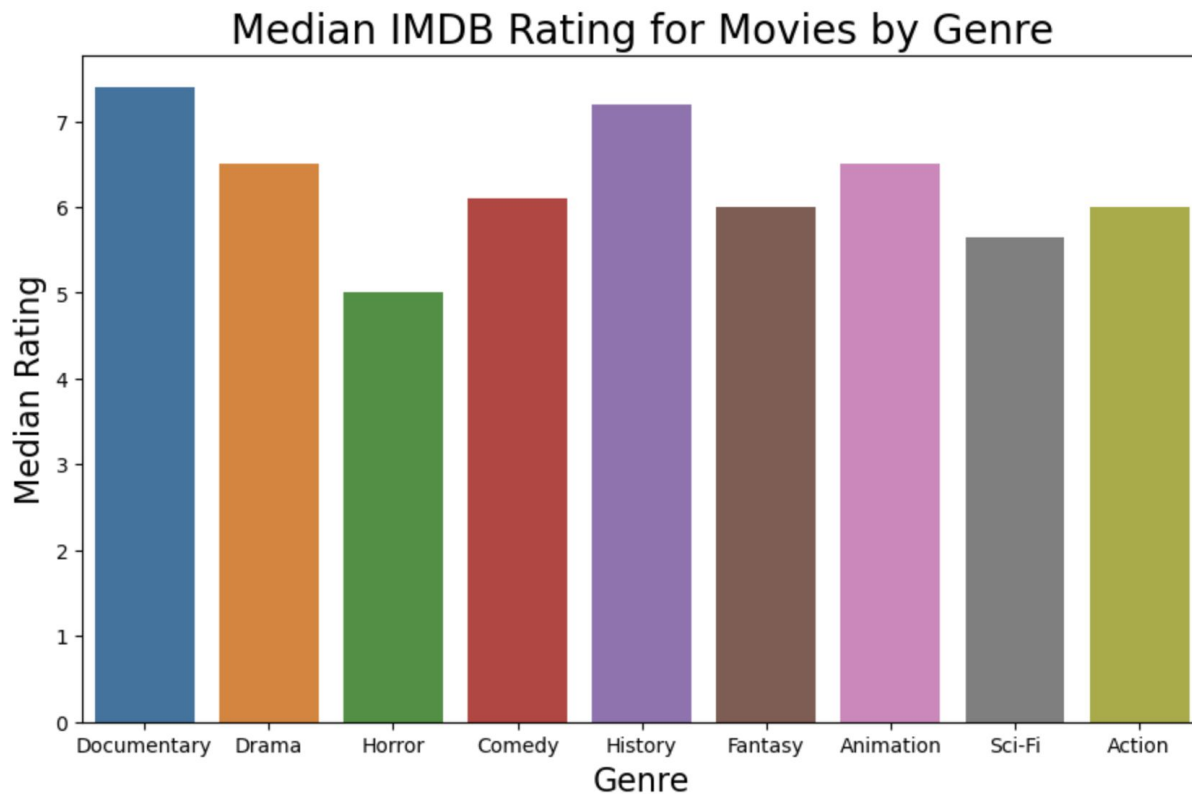
Budget: How much do we want to spend?



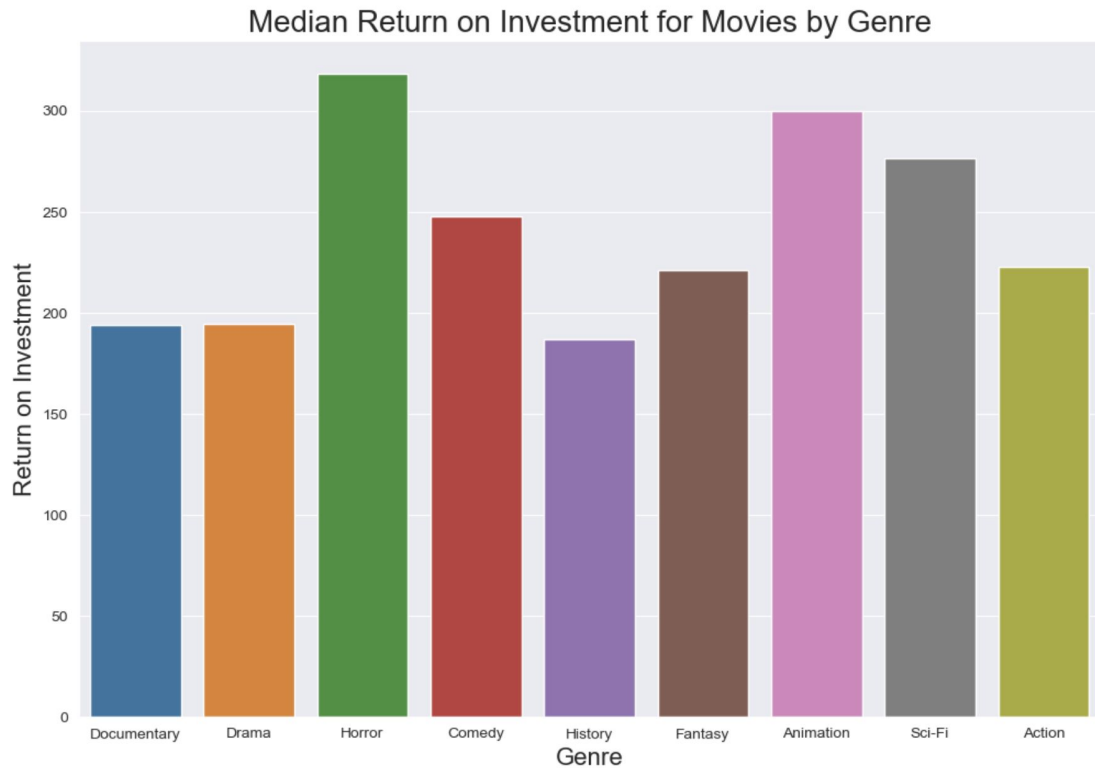
# Production Budget vs Gross and ROI



# Median IMDB Rating by Genre

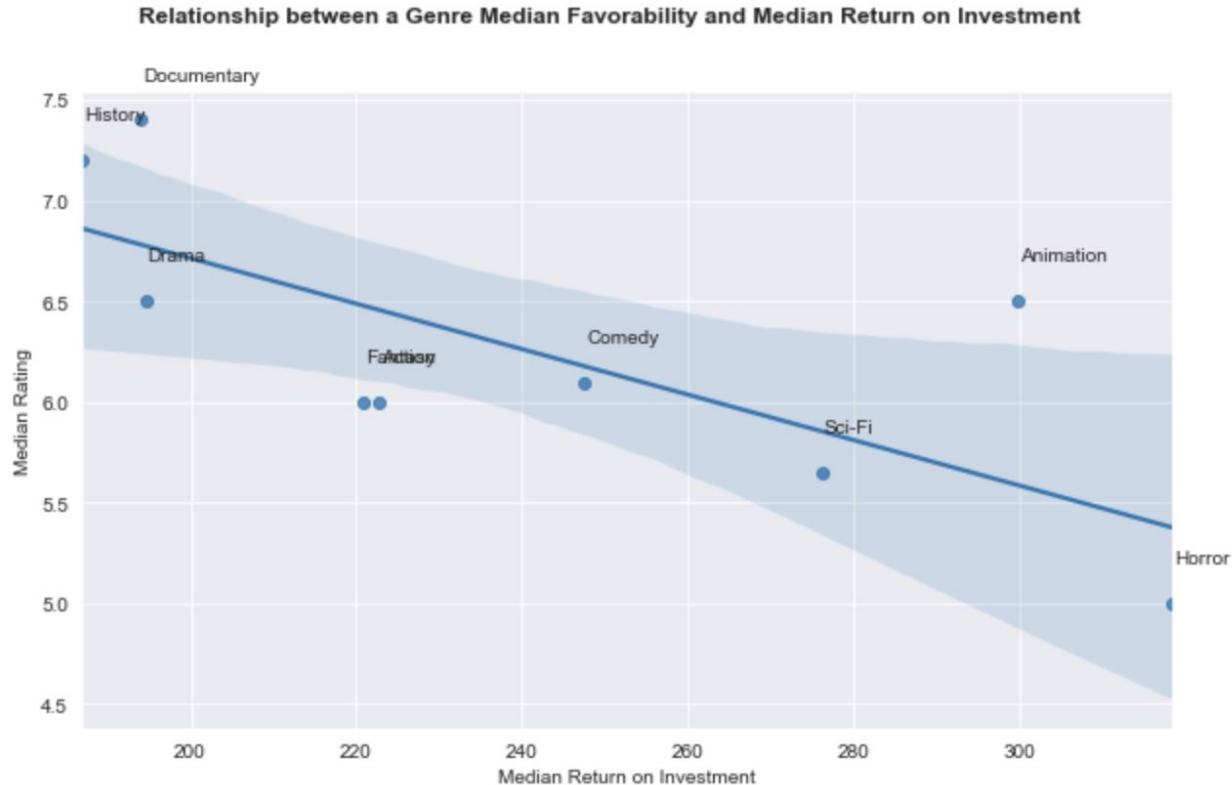


# Genre X ROI

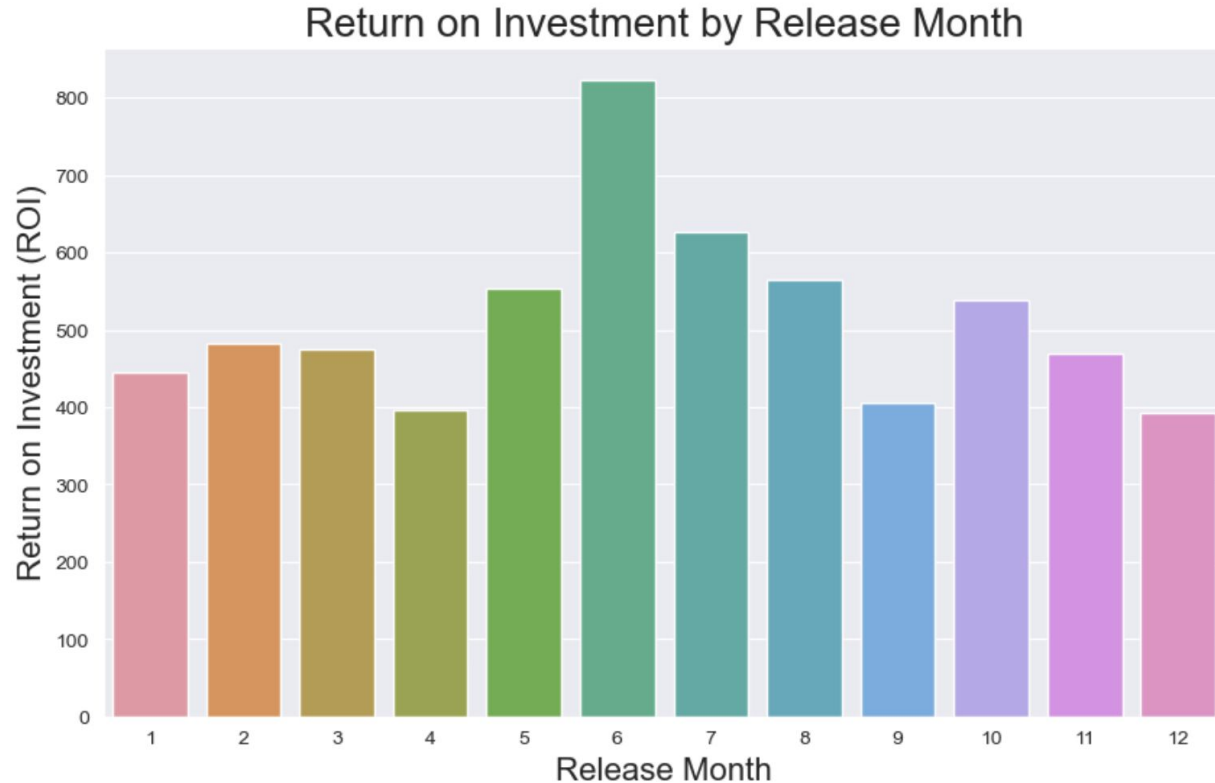




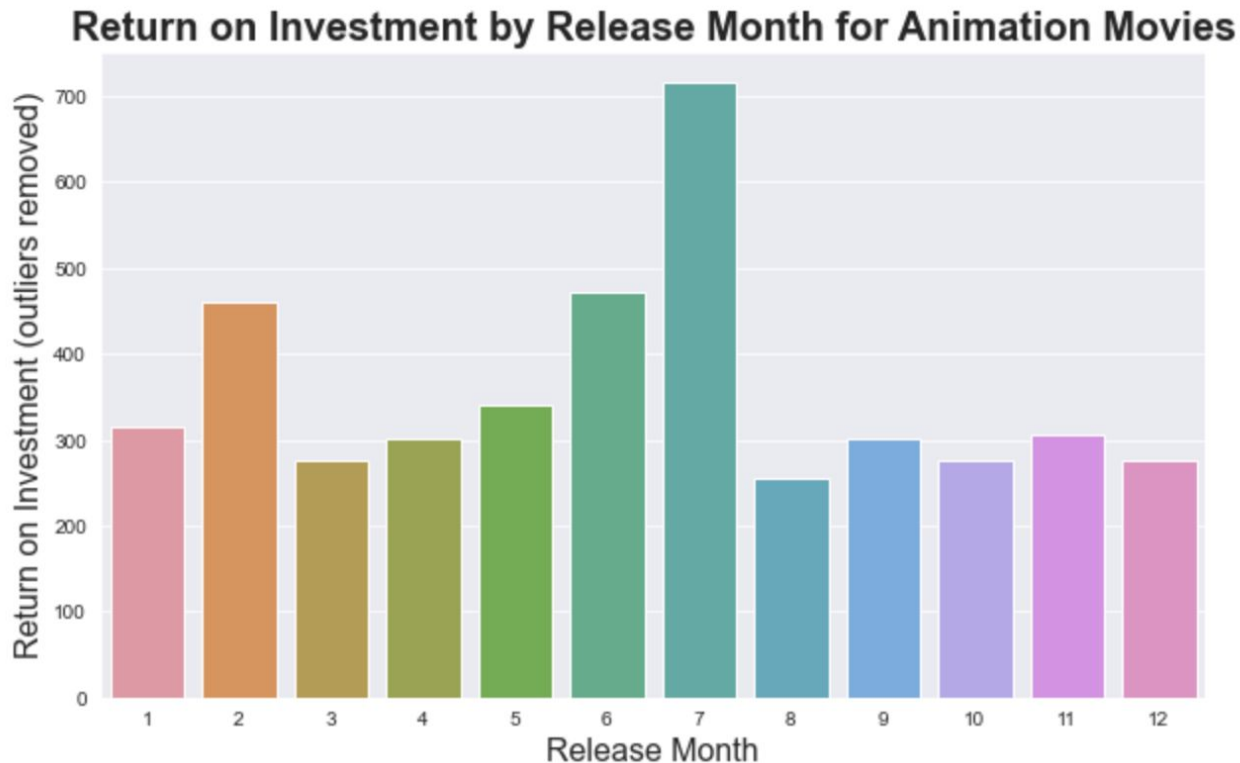
# Median ROI X Median Rating by Genre



# When to release a movie in general?

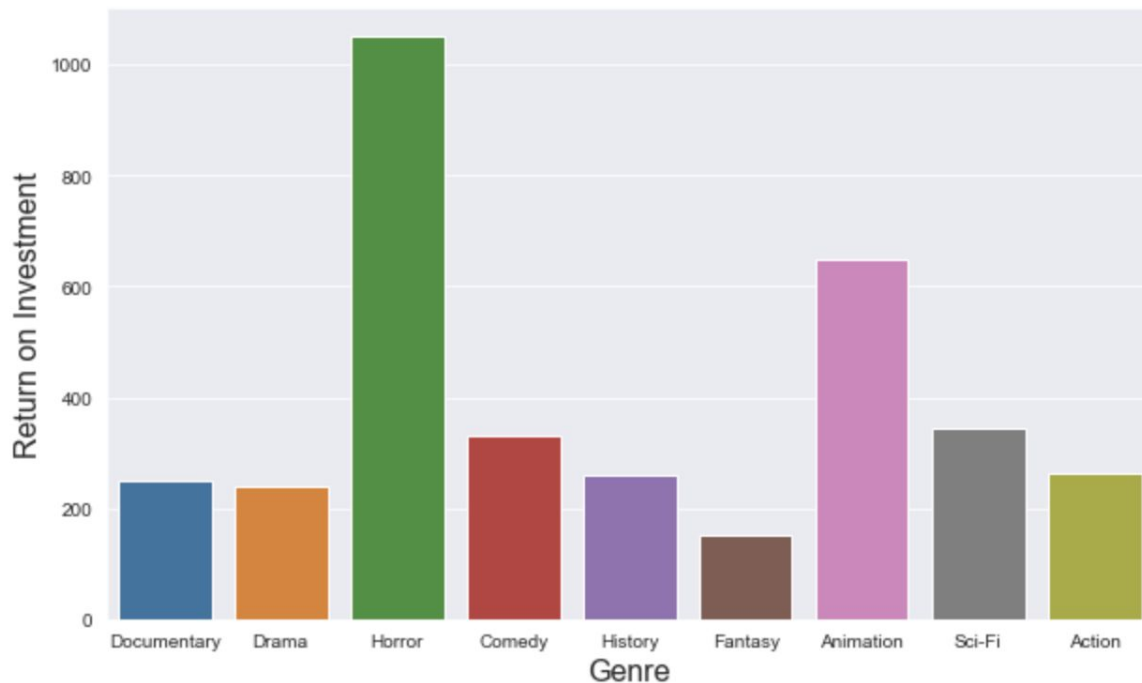


# When to release an animation movie?



# Movie Genre X ROI in July

Median Return on Investment for Movies by Genre in the Month of July



# Recommendations

- Recommend lower production budget because of less ROI as budget increases
- Release movie in July
- Recommending the Animation genre

# Next Steps

- Partnership with industry leaders?
- Types of animation?
- Where should the money go?
- Social factors?

# Questions?

# Thank You!

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