Microsoft Studio
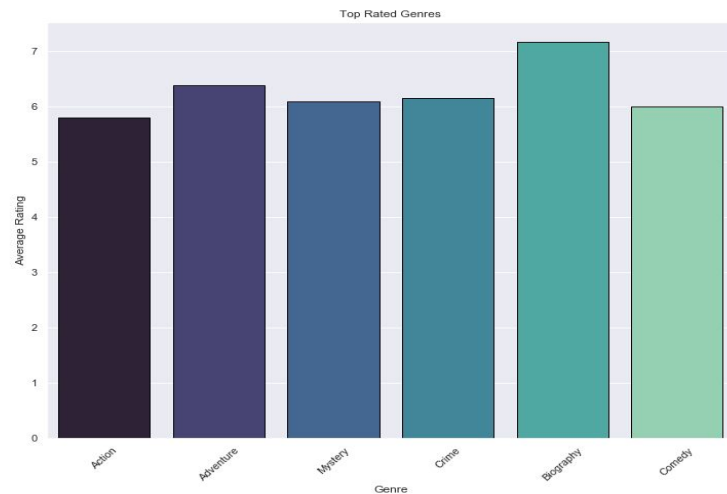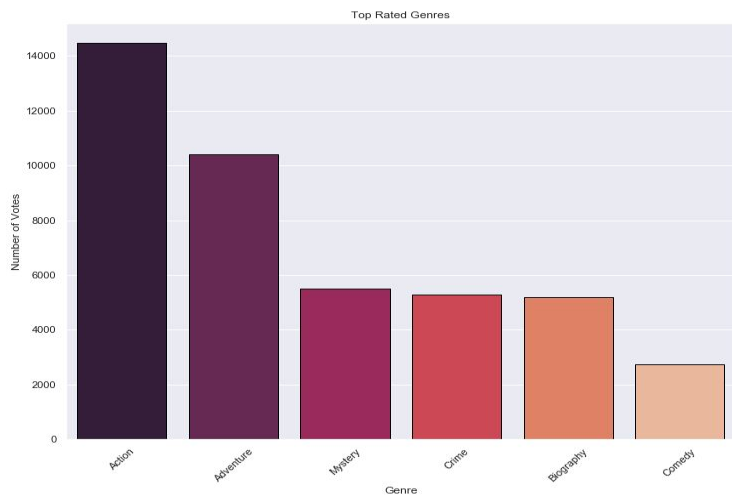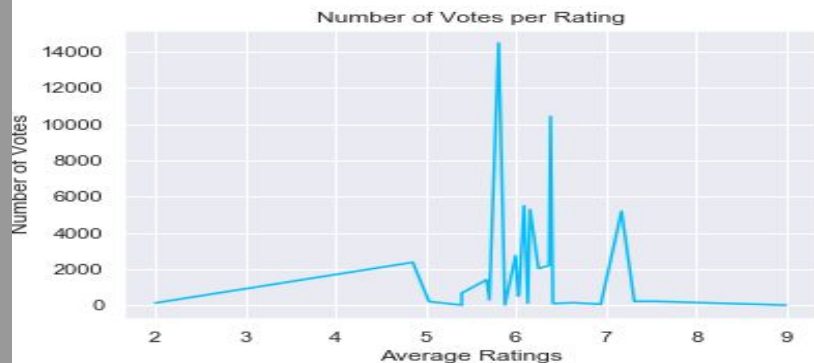
Andrew Perry - Dec, 2020

The Data used for analysis

- IMDB
  - Imdb.title.basics
  - imdb.title.ratings
- Box Office Mojo
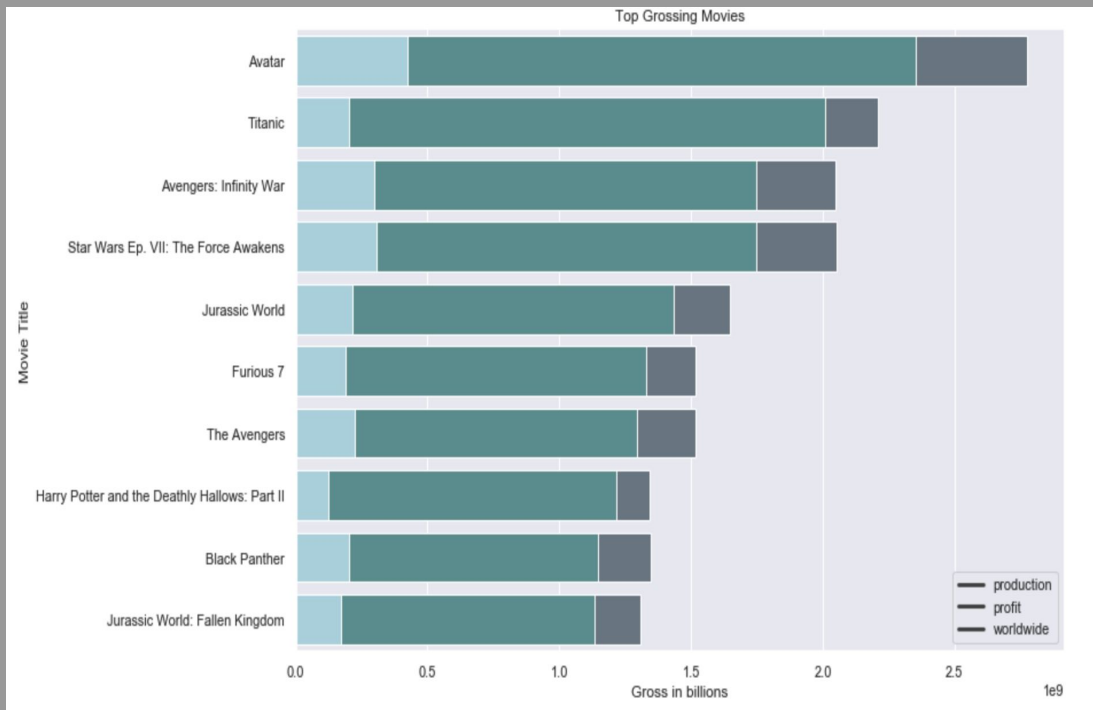 - bom.movie_gross
- The Numbers
  - Tn.movie_budgets

All of the data cleaned using Pandas

- Not seeing a relationship between the highest rated genres versus how many votes were for each rating
- The average genre rating is 6
- If you focus on any of the top genres it will be a successful movie
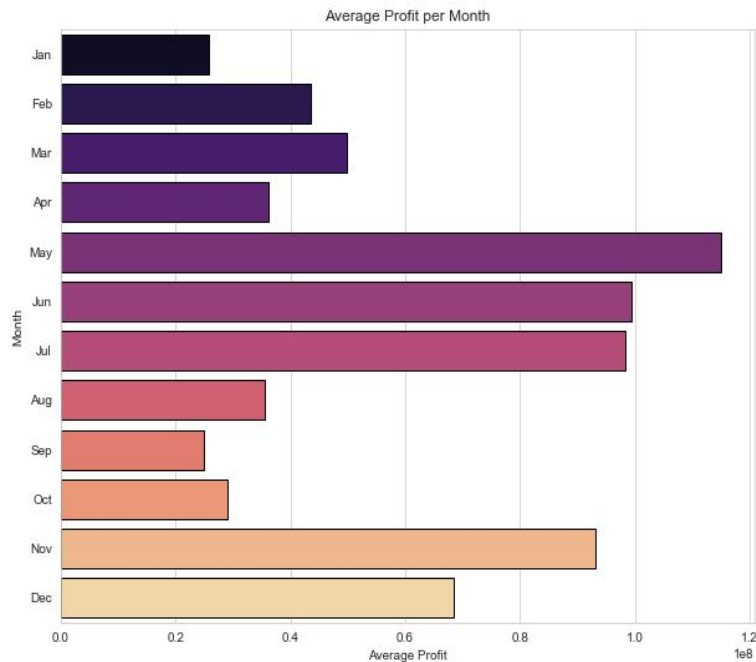

Number of Votes per Rating

Top Rated Genres

Top Rated Genres

Most Profitable Movies

- The top movies are mostly action, adventure
- Pretty low production budget compared to profit margin
-

Top Grossing Movies

When would be the best time to release a movie

Average Profit per Month

- The summer months of May, June, and July look like are the most profitable.

- May has the most average profit

- I wouldn't release a movie at the beginning of the year.

Recommendations

- Movies released around the summertime and towards the end of the year tend to be the most profitable
- Genres to focus on are Action, Adventure, and Biographies
- Have at least a audience rating of a 6 to 6.5 to be successful
- Avoid releasing a movie at the beginning of the year

Future work

- For future work I would like to see if the directors or if the different movie studios would have any effect on how successful a movie would be

- If run time and production budget had any correlation with each other

- Also I would like to see how the pandemic has affected movie studios

Thank You for your time