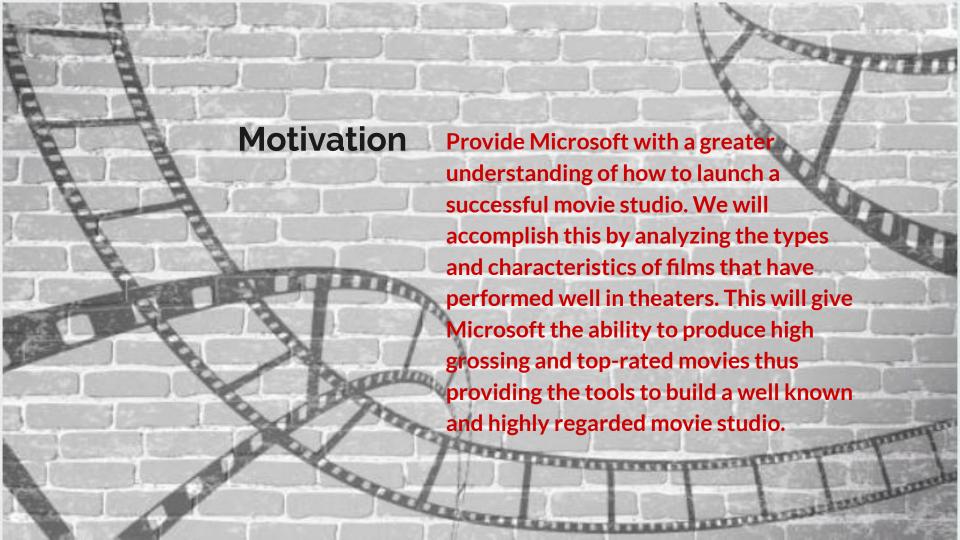
Microsoft Movie Studio Analysis

Insights into movie trends

by Joanne de Leon and Katarina Salcedo





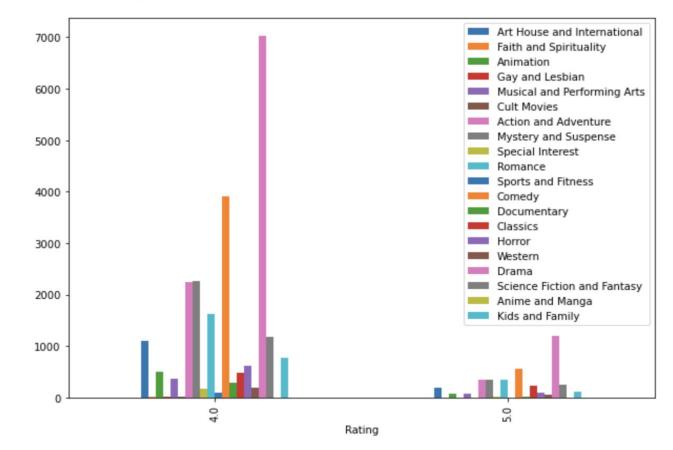


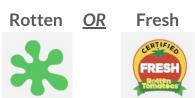
- A combination of two Rotten Tomatoes datasets containing information on movie ratings and genres.
 - This file has 33517 movie ratings from 20 different genres each containing ratings ranging from 0 to 5.

- A dataset from The Numbers that has details on film release dates, production budgets along with their domestic and worldwide gross.
 - Has information on 4387 movies with release dates ranging from 2000 to 2019.

Number of high ratings: 11855

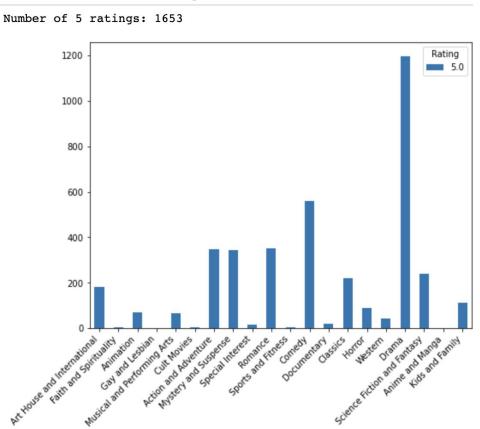
Which genres are the most popular?

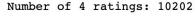


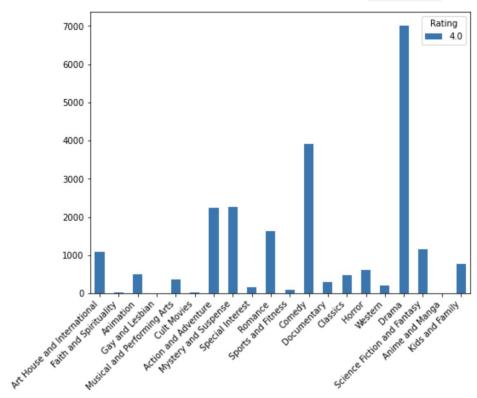


Looking Closer at top ratings





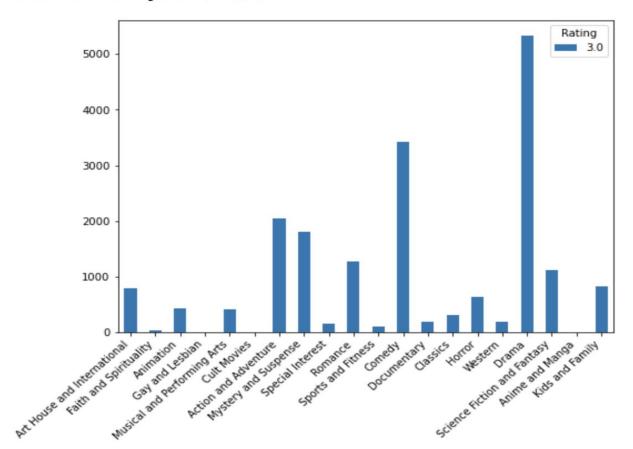




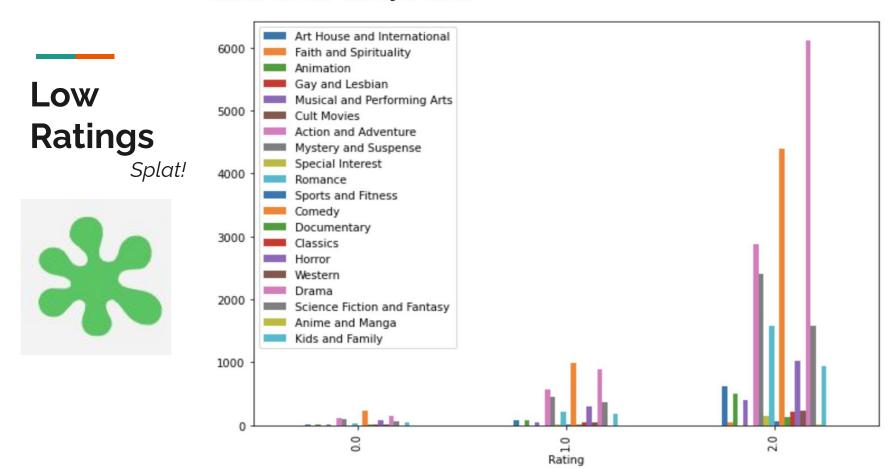
Number of ratings of 3: 8543

Average ratings



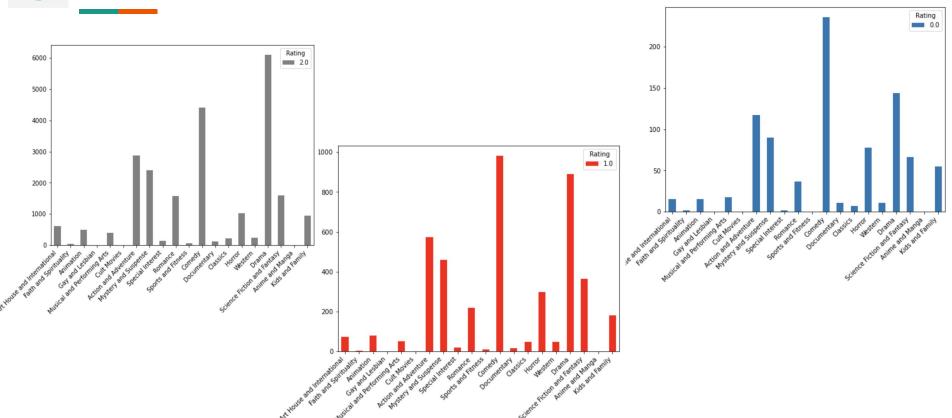


Number of low ratings: 13173





A closer look at low ratings



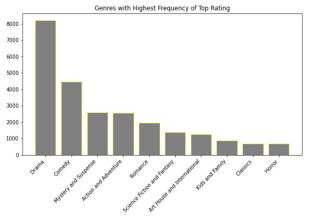
Top Ten Genres with the Most Ratings in any Category

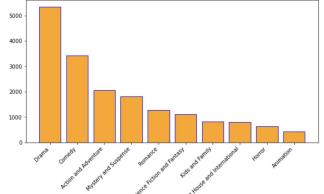




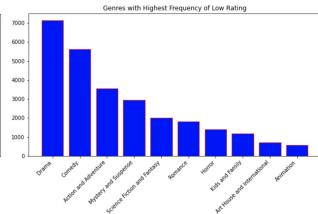








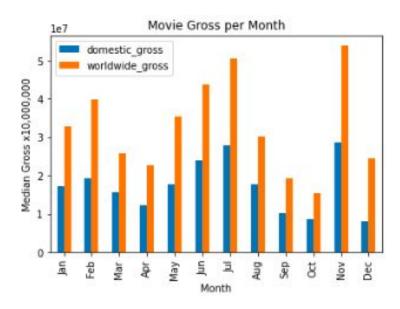
Genres with Highest Frequency of Average Rating



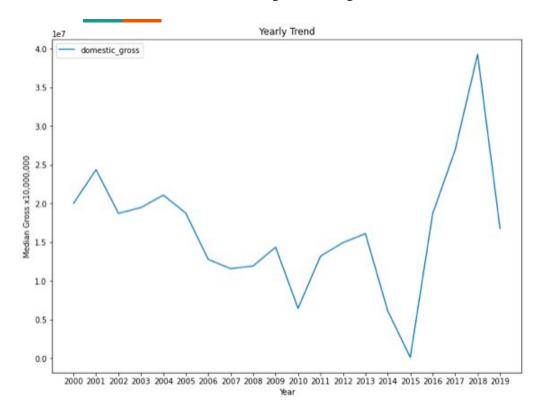


When is the best time to release movies?

We narrowed down the months which have consistently brought in the highest box office sales to June, July and November with February and May coming second to these.



What are the yearly trends telling us?





In order to provide valuable insights and help Microsoft create a successful movie studio we think it is important to know the direction in which the industry is heading. This will allow us to anticipate the coming changes and make the necessary adjustments.



Our business recommendations:

- Ten most rated genres indicate a clear path as to which films are most viewed and therefore which type of films to initially release to invigorate the public to watch the studio's releases.
- Five least rated genres specify which categories to avoid when building the prestige and viewership of the studio.
- Aim to release movies during the peak months i.e June, July and November
- In addition to releasing movies in theaters, also consider releasing to streaming services to cater to a larger audience.

Limitations/Next Steps

Some limitations of our data:

- Need more relevant data only includes up to 2019
- There is no data about the viewers rating movies

Other interesting questions/topics:

- How has this pandemic changed the ways movies are produced i.e changes in budgets and how they're released?
- What caused the spike in 2017 and 2018?
- Can investigate more into streaming services

Acknowledgements

Resources:

- https://www.rottentomatoes.com/
- https://www.the-numbers.com/

GitHub repo:

• https://github.com/klsalcedo/microsoft movie analysis/tree/main