

Microsoft Movie Analysis

Calvin Ruto

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Summary

Analysis of TheMovieDB dataset for films the head of Microsoft movies studio can publish reveals that movies whose genres are **superhero, fantasy and science fiction** are the most popular as well as best average rated movies in the current market.

Outline

- Business Problem
- Data
- Methods
- Results
- Conclusions

Business Problem

- Discover the kind of best-rated and popular movies currently trending in the market through analysis of the movies datasets.

Data

- The dataset contains more than 20000 different movies from 2030 to date.
- Includes properties like movie popularity, average_vote rating and movie titles both original and current.

Methods

Describe the methods you used here. Can include data preparation, analysis, and/or modeling

- Data preparation

Cleaned the data by removing duplicates and checking for missing values, of which there were none.

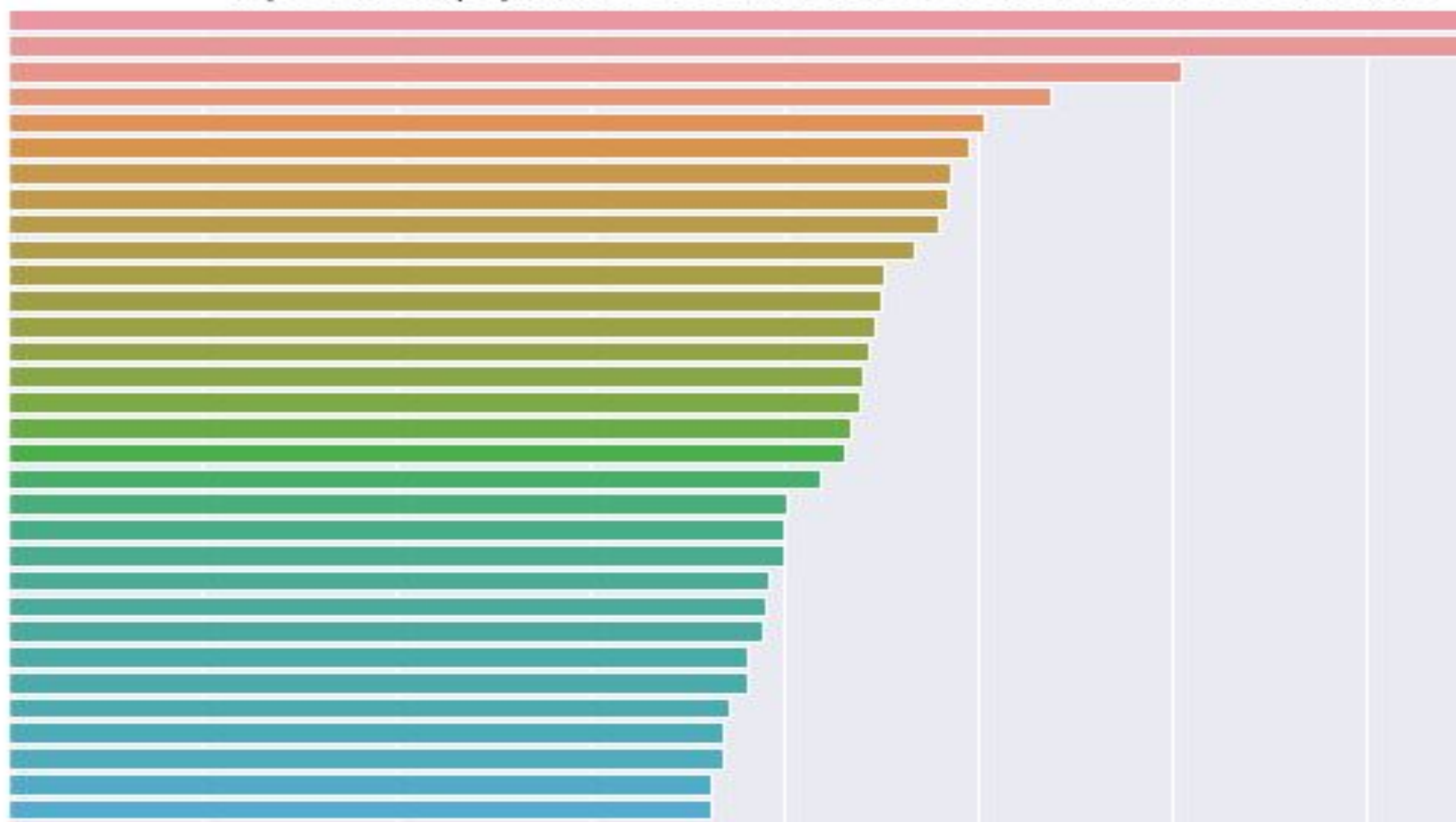
- Analysis

Performed analysis on the most popular and best rated movies. Went further and analyzed the movies that were produced after the year 2010 so as to get the current movie trends in the market.

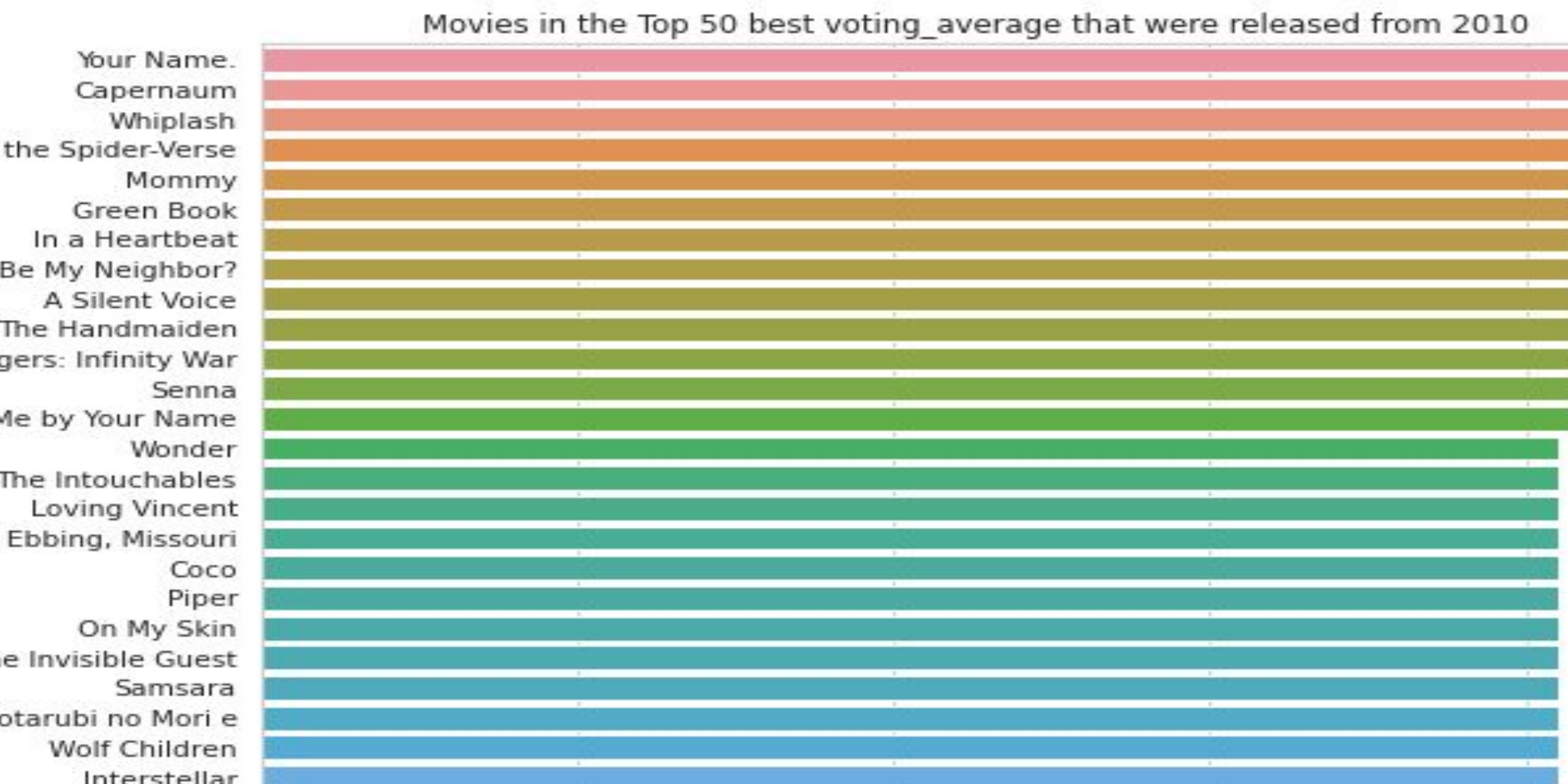
Methods

Top 50 most popular movies that were released from 2010 onwards

ers: Infinity War
John Wick
The Spider-Verse
The Five Armies
The Avengers
s of the Galaxy
The Runner 2049
of Grindelwald
ks the Internet
n: Homecoming
Wick: Chapter 2
Logan
n and the Wasp
s: Age of Ultron
Black Panther
Venom
Thor: Ragnarok
Bumblebee
s of Future Past
e Galaxy Vol. 2
Mortal Engines
Robin Hood
en: Apocalypse
erica: Civil War
Deadpool 2
Aquaman
Thor
nian Rhapsody
e Maze Runner
Big Hero 6
Incredibles 2
Green Book

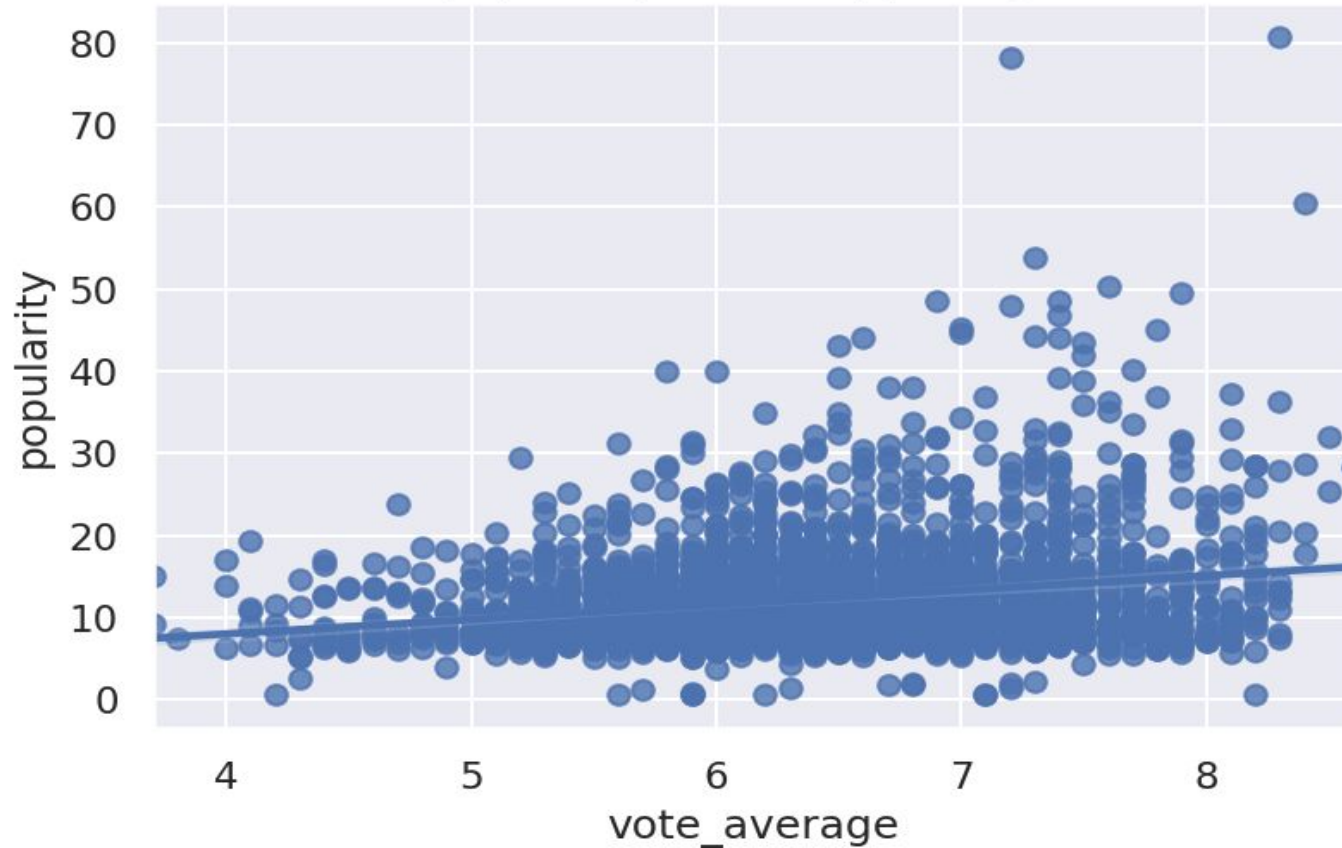


Methods



Methods

Relationship between
popularity and vote_average



The plot shows that with an increase in movie popularity, the average-rating also increases though the relationship is weak meaning such occurrences are not as common

Results

Popularity and vote average for top movies in both categories

popula
vote_a

Conclusions

After the analysis that was done on the dataset, most movies that are currently trending in the market belong to the following genres:

- Superhero.
- Science fiction.
- Fantasy.

Therefore, it is my recommendation that the Microsoft head of movie studio should make films that fall into the genres highlighted above.

However, TheMovieDB dataset was limited in that the movies did not be classified into genre names they belong to. Therefore, the analysis was limited based on this classification.

Thank You!

Email: calvin.ruto@student.moringa.[com](mailto:calvin.ruto@student.moringa.com)

GitHub: @clain6

LinkedIn: [linkedin.com/in/username/](https://www.linkedin.com/in/username/)