

Report of Worldwide Movie Development Over Several Decades

Focuses on:

- Q1. Distribution of Movie Score Based on IM Db & Rotten Tomatoed
- Q2. IM DB & Rotten Tomatoes(10x) of Each Movie
- Q3. Trend of Movie Num of Different Platforms Over Years
- Q4. Audience Age Limitation of Movies by 4 Platforms

Based on:

Database "Movies on Netflix, Prime Video, Hulu and Disney+"

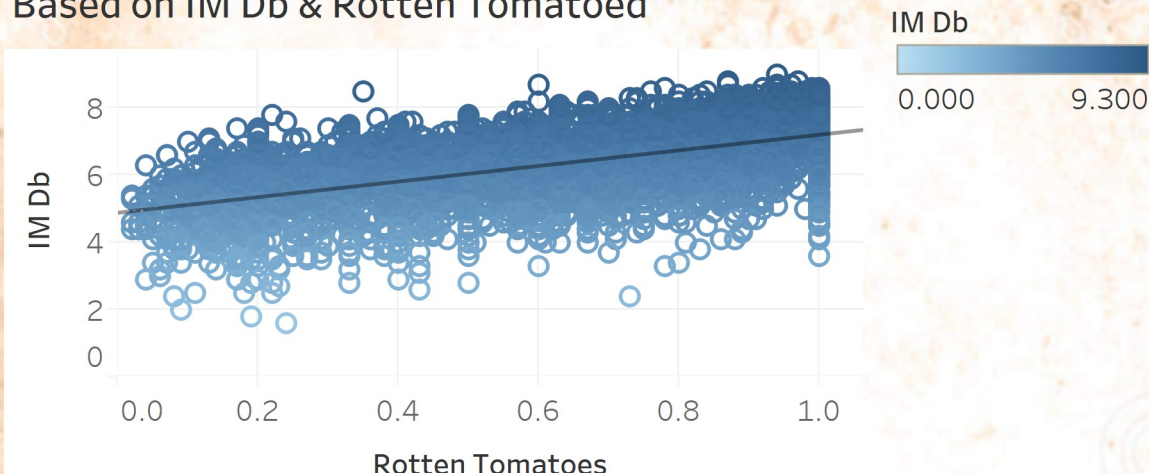
<https://www.kaggle.com/ruchi798/movies-on-netflix-prime-video-hulu-and-disney>

Presented by **Group 2**

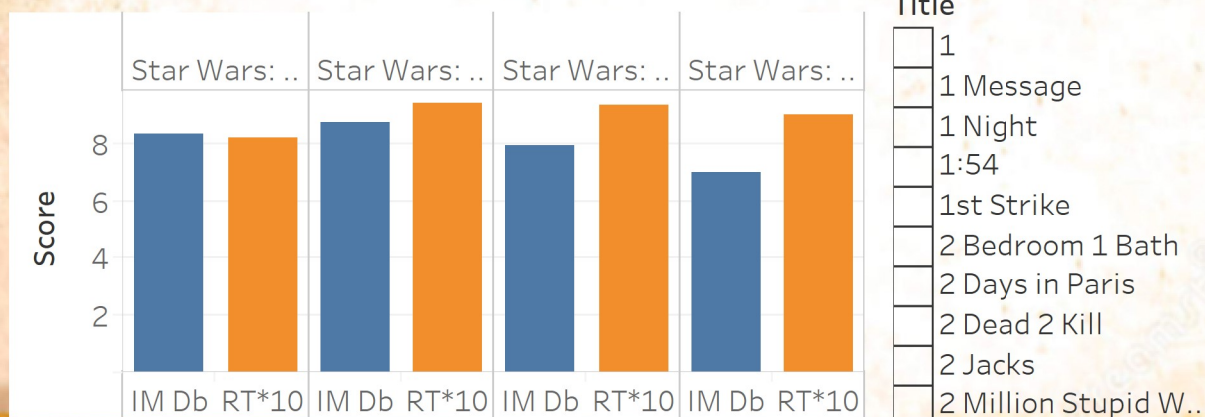
Charles Bordereau, Huimin Cao, Mengya CHEN, William Dirani, Xiao JIANG, Xingyuan PENG

03/12/2020

Distribution of Movie Score Based on IM Db & Rotten Tomatoed



IM DB & Rotten Tomatoes(10x) of Each Movie



Title

- 1
- 1 Message
- 1 Night
- 1:54
- 1st Strike
- 2 Bedroom 1 Bath
- 2 Days in Paris
- 2 Dead 2 Kill
- 2 Jacks
- 2 Million Stupid W..

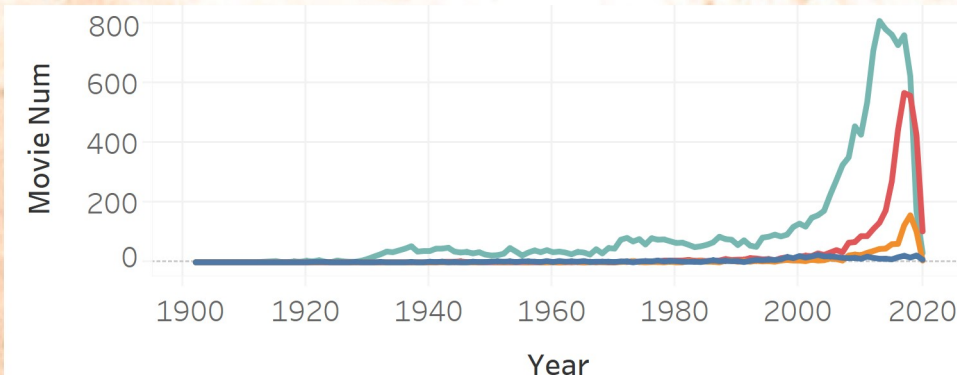
As we can see from the graphic, the distribution of movie scores is gathered around **IMDb** (User ratings of films) **between 4 to 7 points**. The **density** increases as the Rotten Tomatoes **increases** within this range.

In general, the three **top IMDb** rated movies are "The Dark Knight", "Hearing is believing", "Dave Chappelle: Sticks & Stones". **Over 160** films out of 1000 have **full Rotten Tomatoes scores**, most of which are **male-oriented** films. The information that we got from the Internet about the difference between those two scores is that **IMDb ratings** are based on the website's **users' votes**, with a little bit of mathematical re-jigging to stop certain groups disproportionately influencing the vote. This all sounds very egalitarian, but **most IMDb voters are male**, which seems to skew the rankings in favor of films that are aimed more towards men.

Conversely, Rotten Tomatoes ranks selected **critics' reviews**, and tweaks the rankings to favour films with a large number of positive reviews. Contrary to IMDb scores, most of **Rotten Tomatoes' established critics are men**.

To a significant extent, these two scores represent male and female viewers' preferences for the selected 1000 films on Netflix. To eliminate the influence of **gender preference** towards movies, we combined these two scores and selected the **three most popular film** as follows: "The Dark Knight", "The Good, the Bad and the Ugly", "Stop Making Sense".

Trend of Movie Num of Different Platforms Over Years

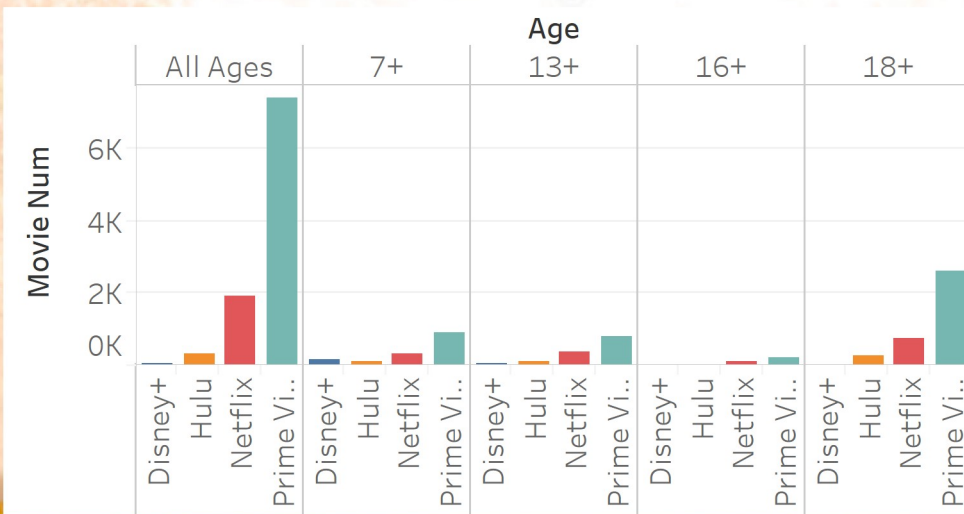


Platforms

- Disney+
- Hulu
- Netflix
- Prime Video

The line-chart above shows the number of films published by four platforms between 1900 and 2025. Before 2012, those four platforms are all had a rapid growth. Especially In the first ten years of the 20th century, the movie market underwent a period of rapid expansion. And the Prime Video stayed ahead of the game. They published 811 movies in 2013 which is the highest publish record in history. Five years after 2010, the industry was in a slump. The circulation of four platform dropped off. Netflix took the first place in 2019. Because Disney+ has kept his small scale production, he seemingly unaffected by the quakes of market through the showing data.

Audience Age Limitation of Movies by 4 Platforms



Almost all platforms have their best productivity in films suitable for all ages, compared to other age-limited films, especially Prime Video ranking 1st & reaching around 7300 films much more than the 2nd Netflix with 1883 movies following it and Hulu, the 3rd having just over 300 ones. The only exception is the movies produced by Disney which seemingly focuses more on the audience aged 7+ (179 films) than on all ages (64 films).

Meanwhile, 2600+ films for audience aged 18+ also contribute a lot, accounting for the second most, to Amazon's Prime Video; then it takes the same effort on those for 7+ and 13+, both with approximately 900 films; finally, the least part is those for 16+. Similarly, both Netflix and Hulu have the investment in the similar proportion of movie number for the divergent age groups as Prime Video, however generally, the former one with much less productivity than Prime Video, and the later one does even more so.