



**IMDb
&**



Rotten Tomatoes

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Nashville Software School

A decorative border consisting of black film strips with white sprocket holes, arranged in a circular pattern around the central text boxes.

Project Focus

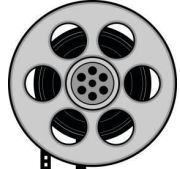
I am analyzing IMDb's Top 250 Movies list with Rotten Tomatoes ratings.

Sources

- IMDb Top 250 Movies
- Rotten Tomatoes
- Motion Picture Association (MPA)

Technologies

- Python
 - Webscraped
 - Analyzed Data
 - Jupyter Notebook Visuals



Important Notices

Rotten Tomatoes and IMDb Scoring System

Rotten Tomatoes separates critics and audience scores (both a percentage of 100). Because IMDb does not include or have its own critics score, I will only be using audience scores.

IMDb is scored on the scale of 1 to 10 stars; this was turned into a percentage.

Ratings

Before the modern MPA rating system for movies, there was the **Hayes' Code** which basically only decided if a movie was deemed moral or immoral for general audiences. Thus, some movies have an “approved” or “passed” rating, which was combined as “approved.”

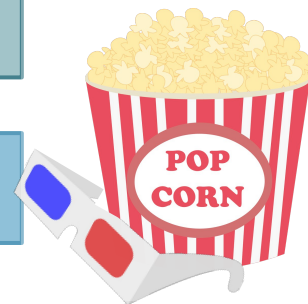
Language

French (France) & French (Canada) = **‘French’**

English (American) & English (United Kingdom) = **‘English’**, etc.

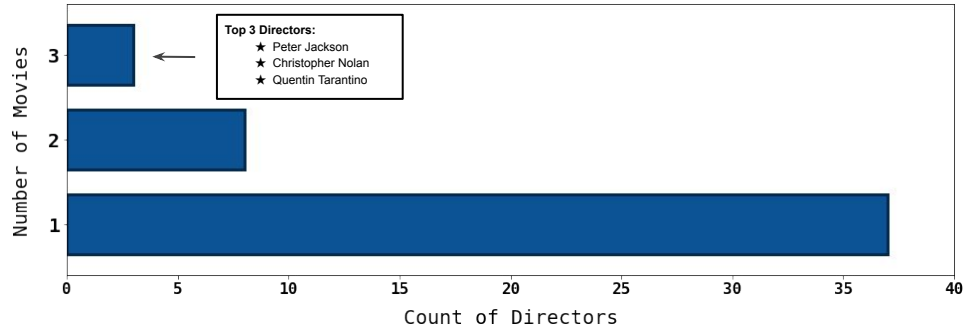
Genre

The genre count could be higher than 250 because movies have more than one.

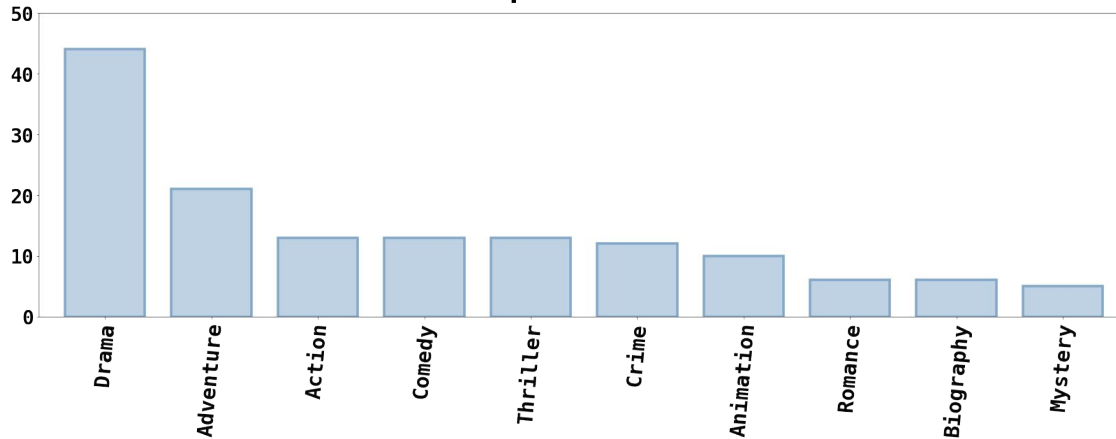


Top 25% of Award Winning Movies

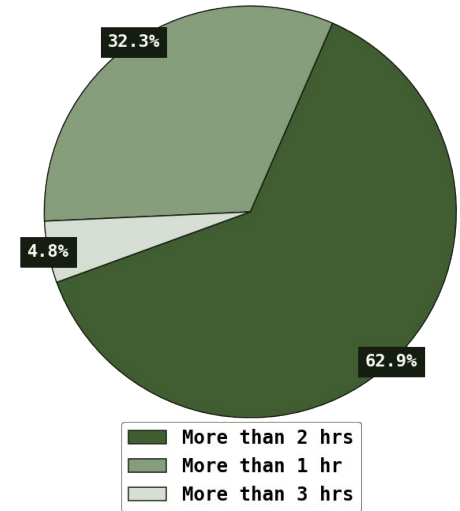
Total Directors by Movies Directed



Top 10 Genres

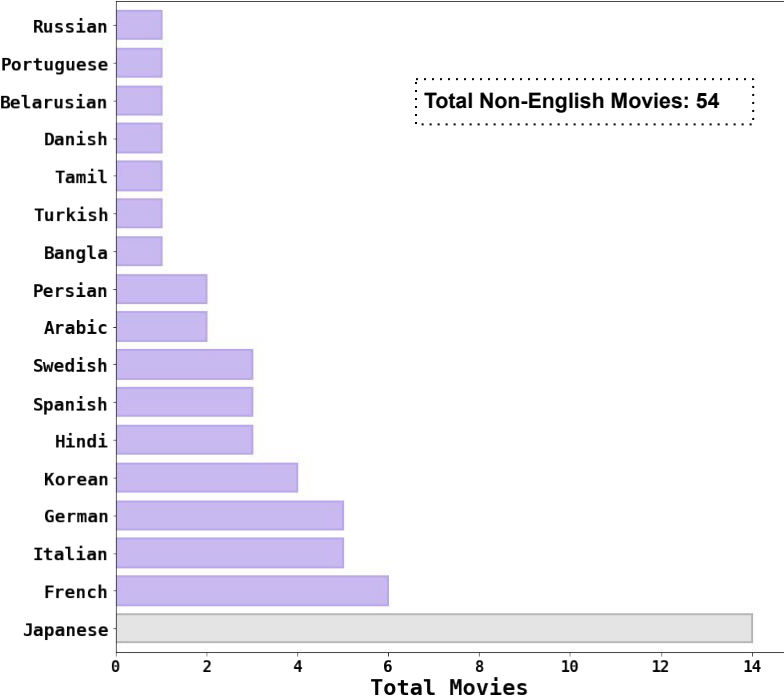


Overall Runtime



Language

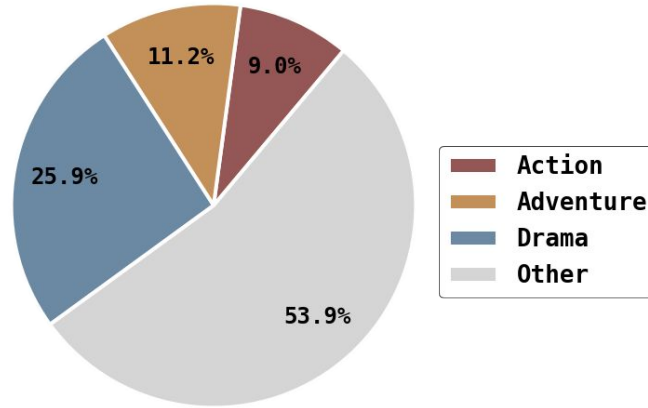
Breakdown of Non-English Movies



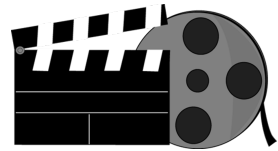
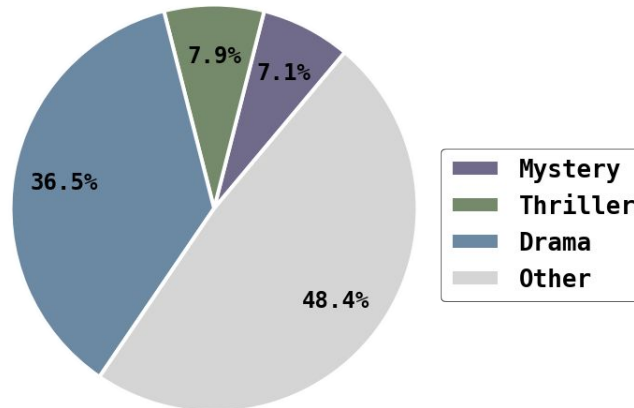
Language Continued...

Top 3 Genres

English



Non-English

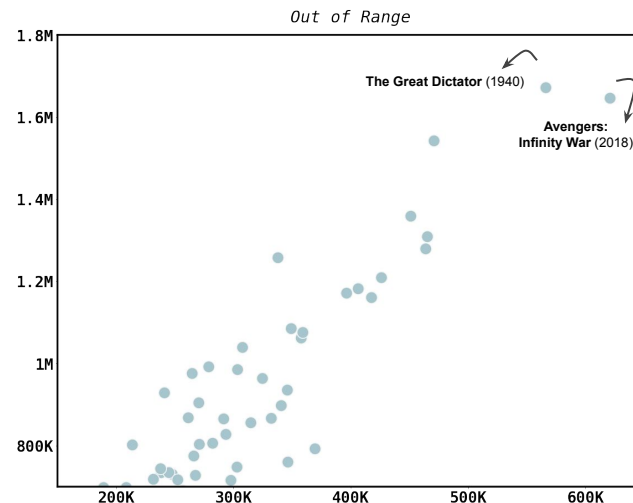
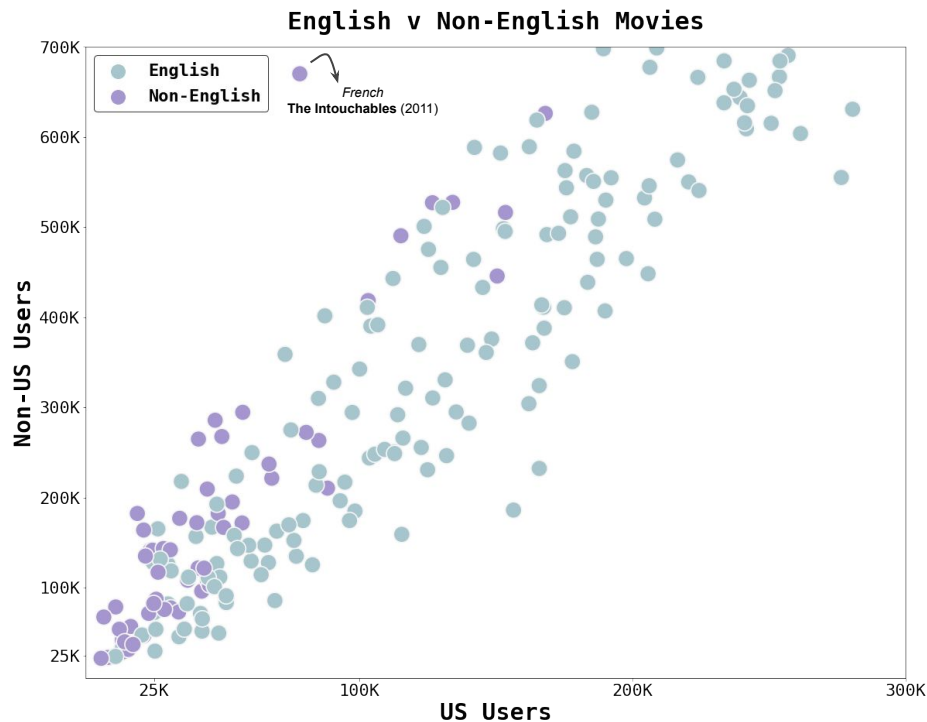




US v Non-US

IMDb Reviewers

NOTE: This based on reviewer location, not citizenship.



THE 3 'R'S



RUNTIME

RELEASE

RATING



Runtime

**Average
Runtime**

129 mins

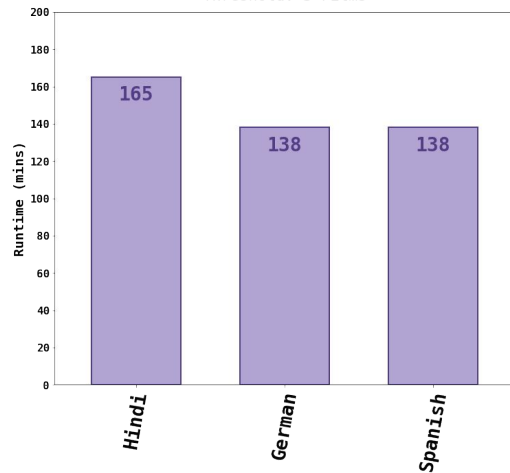
**Longest
Movie**

238 mins
Gone with the Wind
(1924)

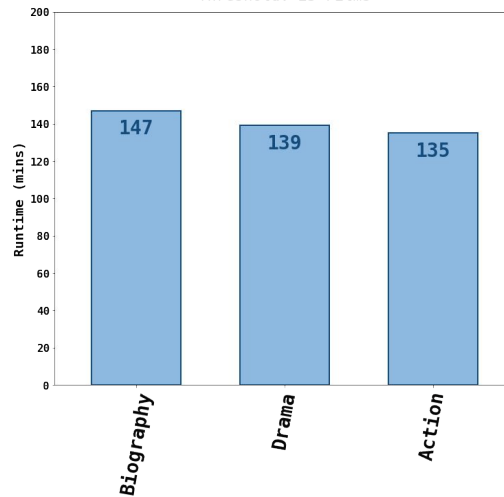
**Shortest
Movie**

45 mins
Sherlock Jr.
(1924)

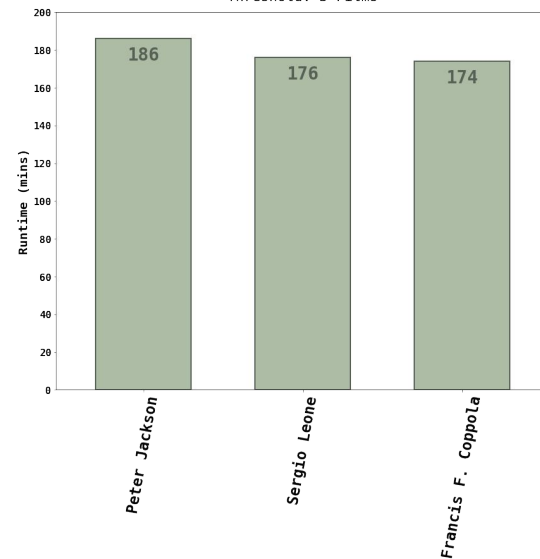
TOP 3
AVG Runtime by Language
Threshold: 3 Films



TOP 3
AVG Runtime by Genre
Threshold: 25 Films



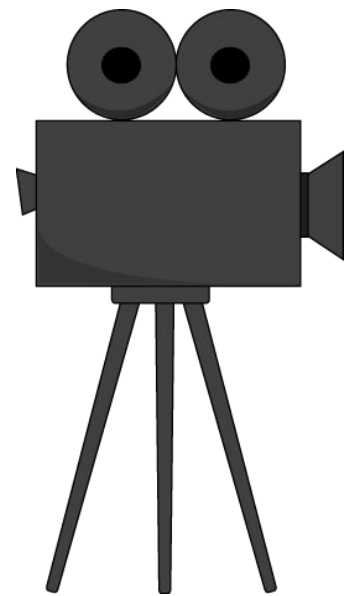
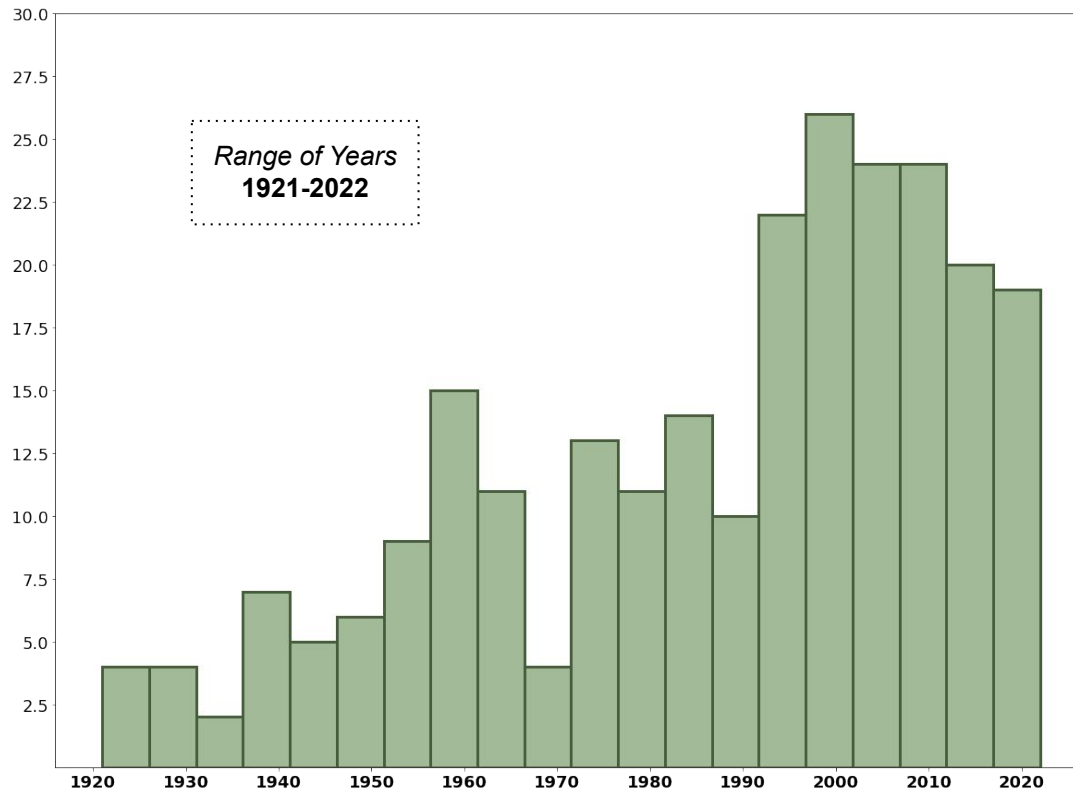
TOP 3
AVG Runtime by Director
Threshold: 3 Films



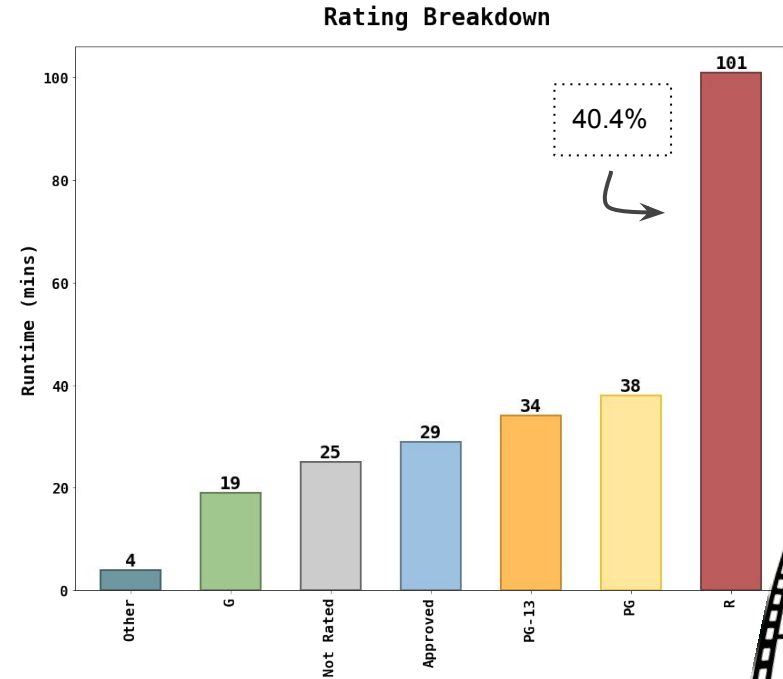
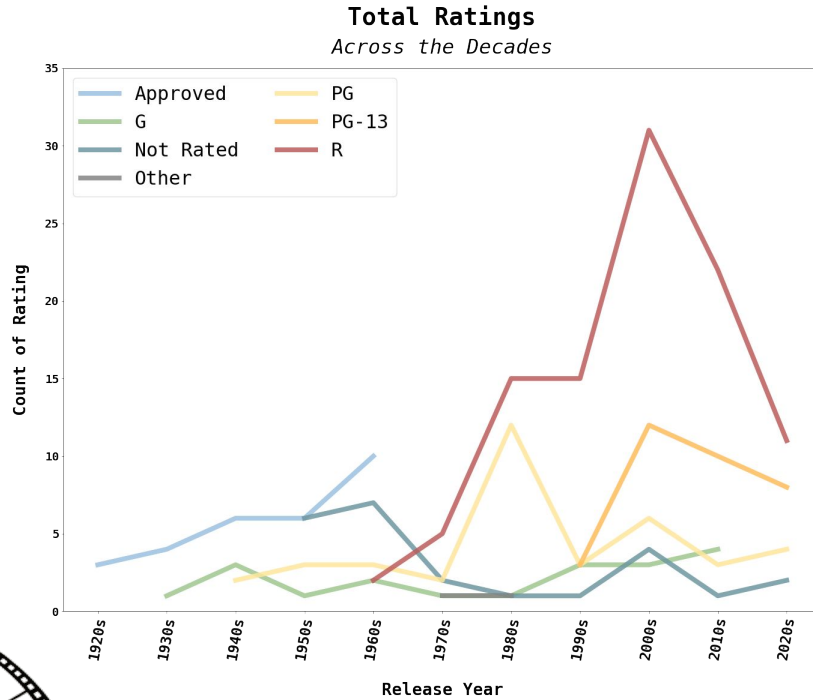
Release

DISTRIBUTION

Movie Release Years through the Decades

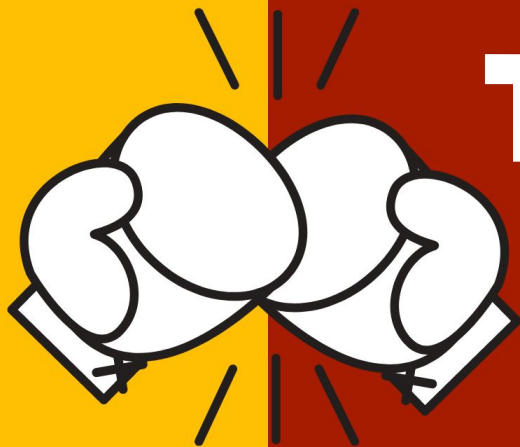


Rating



SHOW DOWN

IMDb

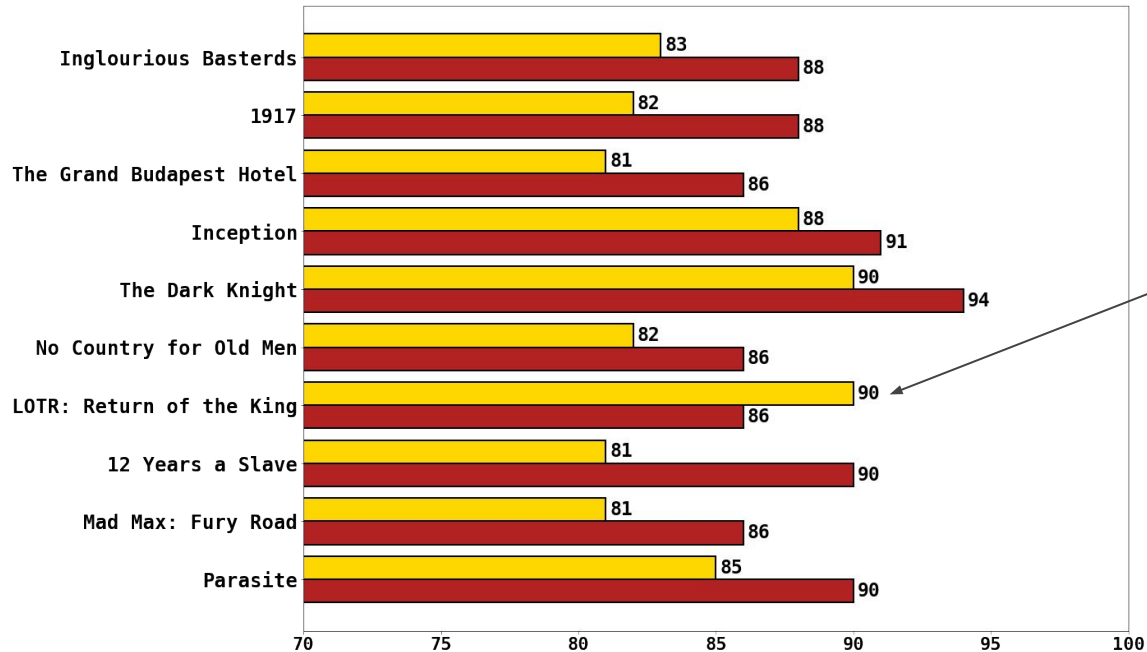


**Rotten
Tomatoes**

Award Winning

- **Greatest Difference:** 12 Years a Slave 9%
- **Highest Rotten Tomatoes:** The Dark Knight 94%
- **Least Difference:** *Inception 3%
- **Highest IMDb:** The Dark Knight & LOTR (tie) 90%

Top 10 Award Winning Movies



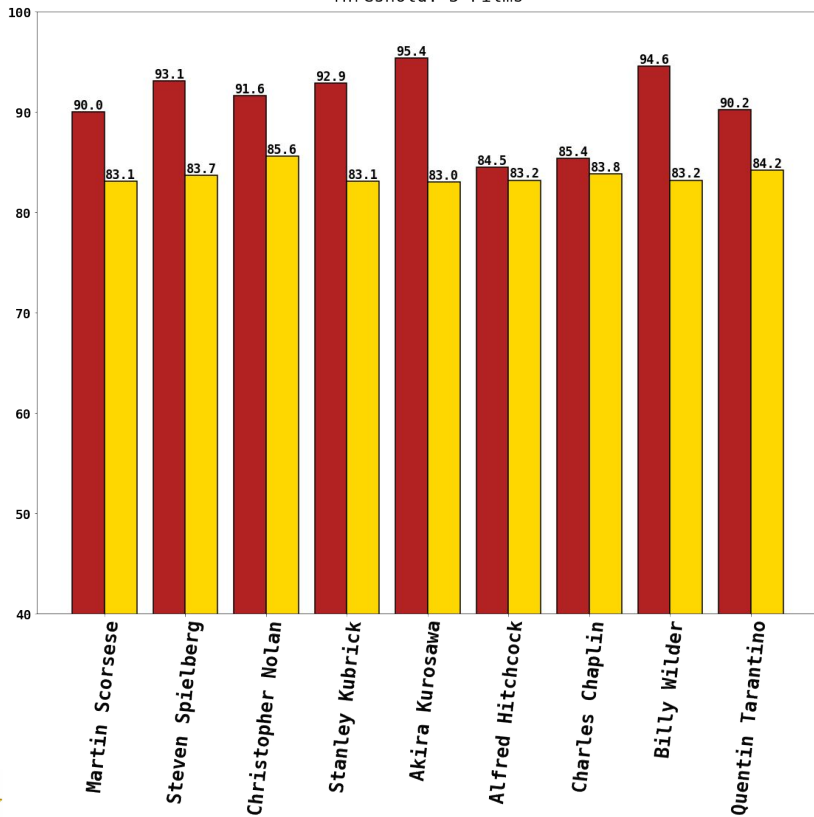
**The only example
where IMDb has a
higher score than
Rotten Tomatoes*





AVG Rotten Tomatoes & IMDb Scores per Director

Threshold: 5 Films



Director

- **Greatest Difference:** Akira Kurosawa 12.4%
- **Least Difference:** Alfred Hitchcock 1.3%
- **Highest Rotten Tomatoes:** Akira Kurosawa 95.4%
- **Highest IMDb:** Christopher Nolan 85.6%

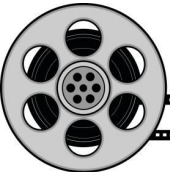
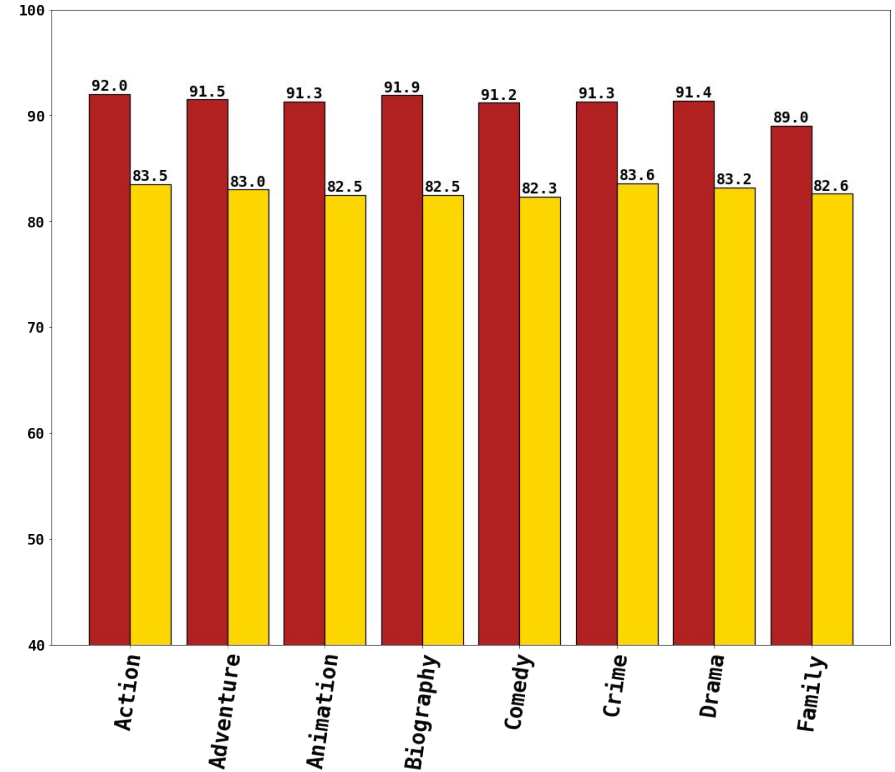


Genre

- **Greatest Difference:** Biography 9.4%
- **Least Difference:** Family 6.4%
- **Highest Rotten Tomatoes:** Action 92.0%
- **Highest IMDb:** Crime 83.6%

AVG Rotten Tomatoes & IMDb Scores per Genre

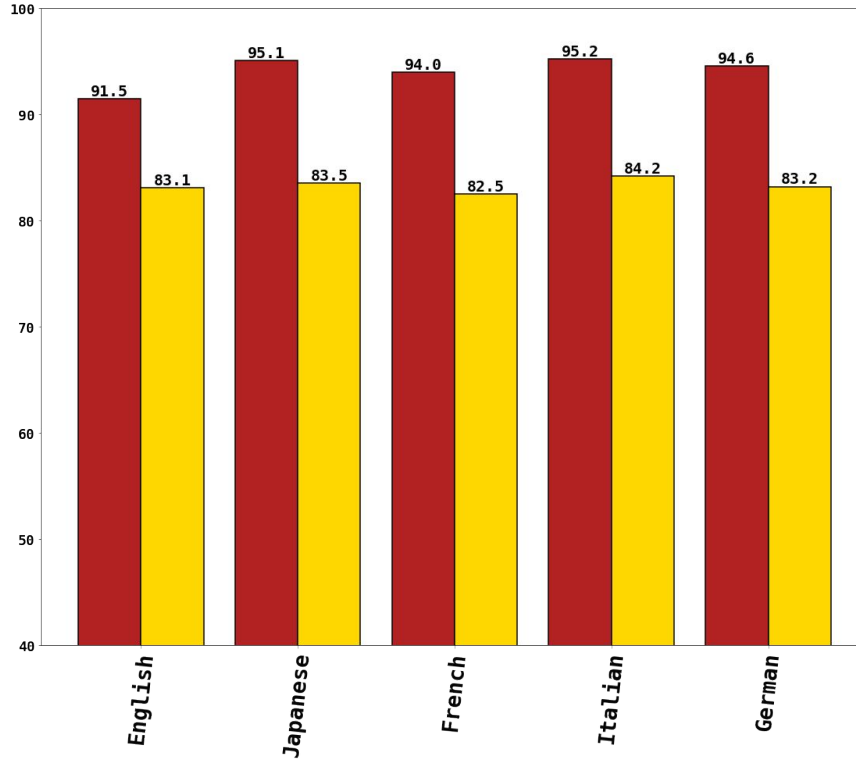
Threshold: 25 Films





AVG Rotten Tomatoes & IMDb Scores per Language

Threshold: 5 Films



- **Greatest Difference:** Japanese 12.7%
- **Least Difference:** English 8.4%
- **Highest Rotten Tomatoes:** Italian 95.2%
- **Highest IMDb:** Italian 84.2%

Is one score site “better” than the other?

	IMDb	Rotten Tomatoes
PRO	More Detailed Breakdown of Reviewers & IMDb Pro	Critic & Audience Scores
CON	No Critic Scores (uses Metascore)	Contains More Errors i.e. Typos, Incomplete Information & Review Counts Not Exact



*Through this analysis, if there had to be a
site that comes out on top...*

...the winner would be...



Thank You