Data Visualisation Exam

Visualisations using movie data from IMDb.com

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Topic and dataset introduction

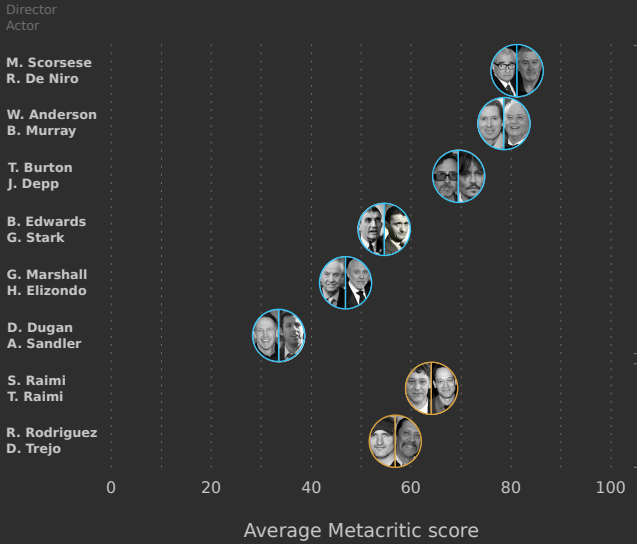
Topic: Movies and movie reviews.

Dataset details:

- Can be obtained through this GitHub repository;
- Contains information scraped from the IMDb website;
- 58623 movies, from 1910 to 2019;
- Useful fields: `title`, `year`, `user_rating`, `votes`, `metascore`, `actors`, `genre`, `directors`;

Addressed questions

- Which are the most prolific director/actor couples? Do they make good movies?
- Do women directors cast more women actresses than male directors?
- Which are the movies where users and critics disagree the most?



Great (?) couples

Most prolific director-actor couples
and their average Metacritic score

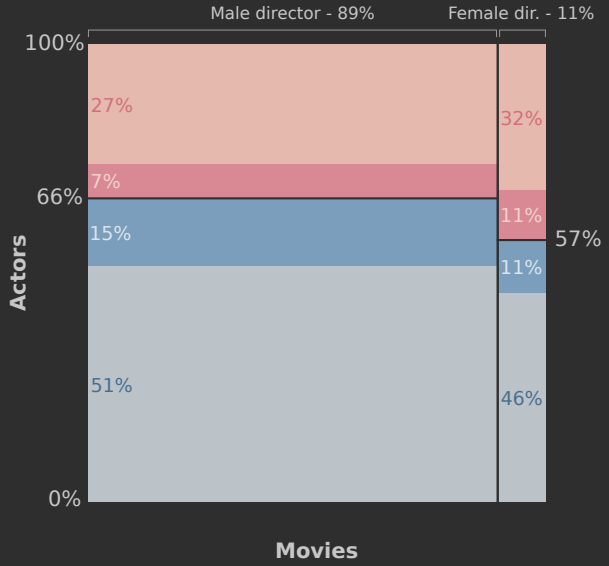
Actor/director

Most prolific actor/directors
who acted in their own movies

C. Eastwood
Acted in **20** of his movies
Average metascore: **65**

W. Allen
Acted in **18** of his movies
Average metascore: **69**

Data source: https://github.com/dojutsu-user/IMDB-Scraper



Are **women directors** more **egalitarian**?

Based on IMDB data, 24826 movies from 2000 to 2018

Female actors

Male actors

Darker shades highlight **protagonist roles**
(= first three actors in credits order)

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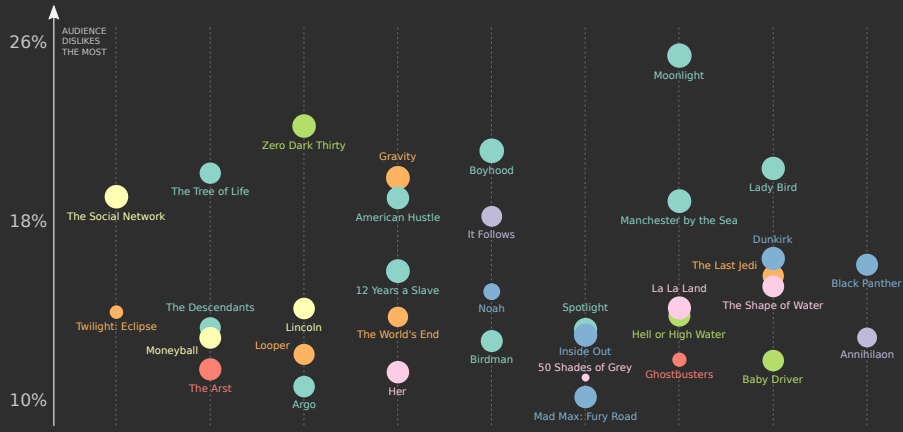
Loved by critics, not so much **by audiences**

% gap between Metacritic critics score and IMDB user scores, targeting movies with more than 150000 user ratings



Data source: https://github.com/dojutsu-user/IMDB-Scraper

Individual contributions

- Dataset parsing: Fallacara, Indri;
- Actor/director couples visualisation: Fallacara;
- Women directors visualisation: Indri;
- Critic gap visualisation: Fallacara, Indri;
- Aesthetic refinements: Indri.

References

[1] Dataset: Imbd-scraper.
https://github.com/dojutsu-user/IMDB-Scraper/.

[2] Github repository containing code and visualisations.
https://www.github.com/pindri/DV_exam/.

[3] Imdb - ratings and reviews for new movies and tv shows.
https://www.imdb.com/.

[4] Metacritic - movie reviews, tv reviews, game reviews, and music reviews.
https://www.metacritic.com/.