

DATA VISUALISATION EXAM

VISUALISATIONS USING MOVIE DATA FROM [IMDb.COM](https://www.imdb.com)

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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?

Director
Actor

M. Scorsese
R. De Niro

W. Anderson
B. Murray

T. Burton
J. Depp

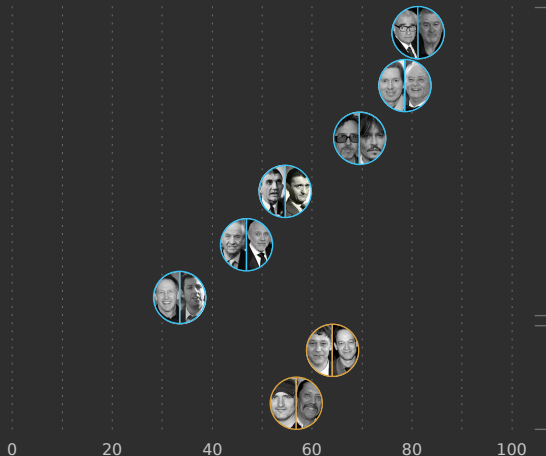
B. Edwards
G. Stark

G. Marshall
H. Elizondo

D. Dugan
A. Sandler

S. Raimi
T. Raimi

R. Rodriguez
D. Trejo



Average Metacritic score

Great (?) couples

Most prolific director-actor couples
and their average Metacritic score

Actor/director

Most prolific actor/directors
who acted in their own movies



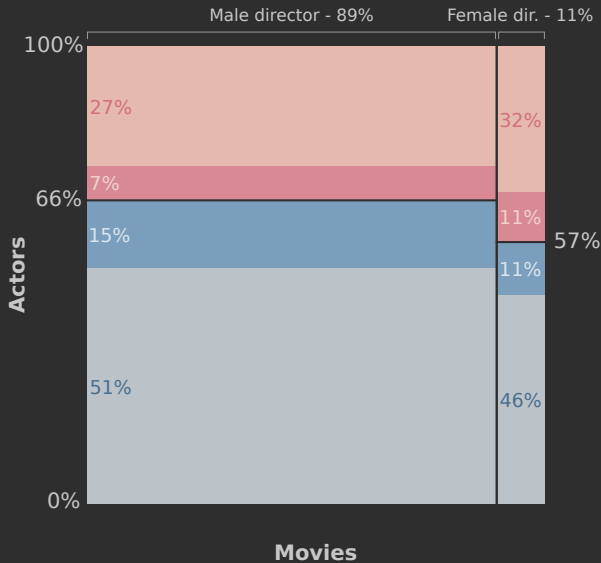
C. Eastwood

Acted in **20** of his movies
Average metascore: **65**



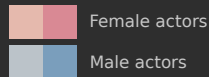
W. Allen

Acted in **18** of his movies
Average metascore: **69**



Are women directors more egalitarian?

Based on IMDB data, 24826 movies from 2000 to 2018



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

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

Loved by critics, not so much by audiences

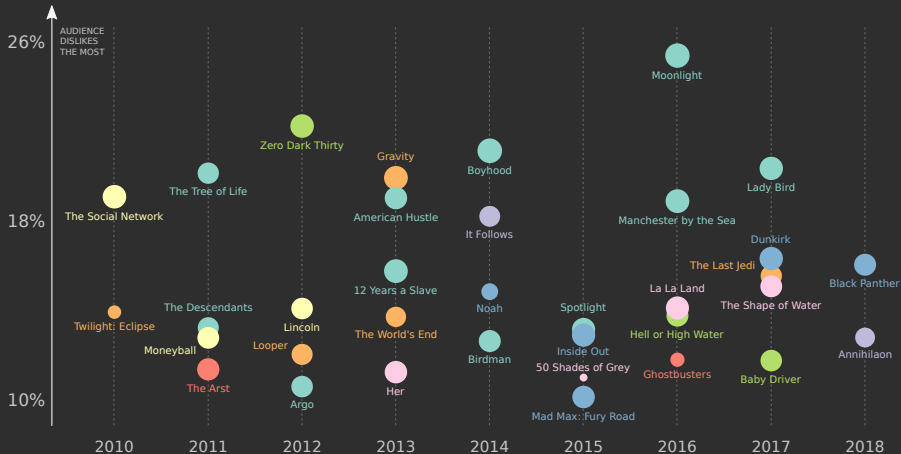
% **gap** between Metacritic critics score and IMDB user scores,
targeting movies with more than 150000 user ratings



Metascore



Action / Adventure Biography Comedy Drama
Horror Romance Sci-Fi / Fantasy Thriller



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] Imdb - ratings and reviews for new movies and tv shows.
<https://www.imdb.com/>.
- [3] Metacritic - movie reviews, tv reviews, game reviews, and music reviews.
<https://www.metacritic.com/>.