## DATA VISUALISATION EXAM

VISUALISATIONS USING MOVIE DATA FROM IMDB.COM

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## TOPIC AND DATASET INTRODUCTION

**Topic:** Movies and movie reviews.

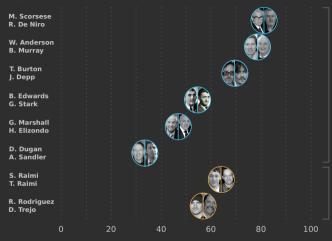
#### Dataset details:

- ► 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?
- ▶ Do users agree with critics' ratings?

Director Actor



**Great** (?) couples

Most prolific director-actor couples and their average Metacritic score

3 movies together

#### Actor/director

Most prolific actor/directors who acted in their own movies

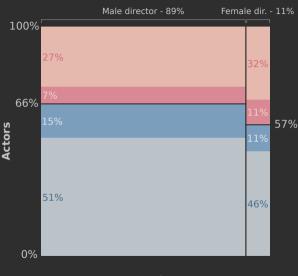


C. Eastwood
Acted in 20 of his movies
Average metascore: 65



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

Average Metacritic score



# 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)

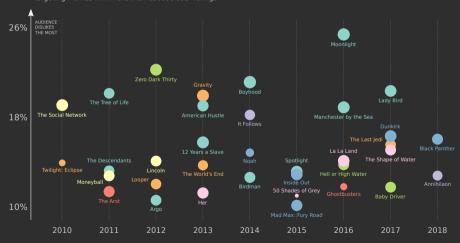
Movies Data source: https://github.com/dojutsu-user/IMDB-Scrape

## **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



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



## 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/.