

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

Director  
Actor

**M. Scorsese**  
**R. De Niro**

**W. Anderson**  
**B. Murray**

**T. Burton**  
**J. Depp**

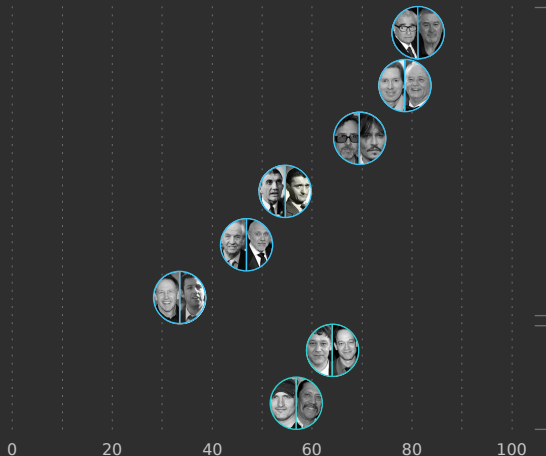
**B. Edwards**  
**G. Stark**

**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

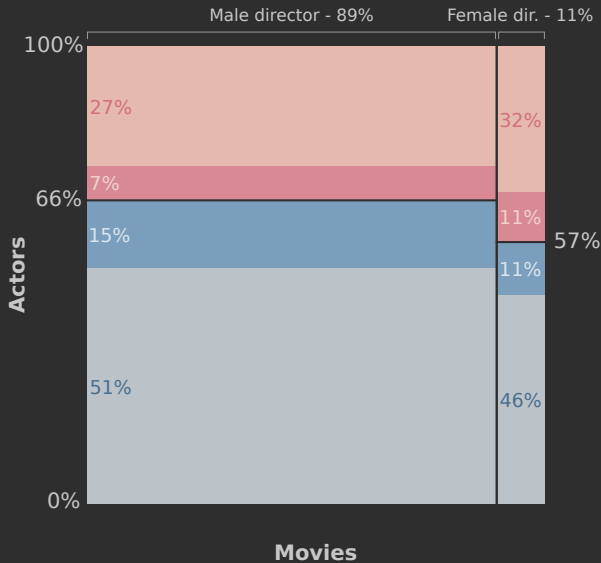
Most prolific actor/directors  
who acted in their own movies



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

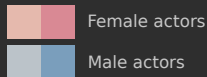


**W. Allen**  
Acted in **18** of his movies  
Average metascore: **69**



# 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



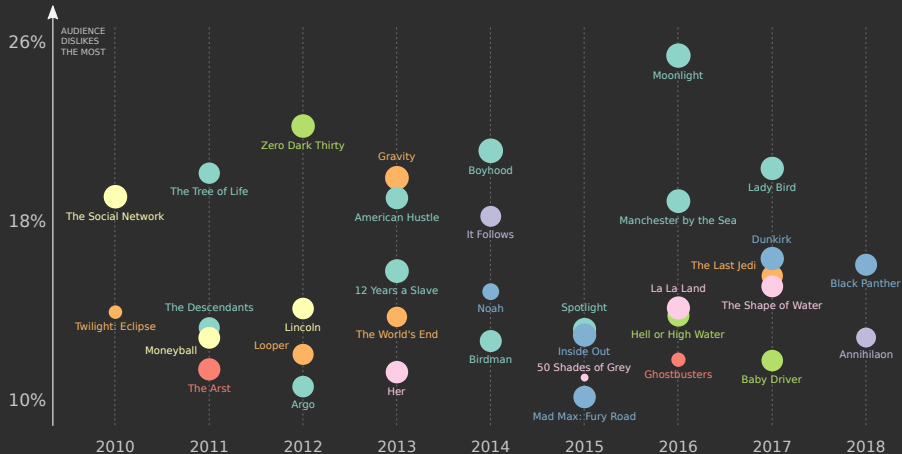
Metascore

Max: 10

Min: 4.6

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/>.