

IMDb Movie Stereotyper

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Objective

Predict the rating of a movie given information such as,

- Genre of the movie,
- Year of the movie, and
- A list of actors in the movie.

If time permits, the model could also judge the movie based on

- Its title,
- A (human-readable) summary of the plot, and
- The cover art of the movie (yes, we would judge the movie by its cover).

Technologies

To approximate the rating of the movie based on its genre, year, and list of actor, regression would suffice. Given the overwhelming size of the dataset, **gradient descent** might be the best choice.

To approximate the rating based on its title or summary, it would take **natural language processing** techniques.

Convolutional neural networks might help judge the movie by its cover.