

DEMFLIX

by demi dao

Why DEMFLIX?

- Movie recommendation blog based on IMDb rating
- 0-10 scale by 0.1 increment

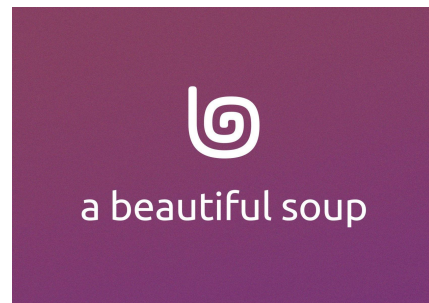


Methodology

Data

- Movie production data by IMDb Pro² and The Movie DataBase³
- Top 100 movies from 2014 - 2018

Tools



Process

Train data on various models

Select best model based on
metrics

Process

- Root mean square error
- k-Fold cross-validation
- Optimal alpha

Results

LASSO model was
chosen for predictive
modeling

Linear 0.791	Ridge 0.790	LASSO 0.7738
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Upcoming movie rating predictions



7.1



6.3



7.5

Future work



- Include more movie data with a greater variety of ratings
- Investigate trends
- More optimal metric base recommendations

Thank you!

Appendix

1. <https://www.expatistan.com/price/movies/san-francisco>
2. <https://pro.imdb.com/signup/index.html?u=https%3A%2F%2Fpro.imdb.com%2F>
3. <https://www.themoviedb.org/>
4. Link to GitHub: <https://github.com/daodemi/MovieRatingRegression>
5. About 4% of data (foreign films and NAs) was omitted.
6. [IMDb ratings explained](#)