DEMFLIX

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Why DEMFLIX?

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

Methodology

Data

- Movie production data by IMDb Pro[2] and The Movie DataBase[3]

- 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	Ridge	LASSO
0.791	0.790	0.7738

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 reccomendations

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