Love Story of Netflix and IMDB

Deep Learning based approach to Hybrid Recommendation Engine

Beating the Netflix Grand Prize Winners:

Bellkor in 2009 achieved an RMSE of 0.8567 using a purely collaborative approach.

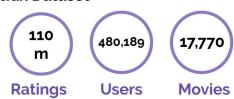
Challenges:

- Combining Content Based and Collaborative Filtering
- Combination of categorical and continuous variables
- · Combining two databases with imperfect matches

Major Accomplishments:

- · Merging complementary datasets
- Compressed representation of movies and users
- 2.7% improvement of RMSE over Bellkor's RMSE

Netflix Dataset



IMDB Dataset









Human Features

Temporal Co Features

l Commercial Features

Descriptive Features

Flow

