

Anime Recommendation Systems



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About Me

"Full time Data Scientist, part time weeb"



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Overview



Recommendation system for new members and current subscribers

Content-based

Collaborative Filtering

B u s i n e s s P r o b l e m

Growing Market

- New shows released constantly
- Decision Fatigue
- Competition

Our Role

- Help anime fans discover new shows that they will enjoy
- Curated list based on content/preferences

Data

MyAnimeList

Anime Dataset

- 12K shows
- Title
- Genre

Kaggle

Ratings Dataset

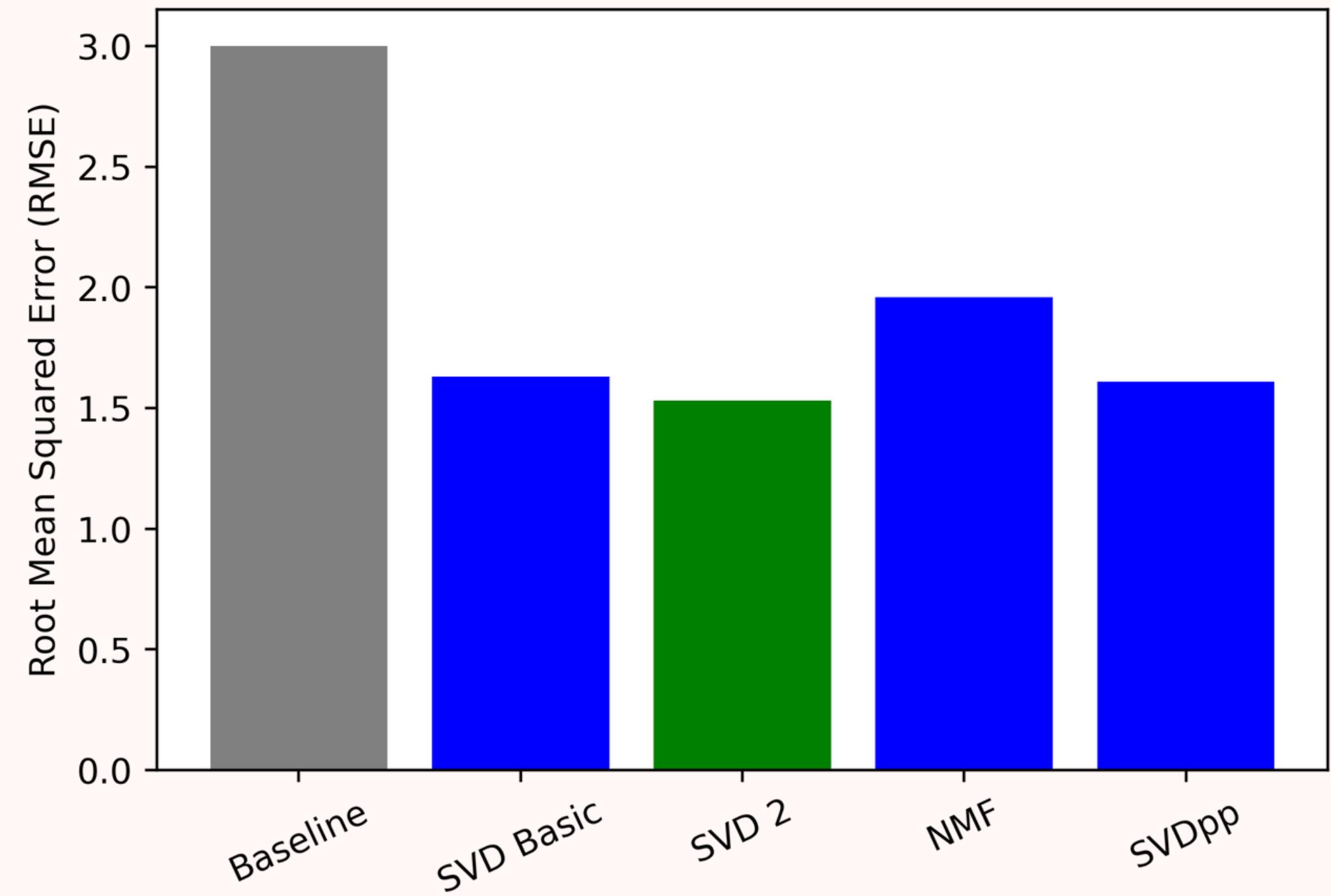
- 7M
- User ID
- Rating 1-10

Modeling



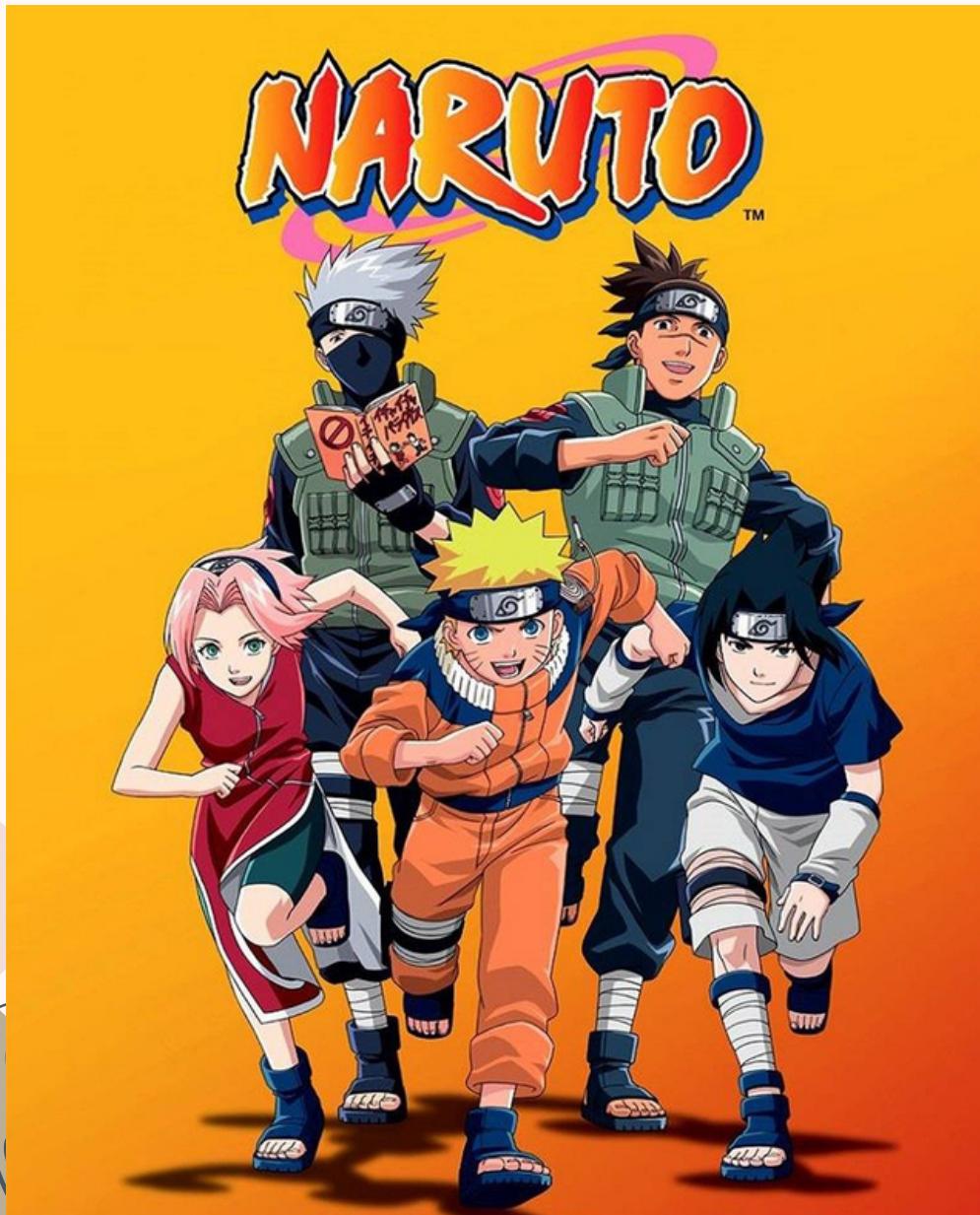
Comparison

Surprise Models



Recommendations

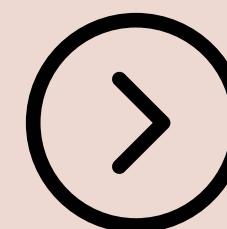
Content Based



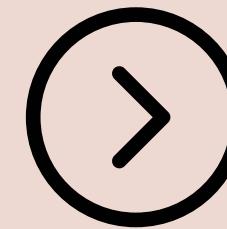
Recommendations

Singular Value Decomposition

Next Steps



More Recent Data



New Algorithms

Thank
You

