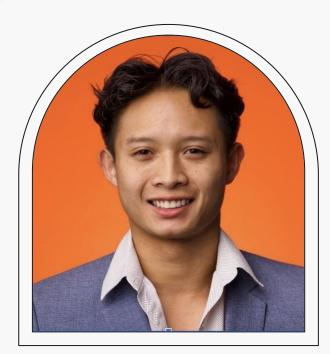
Movie Recommendation System for Likewise App

August 4, 2023

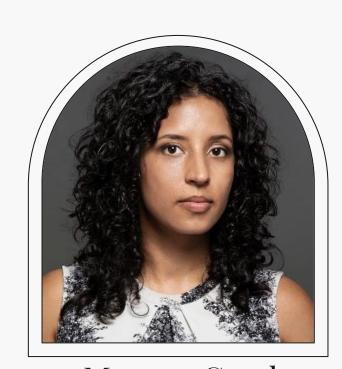


Our Team





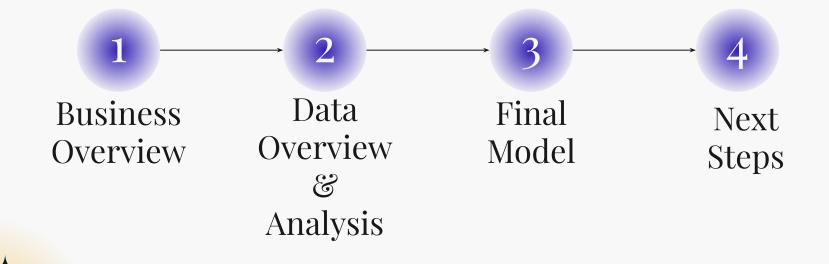
Justin Phan
Technical Lead



Morgan Goode
GitHub/Presentation Lead

Agenda







1

1 Business Overview





Business Overview









Data Overview & Analysis



Data Overview



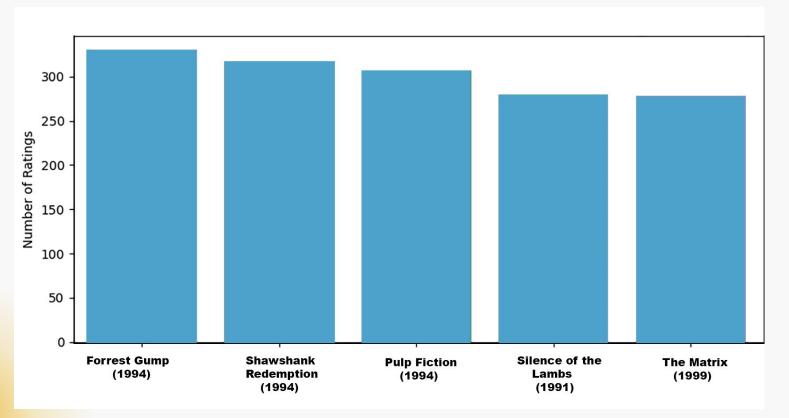


- MovieLens Dataset
- 1996 2018
- 610 users | ~ 100K ratings | 9.7K movies
- Limitations: size, dates

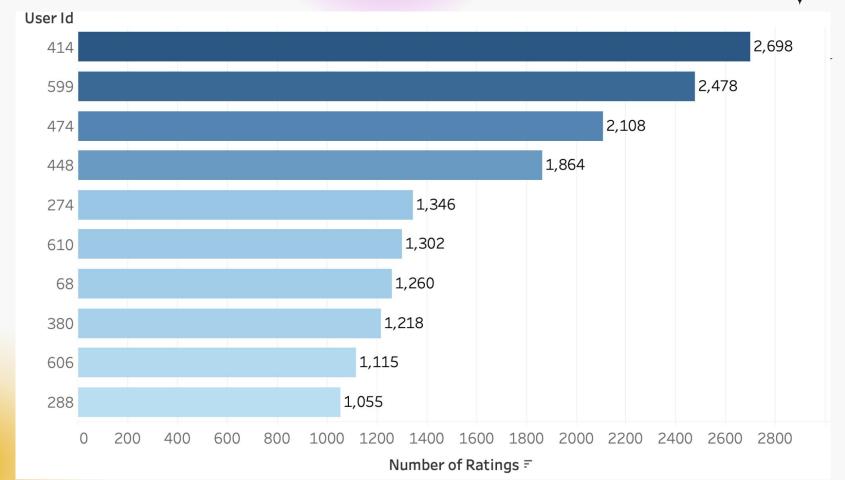




Most popular movies > 20 years old



Super users provide key input





3 Final Model







Hybrid Model

average difference of .79 stars

- Collaborative data from user and and movie ID's
- Content data from bias features







Feature Importance By Weight

- Movie ID
- 2. Movie Rating Bias
- 3. User Rating Bias
- 4. User ID





4

Next Steps



Next Steps

O1 Larger dataset

O2 Matrix Factorization

O3 Neural network



Thanks!

Any questions?



Justin Phan Technical Lead



Morgan Goode GitHub/ Presentation Lead

