

Movie Recommender System

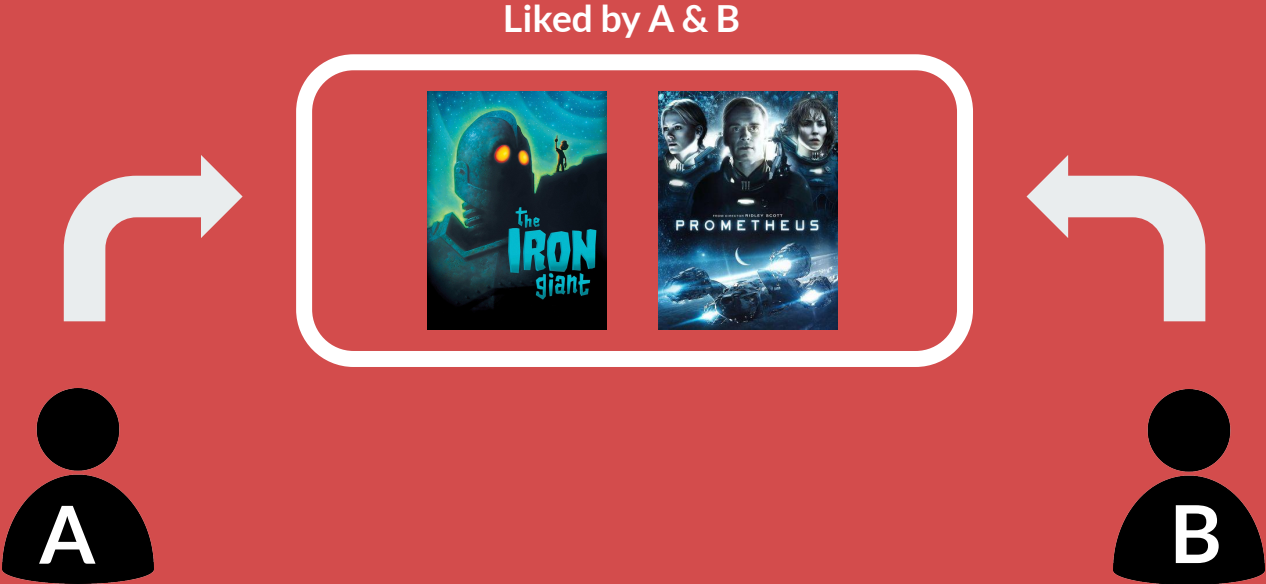
Analysis, Modeling, and Prototyping by Jack Mannix

Summary

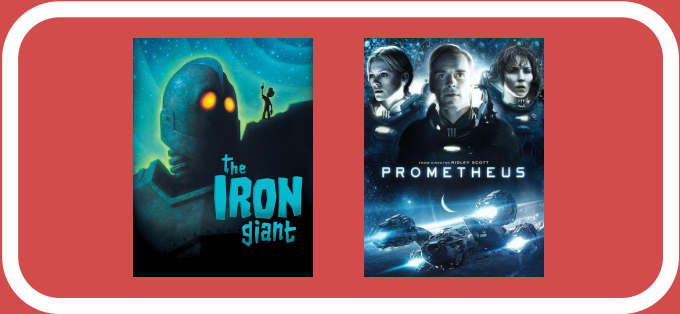
A movie recommendation system that utilizes collaborative-based filtering (CBF) to make tailored suggestions for existing users, and

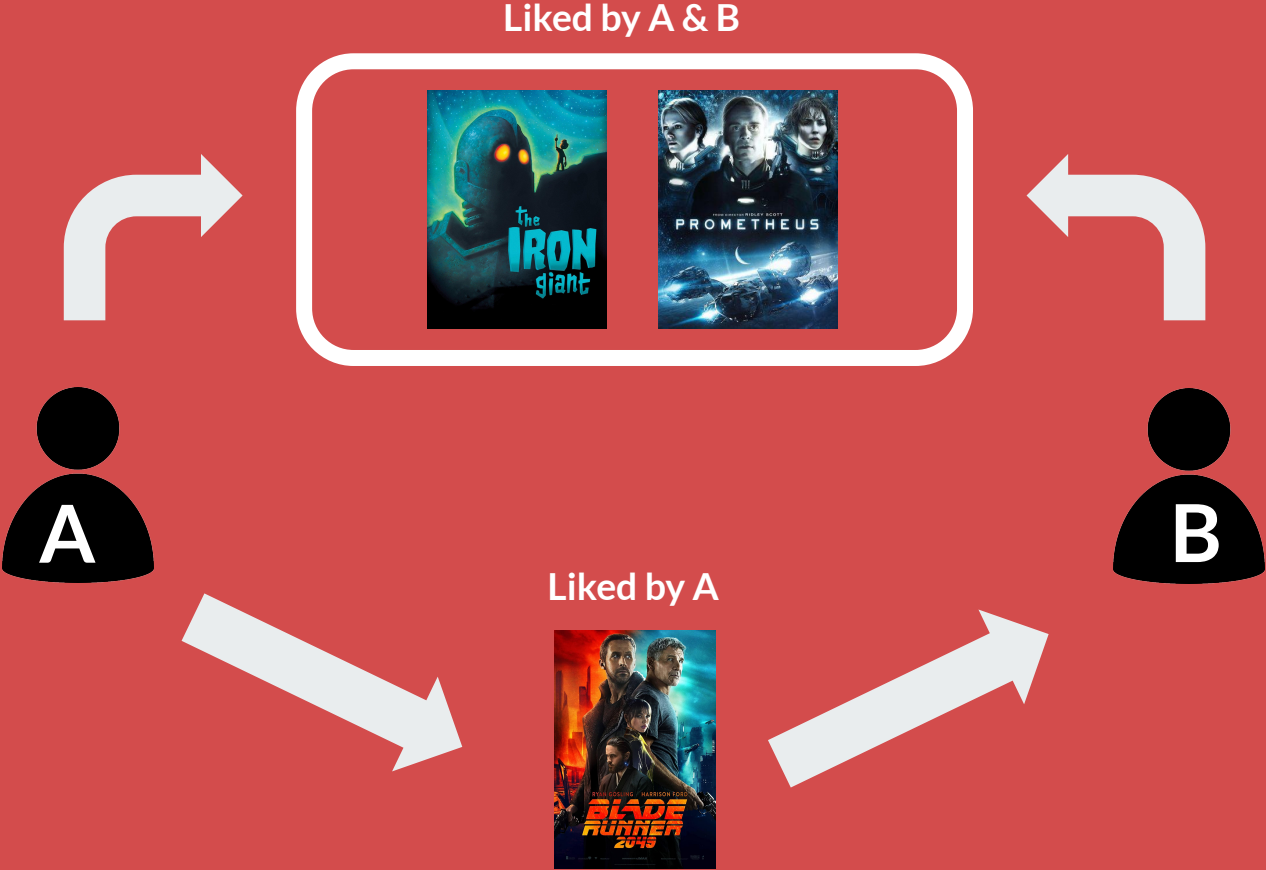
Collaborative Filtering





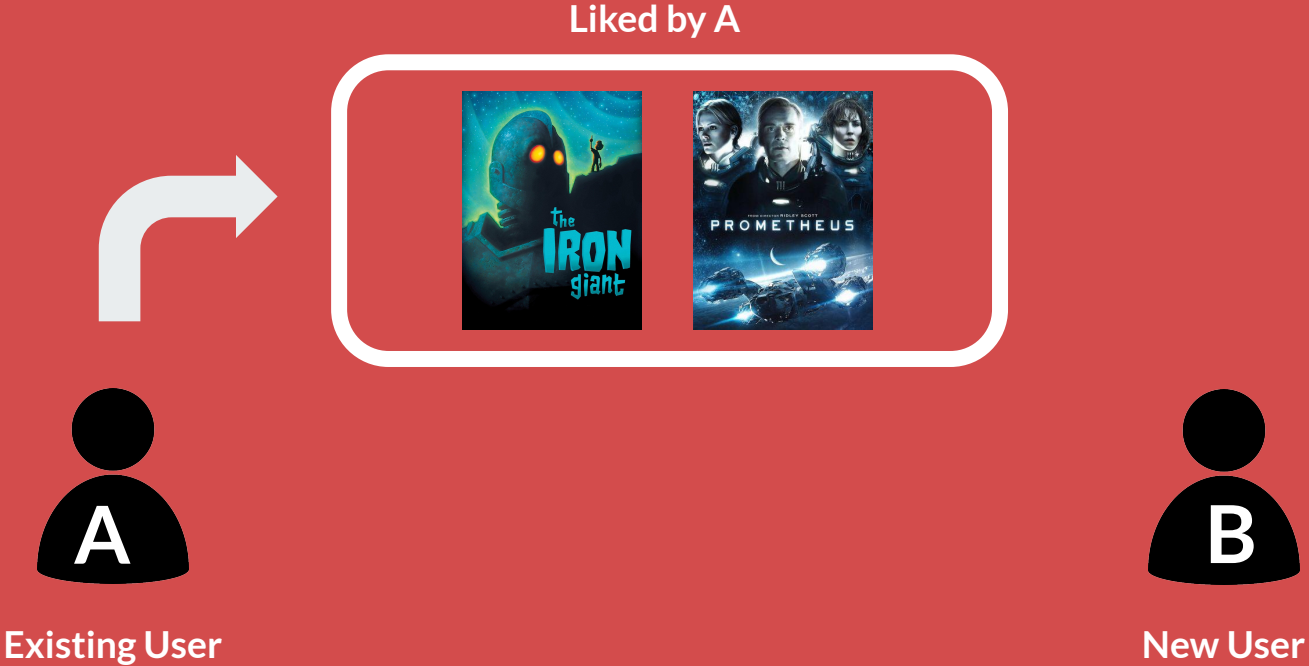
Liked by A & B

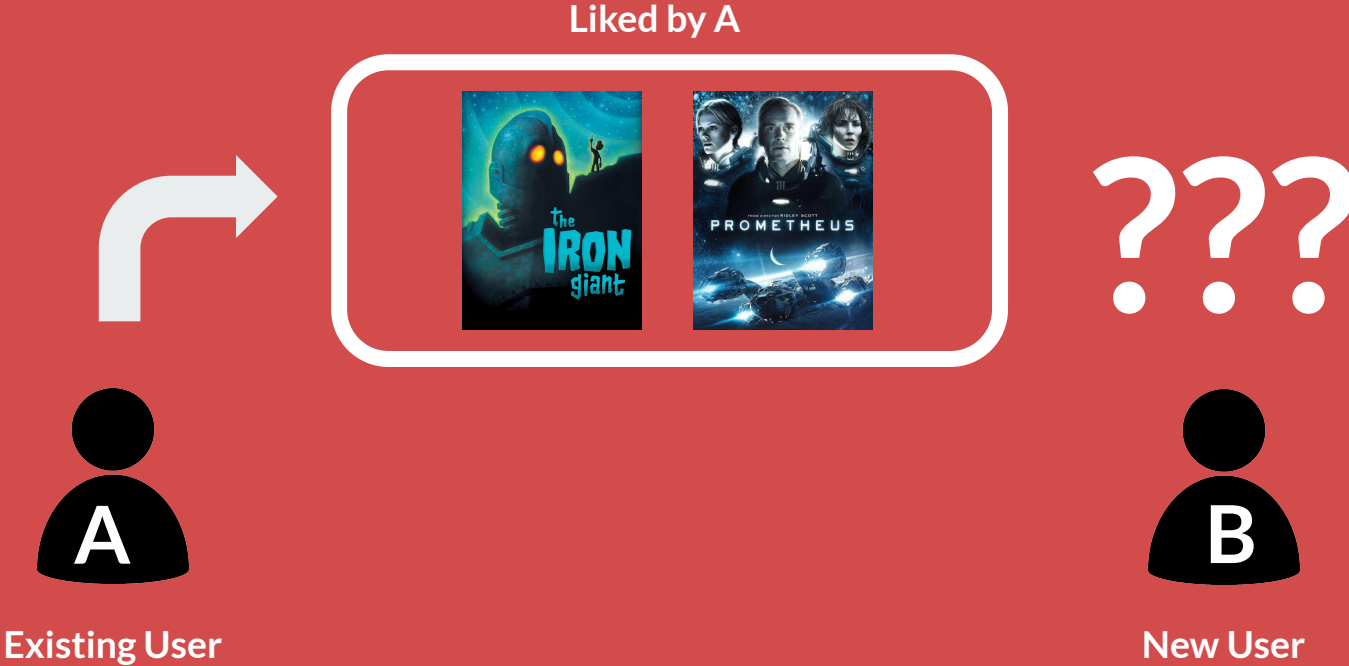




Cold Start Problem





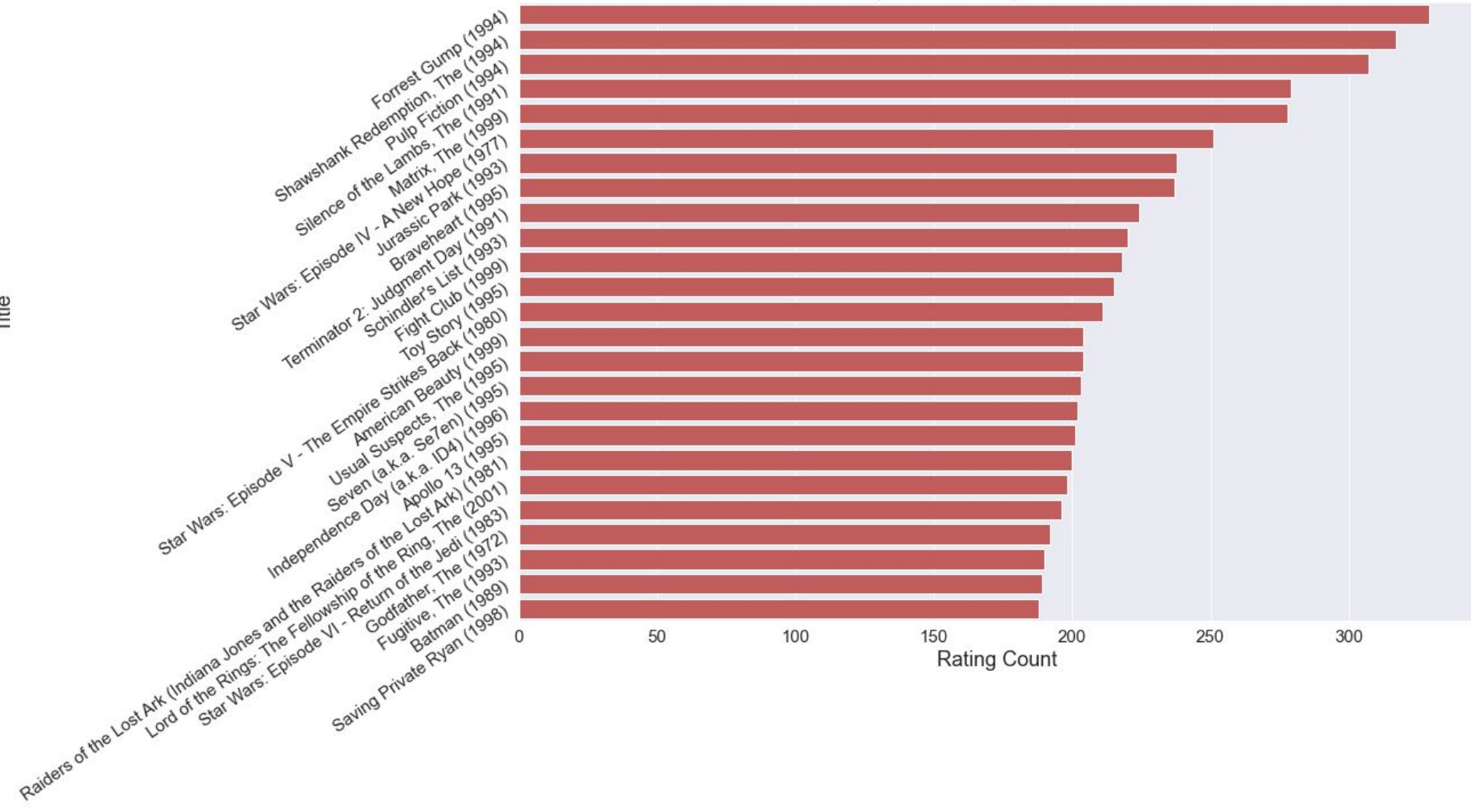


Data & Methods

1. **MovieLens 100k Dataset**
 - a. **Users = 610**
 - b. **Movies = 9724**
2. **Ratings : 0.5 - 5 scale**
3. **Latest movies : 2018**
4. **Cold Start Problem : Prompting user input regarding preferred and least preferred genres**

Top 20 Most Popular Movies

Title



Rating Count

LIVE DEMO

Going Forward

1. Incorporate a content-based solution for the cold start problem
2. Explore more complex algorithms (NLP, Neural Networks, etc.), and their combined functioning (hybrid systems)
3. Construct a Graphical User Interface (GUI) for a more intuitive user-friendly experience

A background image of a stage with red curtains. The curtains are closed and have a vertical pleated texture. The stage floor is visible at the bottom, with two black rectangular objects, possibly speakers, on either side.

Thank You!

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