

RECOMMENDATION SYSTEM

PROJECT GOALS

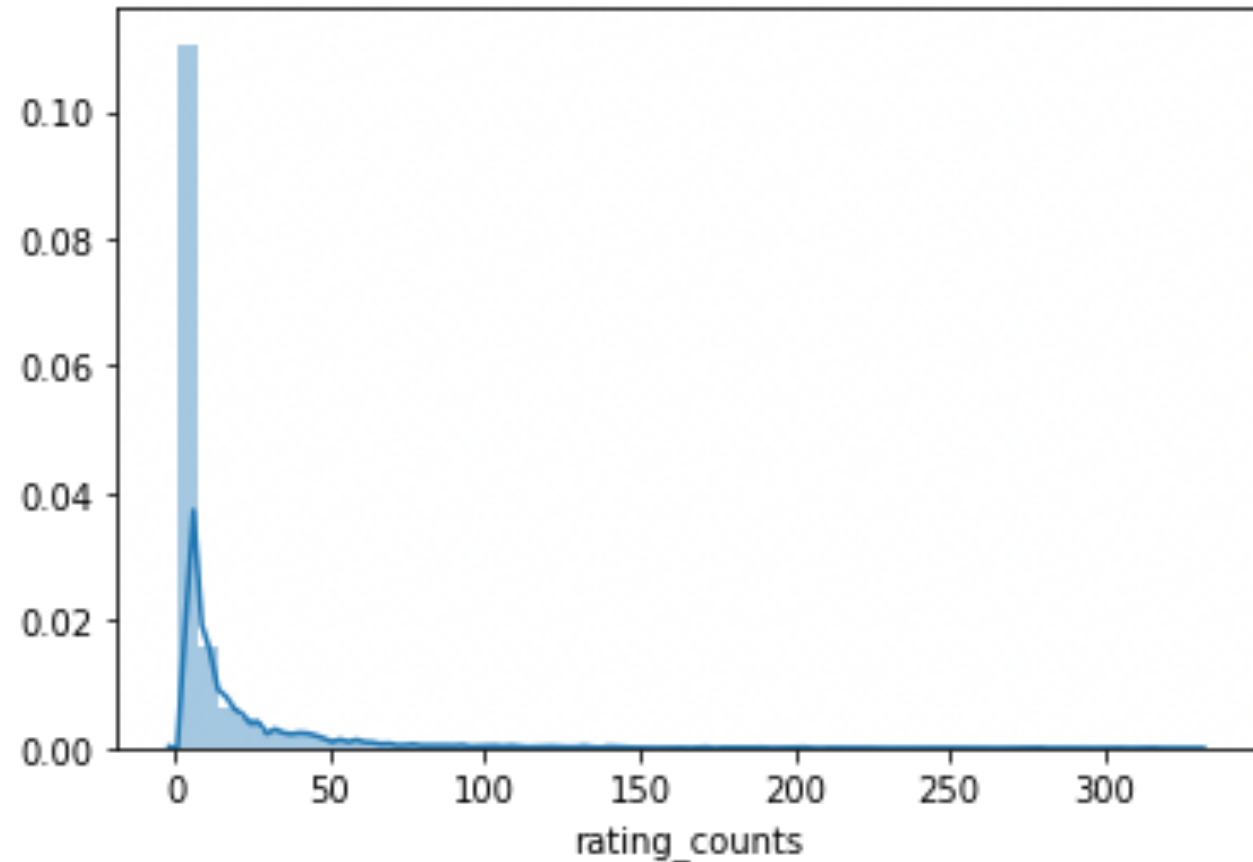
- Movie recommendations based on the MovieLens (contains 100,000 user ratings.)
- Use collaborative filtering as the primary mechanism
- Use content-based filtering to address the cold start problem.

BEST MOVIES BASED ON NUMBER OF RATINGS

- Forrest Gump (1994) 329
- Shawshank Redemption((1994) 317
- Pulp Fiction (1994) 307
- Silence of the Lambs, 279
- Matrix 278

DISTRIBUTION OF USERS RATING

- Most of the movies have received less than 50 ratings.
- The number of movies having more than 100 ratings is very low.



BEST MOVIES BASED ON RATINGS AND POPULARITY

- The Shawshank Redemption (1994)
- The Godfather (1972)
- Fight Club (1999)
- Cool Hand Luke (1967)
- Dr. Strangelove or: How I Learned to Stop Worrying and Love the Bomb (1964)
- Rear Window (1954)
- The Godfather: Part II (1974)
- The Departed (2006)
- Goodfellas (1990)
- Casablanca (1942)

CONCLUSIONS

- Cold Starts is ready for production
- Recommender system that I built is not perfect but can be improved if using bigger dataset

The top of the slide features a series of overlapping, wavy, translucent bands in shades of yellow, orange, red, and cyan, creating a dynamic, flowing effect against the black background.

Thank You!