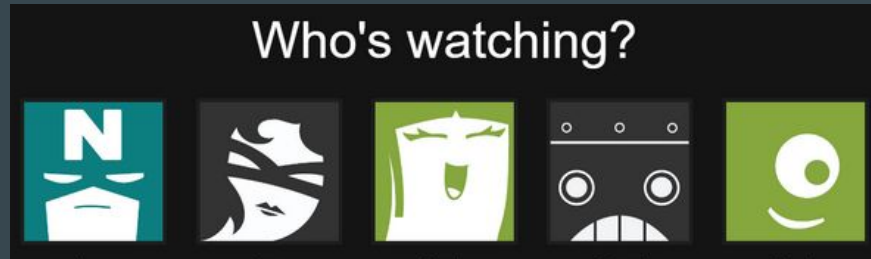




# Flix Finder: A Movie Recommendation App





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**Business  
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Overview**

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**Deliverables**

**Future  
Steps**



# Binge Scrolling?

# There's an app for that!

## Flix Finder

### A Movie Recommender for FlixNet

Rate these films from 1 to 5

*If you haven't seen a film, leave the slider at 0*

Forrest Gump (1994)



Shawshank Redemption, The (1994)



Give Me Recommendations

Wild Parrots of Telegraph Hill, The (2003)

Day of the Doctor, The (2013)

My Dinner with André (1981)

Last Detail, The (1973)

Indignation (2016)

# Business Problem



# Business Problem

- Create an app that recommends movies based on user ratings for 20 most rated films on our platform
- Use ML to ensure the best recommendations for users



# Data Overview



# Data Overview

## Data

- ❑ MovieLens
- ❑ 100k ratings
- ❑ 610 users, 9700 movies
- ❑ All users rated at least 20 movies
- ❑ Between March 1996 and September 2018



## Limitations

- ❑ No demographic info for users
- ❑ Multiple users/Single account

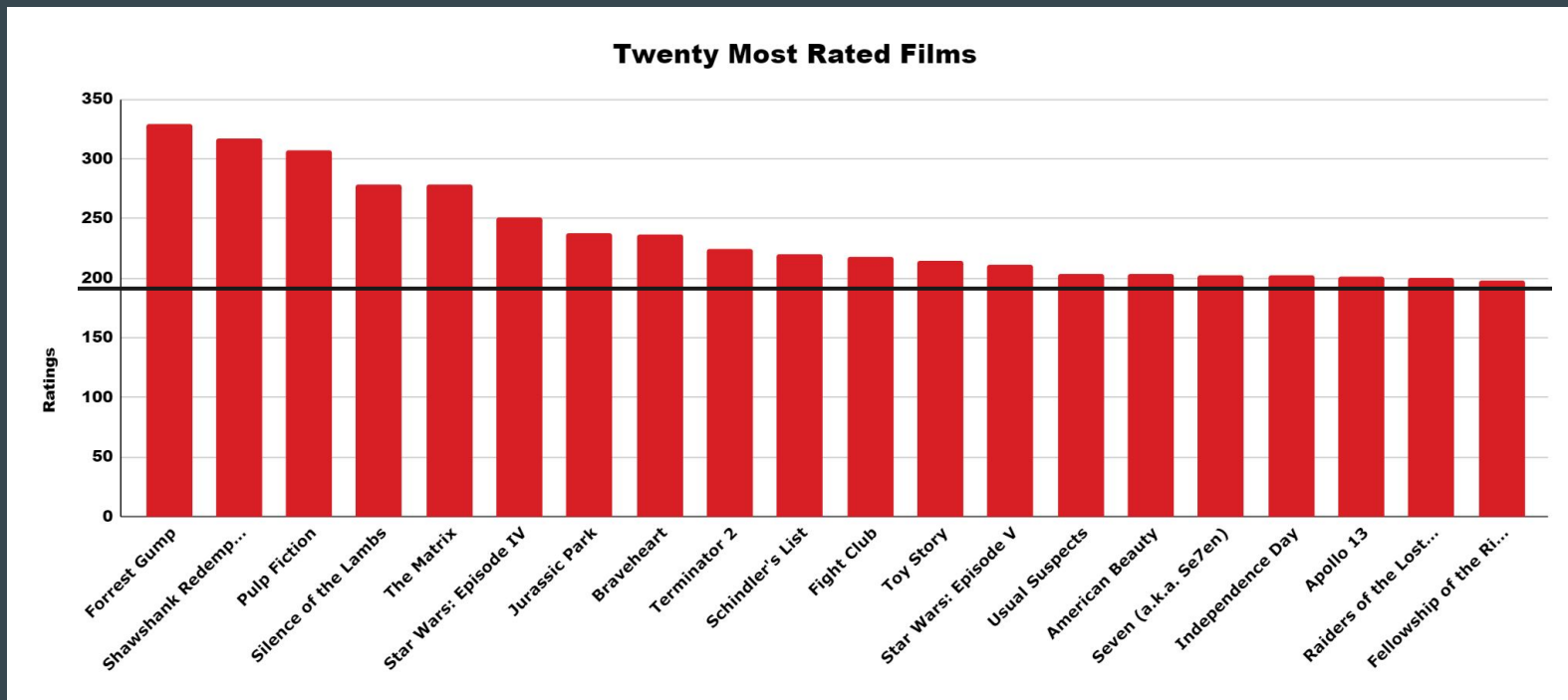




# Analysis



# Analysis



Business  
Problem

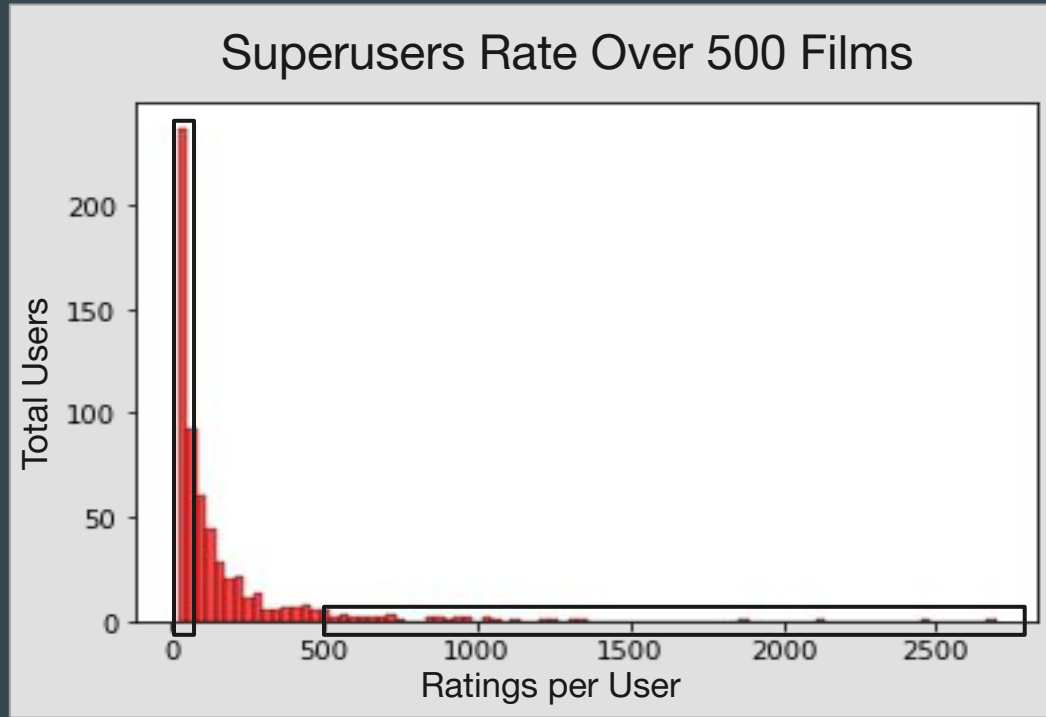
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# Analysis



# Analysis

Model	RMSE	Run Time in seconds
KNN Basic	0.988	1.23
KNN Baseline	0.866	2.24
NMF	0.878	3.78
SVD	0.863	21.46



# Deliverables



# Deliverables

## Flix Finder

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# Deliverables

Give Me Recommendations

Enter the Void (2009)

Star Trek IV: The Voyage Home (1986)

Day of the Doctor, The (2013)

Submarine (2010)

Sophie Scholl: The Final Days (Sophie Scholl - Die letzten Tage) (2005)



# Future Steps





# Future Steps

- ❑ Work with website team to deploy
- ❑ Update ratings to current offerings
- ❑ Add demographic data for users



# Questions?



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