

BECHDEL SCORE MOVIE RECOMMENDER

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OVERVIEW

01

BECHDEL TEST

what is it and why is it important?

02

RECOMMENDER SYSTEM

what is a recommender system and how many kinds are there?

03

DATA

where did it come from and what does it say?

04

MODEL

how is the recommender made?

05

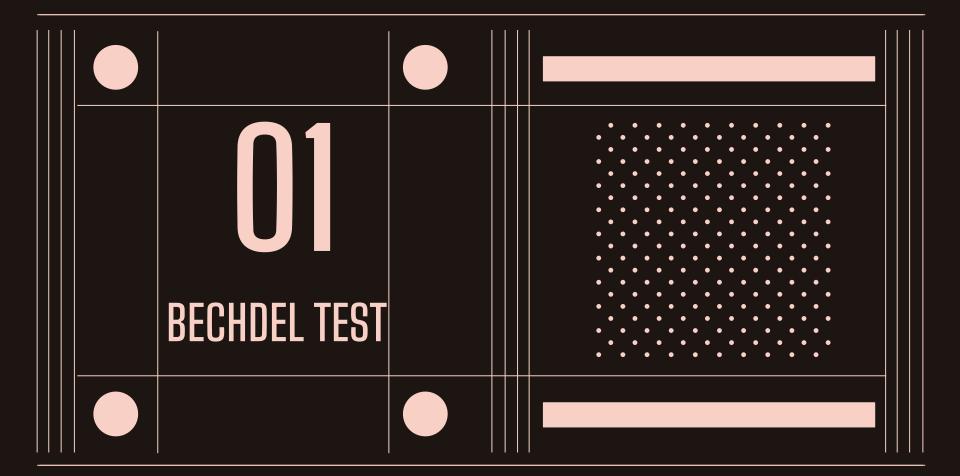
APP

how does the app work?

06

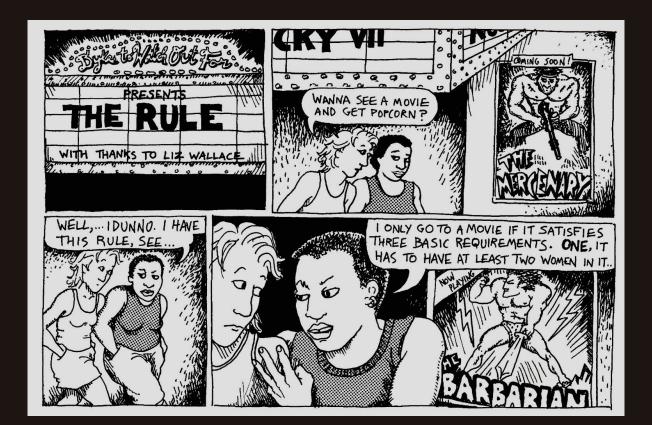
NEXT STEPS

how can the recommender can be improved?



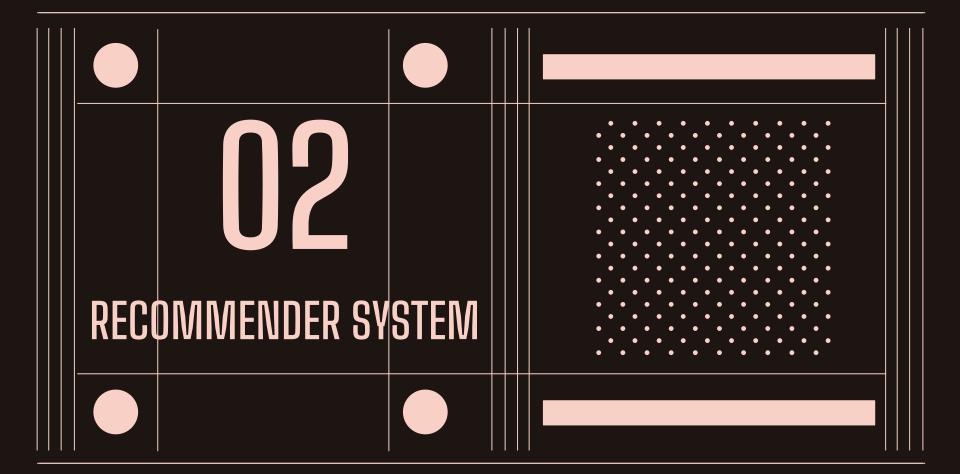
WHAT IS THE BECHDEL (-WALLACE) TEST?











MOST COMMON RECOMMENDER SYSTEMS



CONTENT

based on common features: you watched a director's movie; you'll likely watch her new movie



ITEM-BASED COLLABORATIVE

based on common items: you and they watched movie A, they watched movie B, so too should you

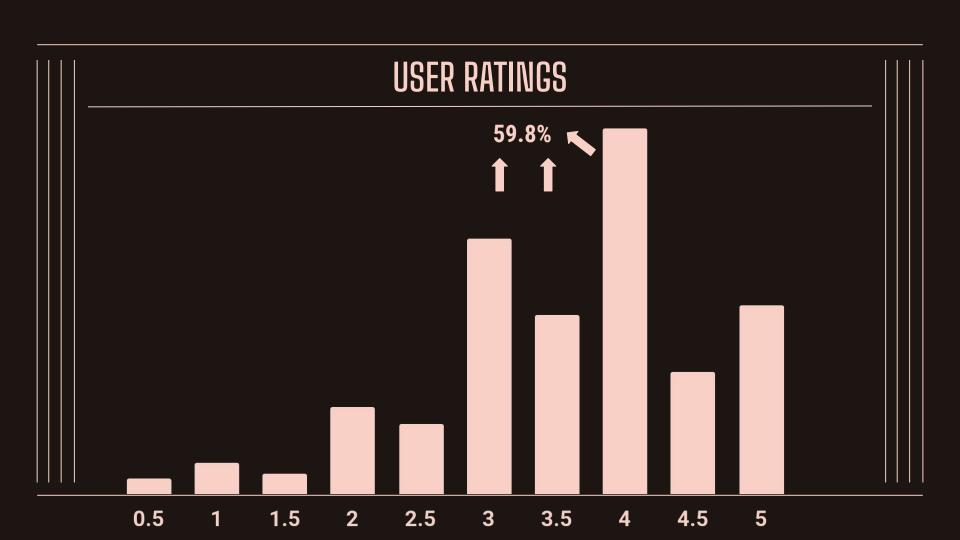


USER-BASED COLLABORATIVE

based on common ratings: you and they liked movie C, they liked movie D, you might also

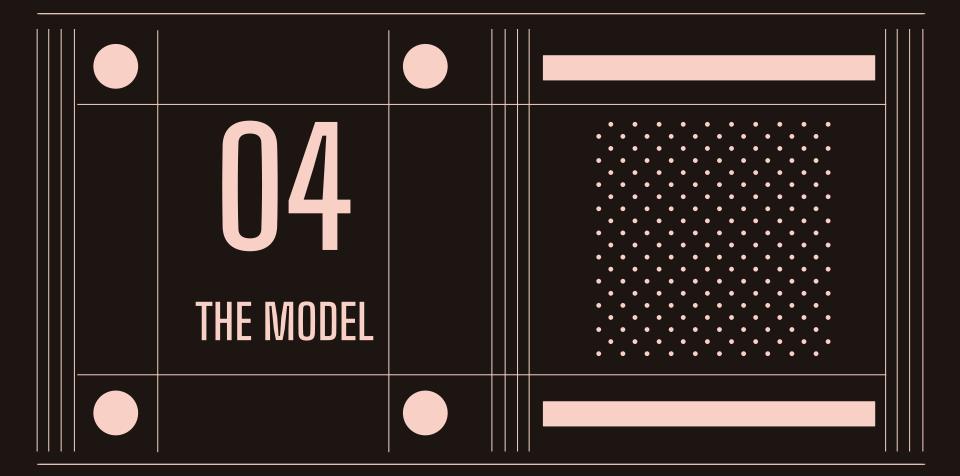


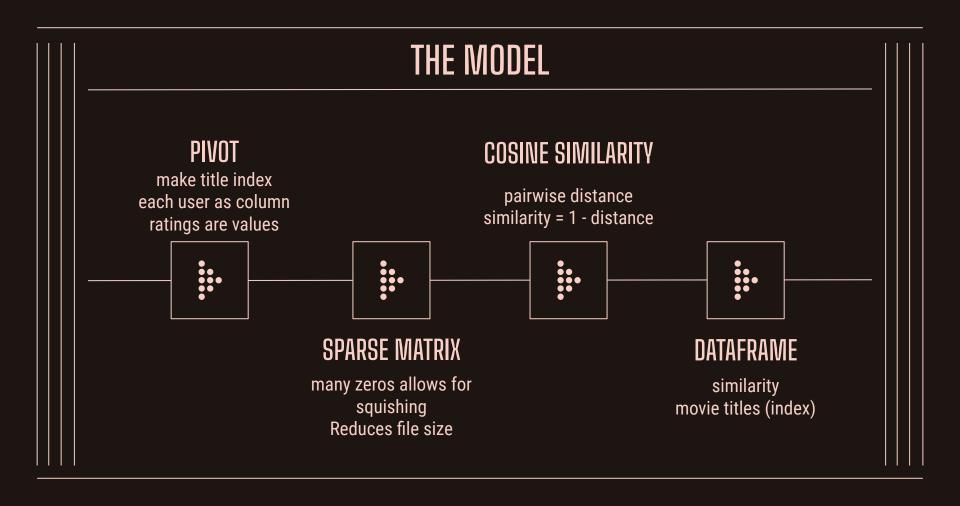
DATA MERGE **MOVIELENS RATINGS MOVIELENS LINKS** 100,836 ratings movielD 610 users imdbld FINAL COUNT: scale (0.5 - 5.0) tmdbld ~5000 movies + bechdel scores ~80,000 ratings **MOVIELENS MOVIES BECHDEL TEST** rated and reviewed by community 9742 movies + titles + genres 9417 movies years: 1902 - 2018 score (0 - 3)













AND THE BECHDEL SCORE?

bechdel score added to query function





THE MODEL



ITEM-BASED COLLABORATIVE

enter random movie, see other similarly-rated movies and their bechdel scores

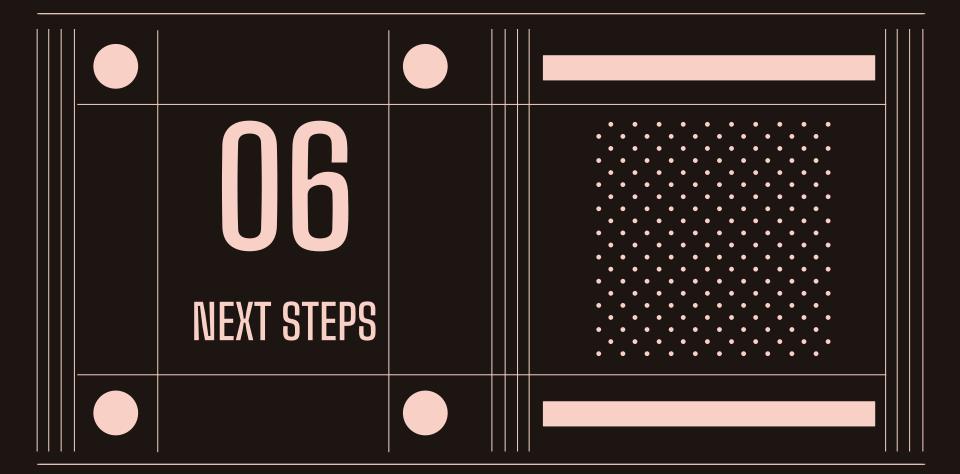


USER-BASED COLLABORATIVE

enter your *favorite movie, see most common movies by user rating and their bechdel scores







IMPROVEMENTS





MORE INTO MODEL

bigger data more content components text analysis(script, reviews)



BETTER APP

streamlined interface more options to refine search movie poster + lnk to stream



GREATER REPRESENTATION

broader than bechdel metrics: race, skin color, lgbtq+, age, disability, body size, social class



