

# Bechdel Test Classifier

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# What is the Bechdel Test?

To pass the bechdel test...

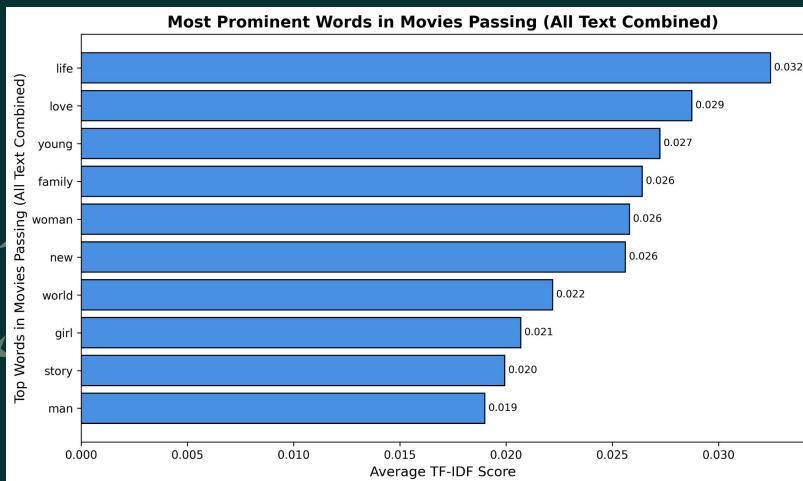
1. It has to have at least two [named] women in it
2. Who talk to each other
3. About something besides a man

# Why is this important?

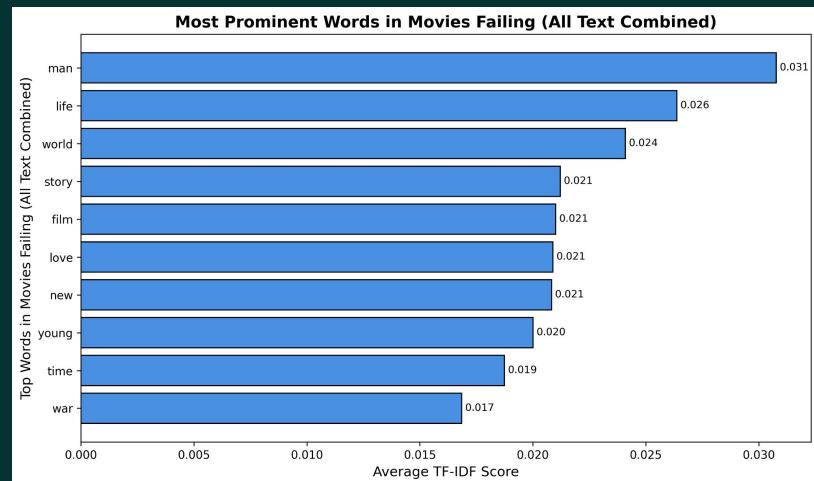
- Highlights gender inequality in media representation
- Reveals trends in the industry
- Starts deeper conversations

# EDA: Title / Overview / Taglines

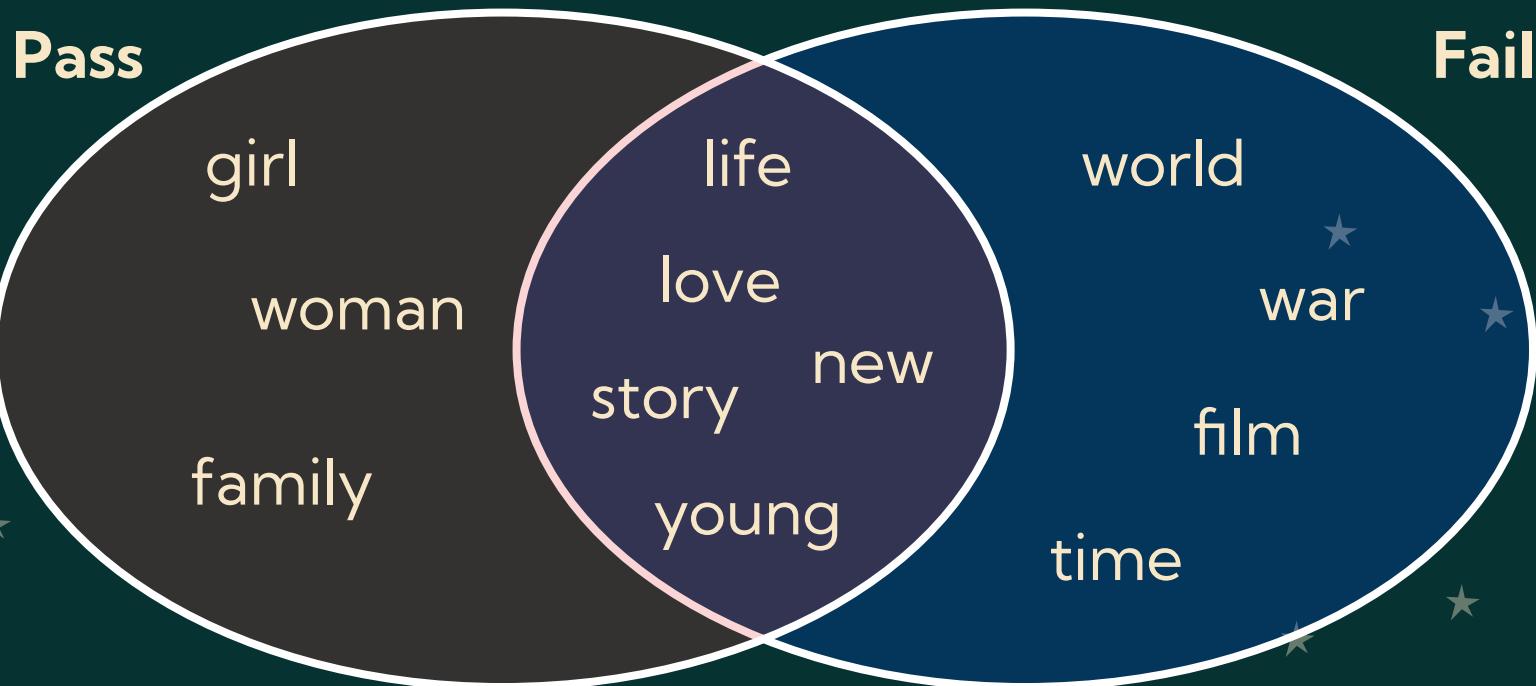
Pass



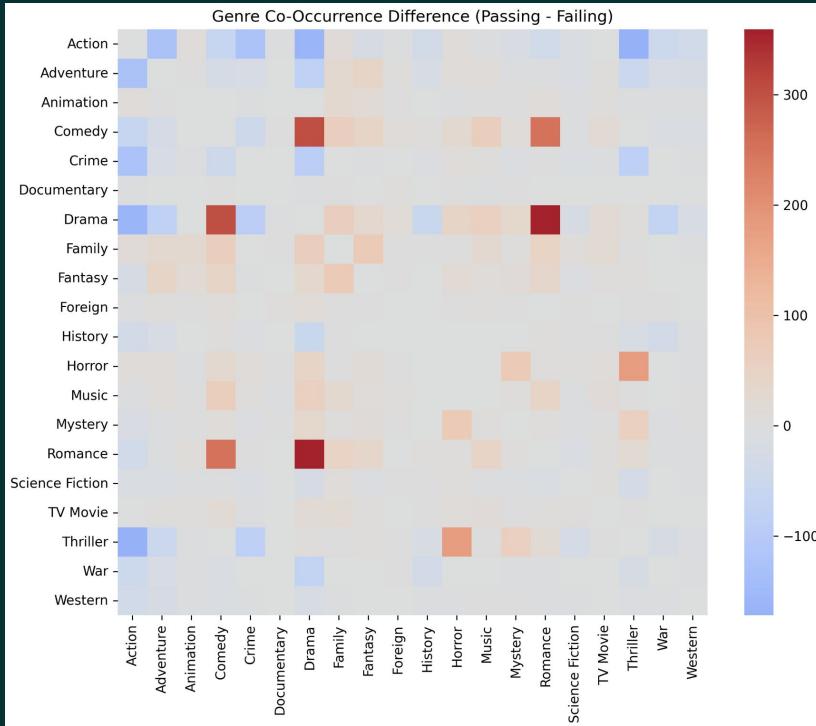
Fail



# EDA: Title / Overview / Taglines

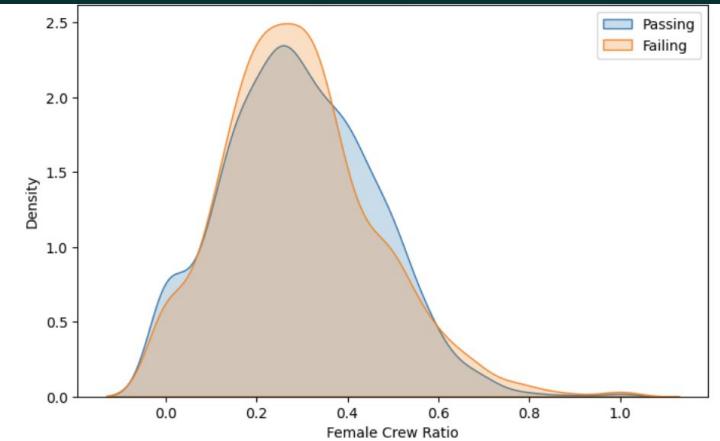


# EDA: Genres

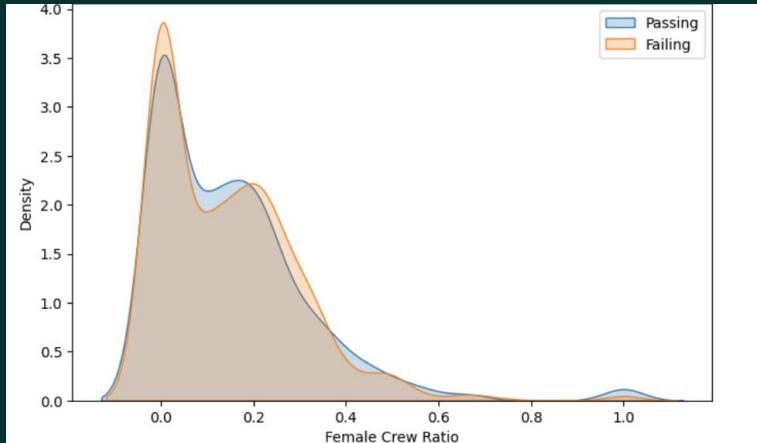


# EDA: Cast & Crew

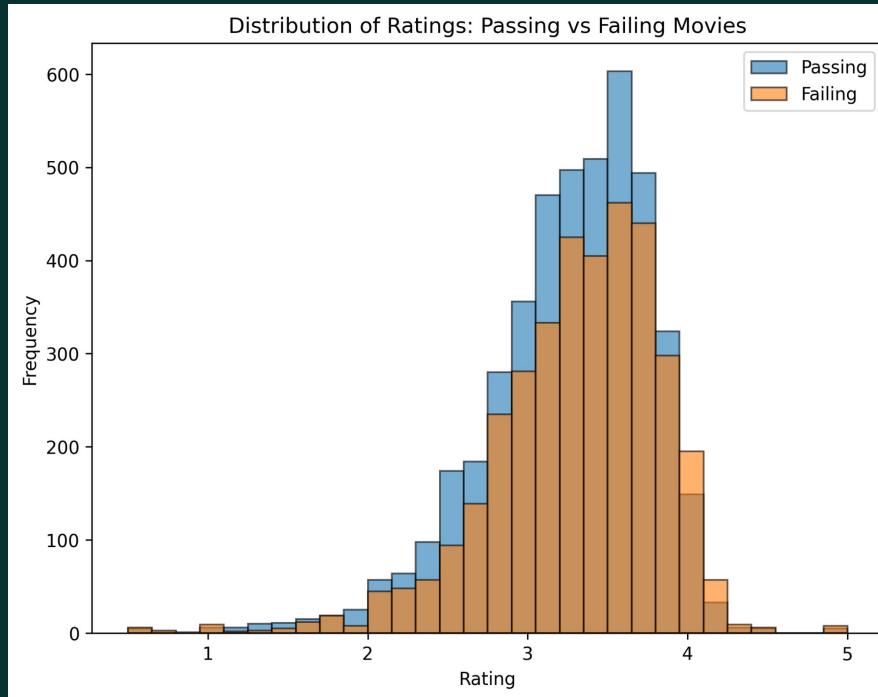
Female crew



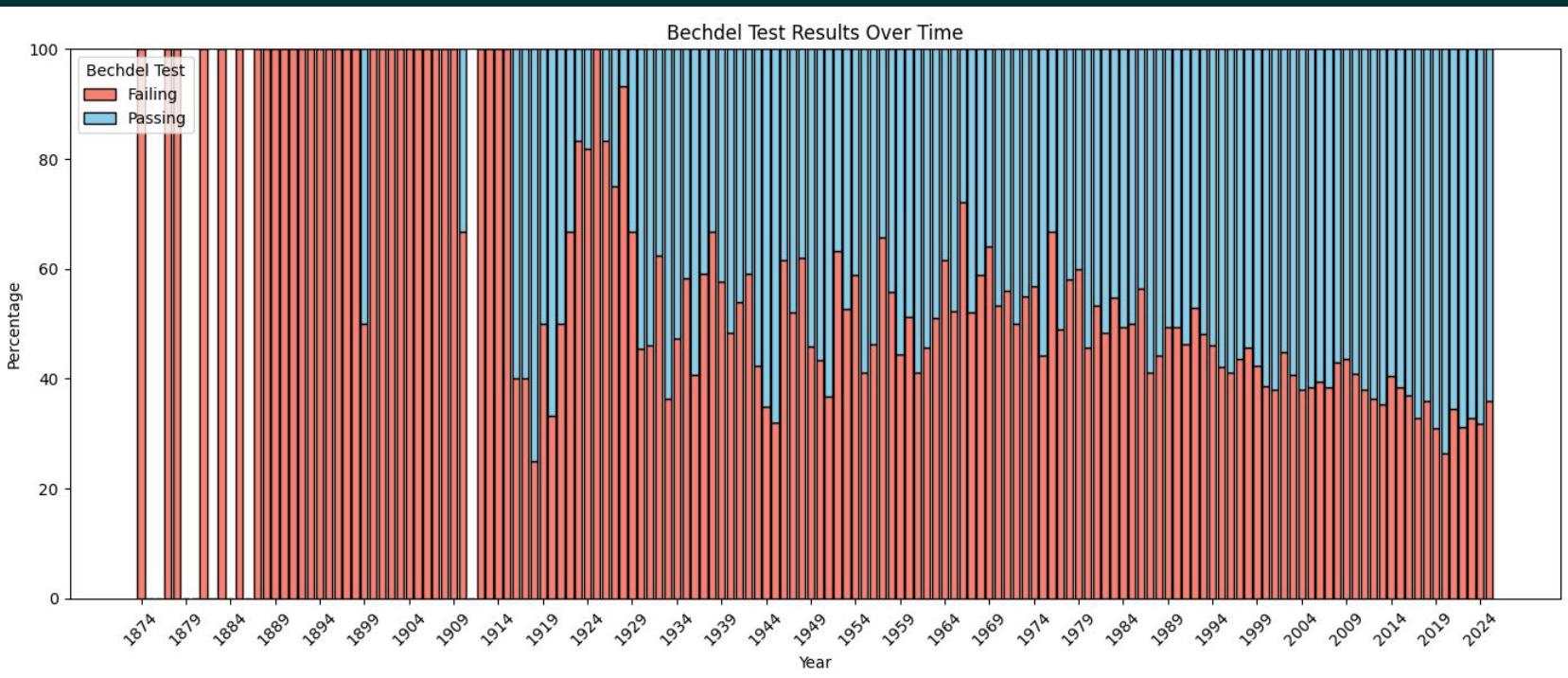
Female cast



# EDA: Ratings



# EDA: Year Released



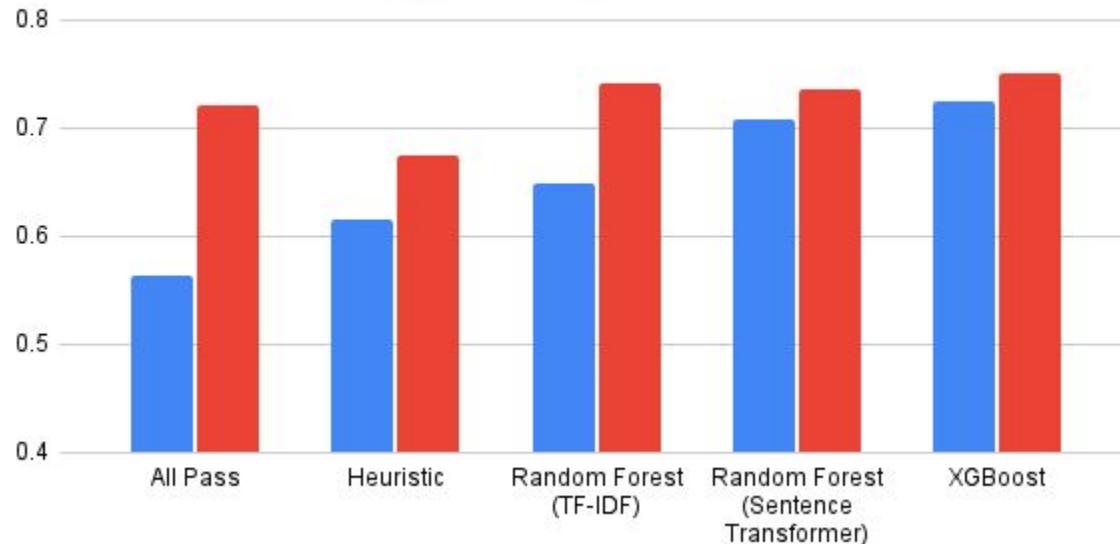
# Our Bechdel Classifier

- XGBoost
- Features
  - Sentence Transformer Embeddings
  - Gender-Associated Keywords
  - Genres
  - Years Ago

# Evaluations

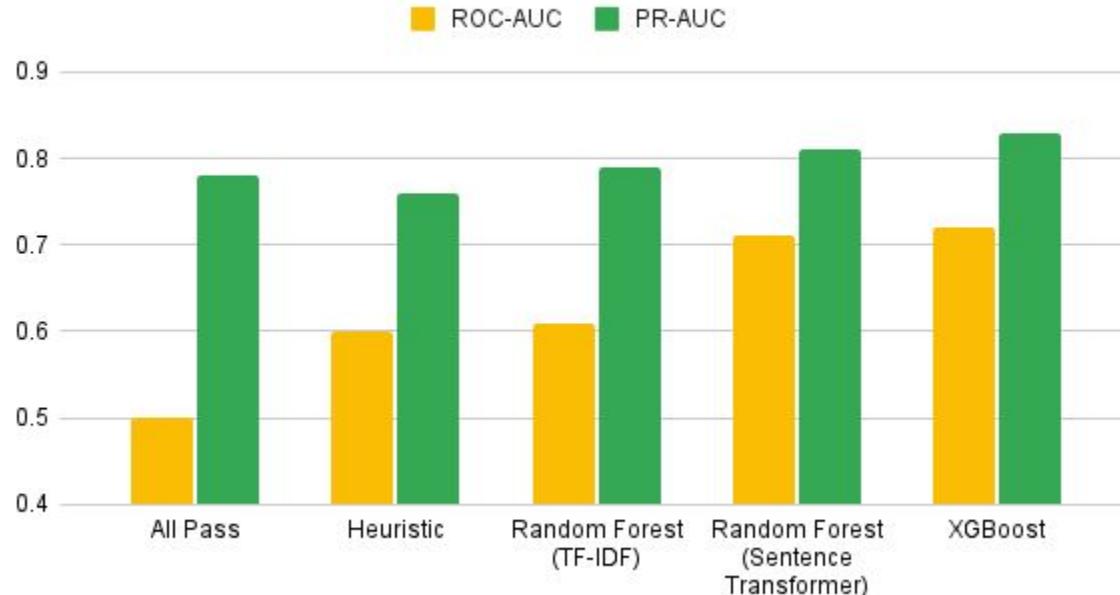
Evaluations: Accuracy and F1 Score

■ Accuracy ■ F1 Score

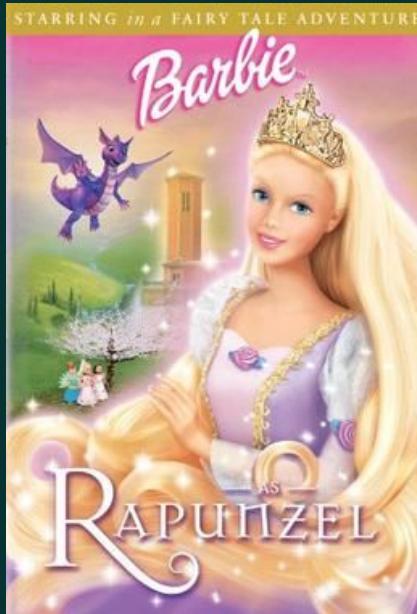


# Evaluations

Evaluations: ROC-AUC and PR-AUC



# Misclassifications



False Positive



False Negative

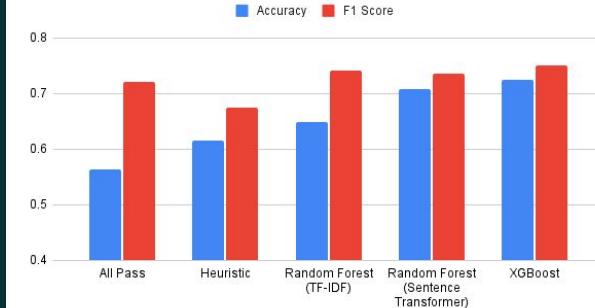
# Next Steps

- Dataset only runs movies before 2017
  - Tailor newer movies to our classifier
- Movies have a lot of nuance
  - Look into the actual script of a movie
  - There's only so little information you can extract from our features.

# Thank you!



Evaluations: Accuracy and F1 Score



Evaluations: ROC-AUC and PR-AUC

