

# Bechdel Test Classifier



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# What is the Bechdel Test?

To pass the bechdel test...

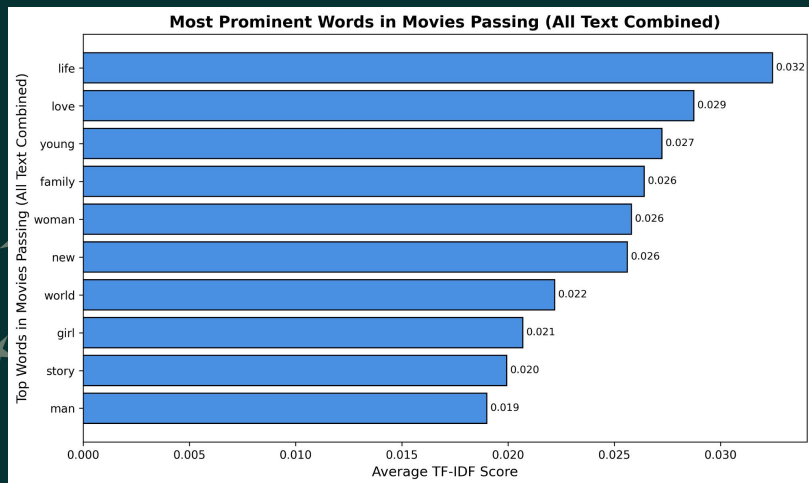
1. It has to have at least two [named] women in it
2. Who talk to each other
3. About something besides a man

# Why is this important?

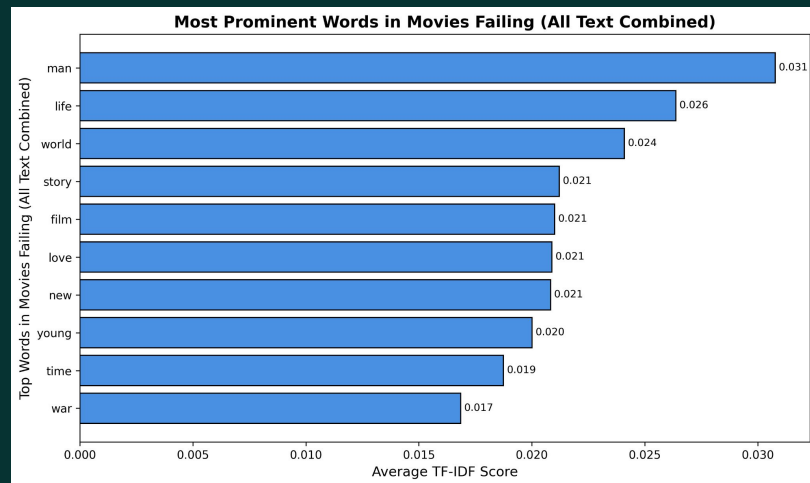
- Highlights gender inequality in media representation
- Reveals trends in the industry
- Starts deeper conversations

# EDA: Title / Overview / Taglines

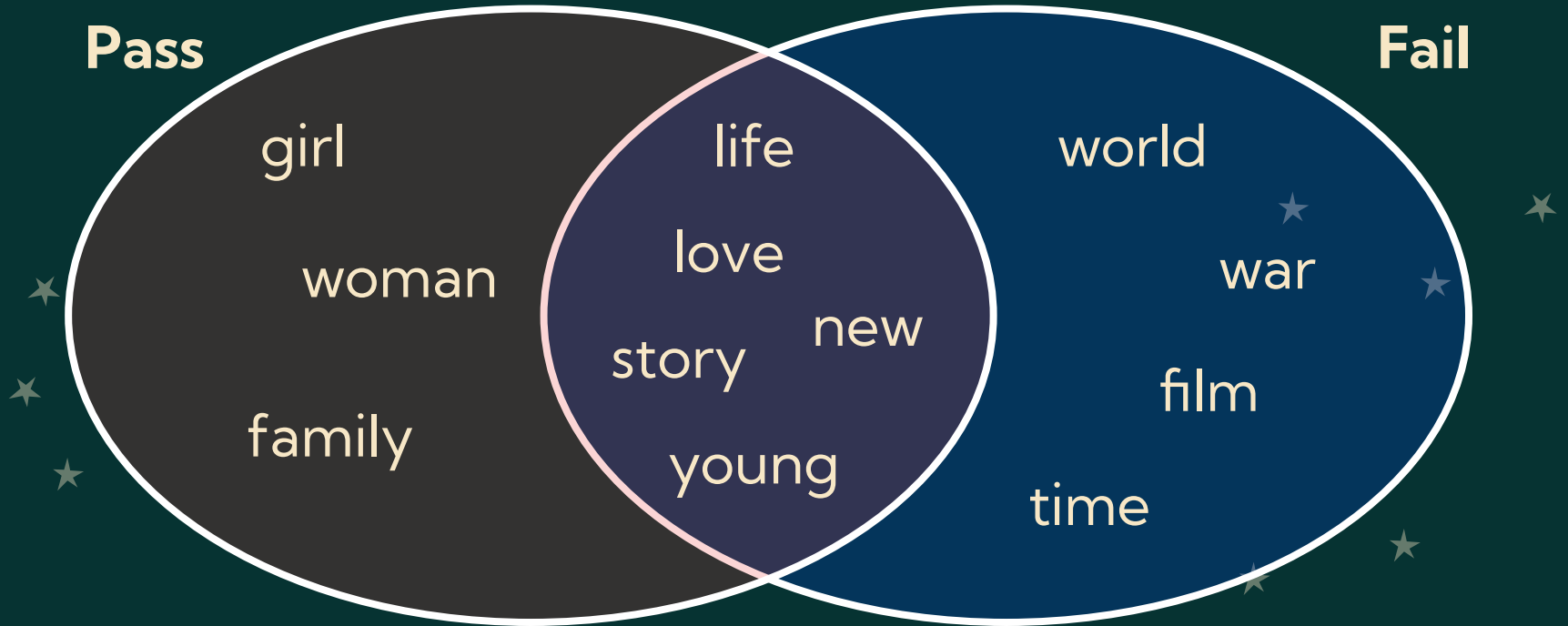
## Pass



## Fail



# EDA: Title / Overview / Taglines

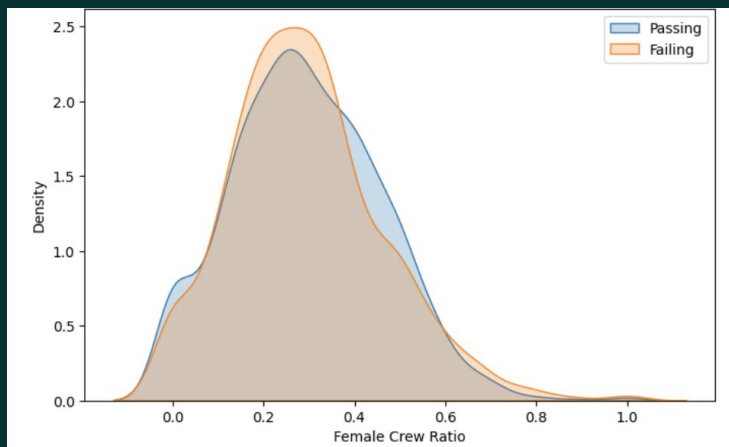


## EDA: Genres

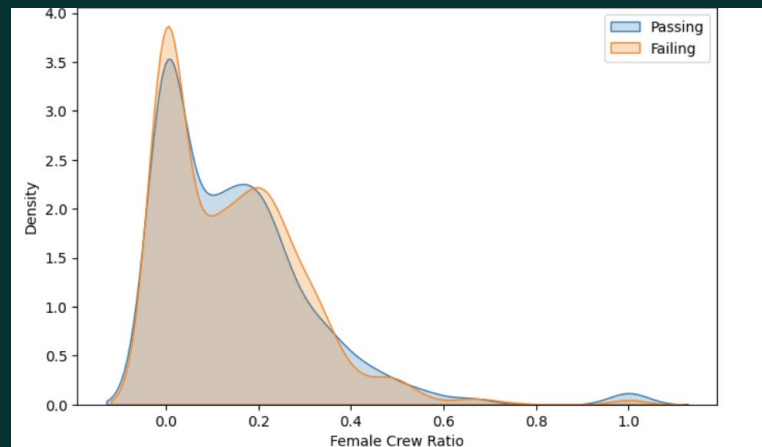


# EDA: Cast & Crew

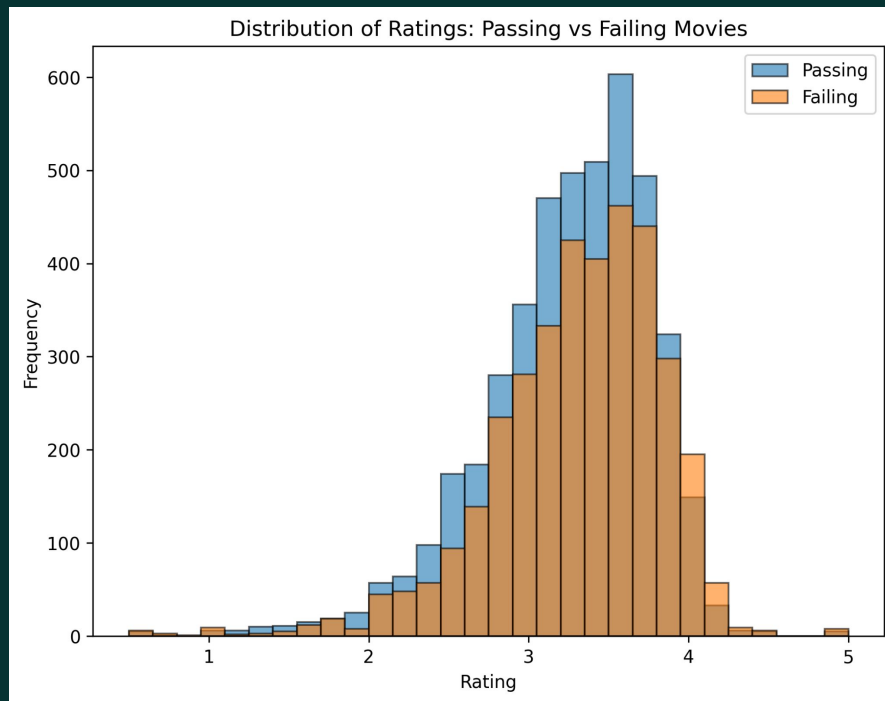
Female crew



Female cast

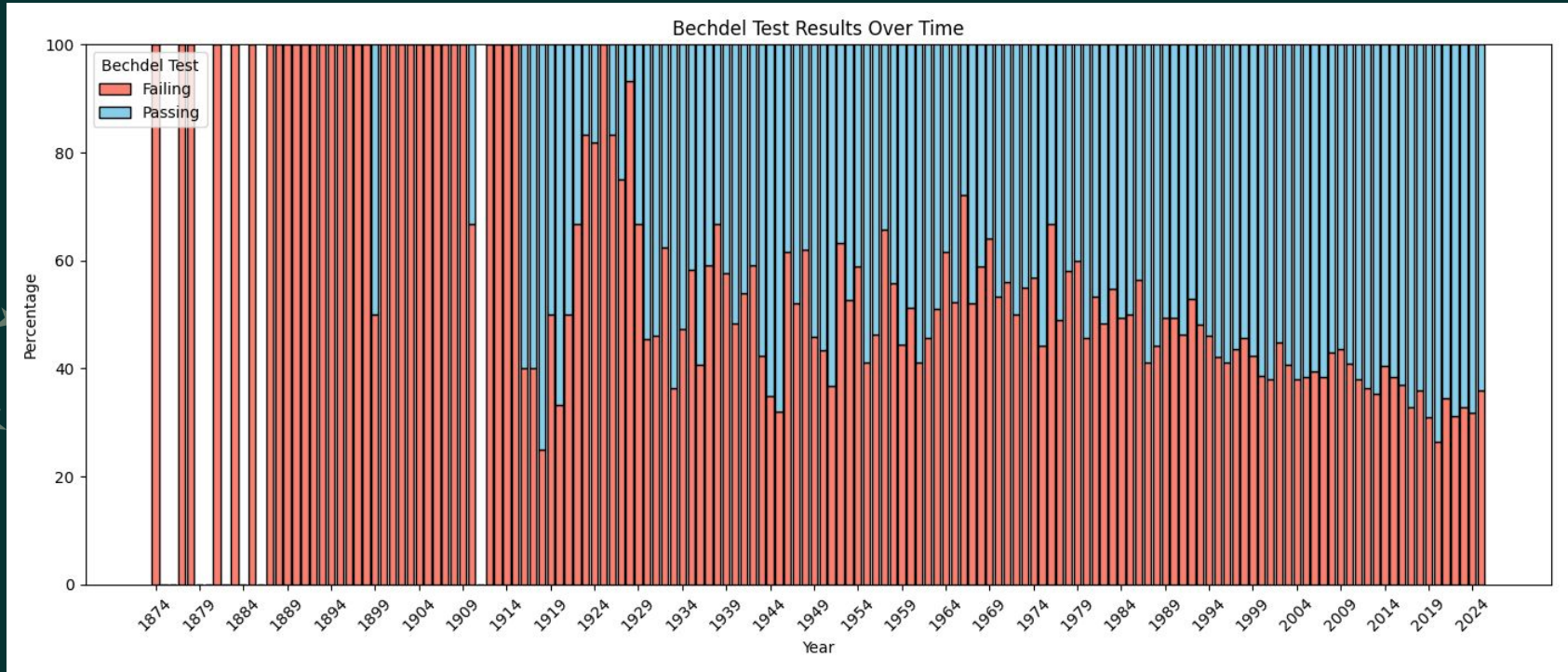


# EDA: Ratings





# EDA: Year Released

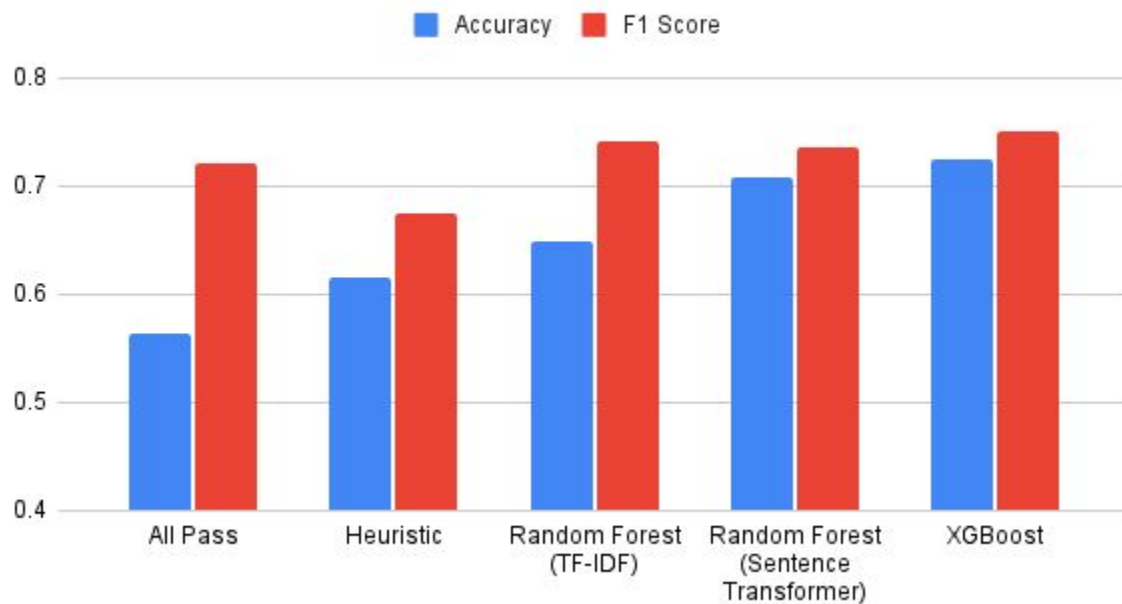


# Our **Bechdel** Classifier

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

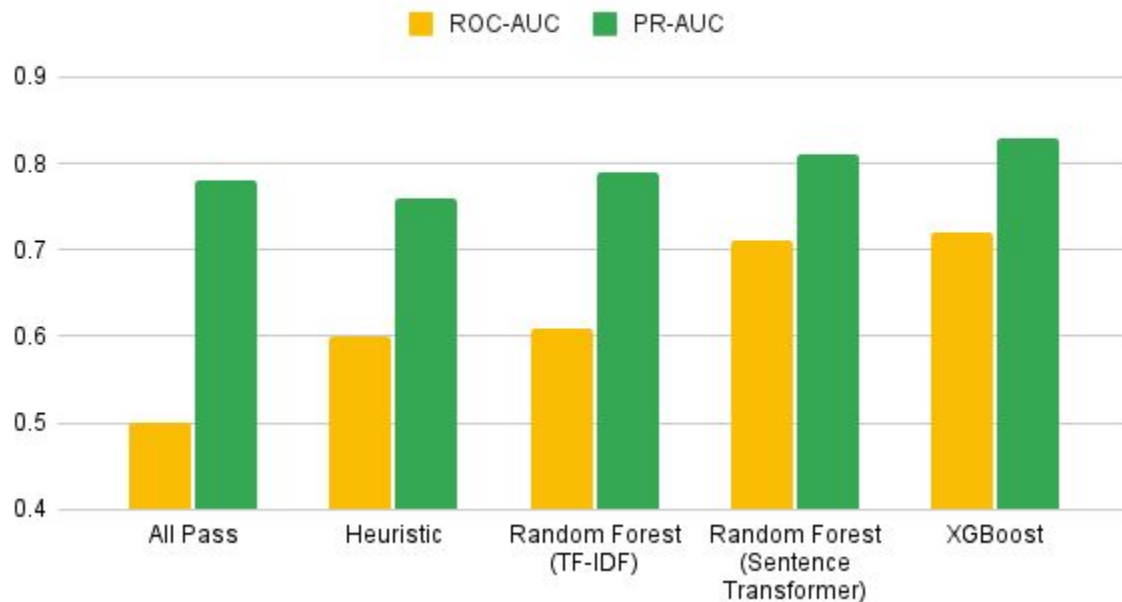
# Evaluations

Evaluations: Accuracy and F1 Score



# Evaluations

Evaluations: ROC-AUC and PR-AUC



# Misclassifications



False Positive



False Negative

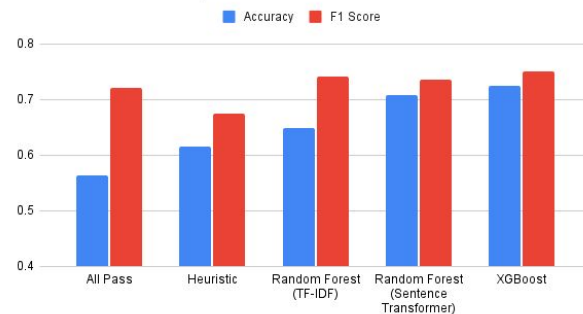
## Next Steps

- 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

