

HOOKED ON BOOKS

A BOOK RECOMMENDER SYSTEM

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Problem: If you pick up a book you don't like, it can put you off reading for a long time.

Solution: An easy way to know if the book is worth reading

Dataset Overview

<https://zenodo.org/records/4265096> | Scraped from GoodReads

Features

- Pages
- Published Year
- Published Month
- Author Rating
- Publisher
- Ratings Count
- Genres
- Genres Count
- Description

Target Variable

- Rating Score (1 or 0)

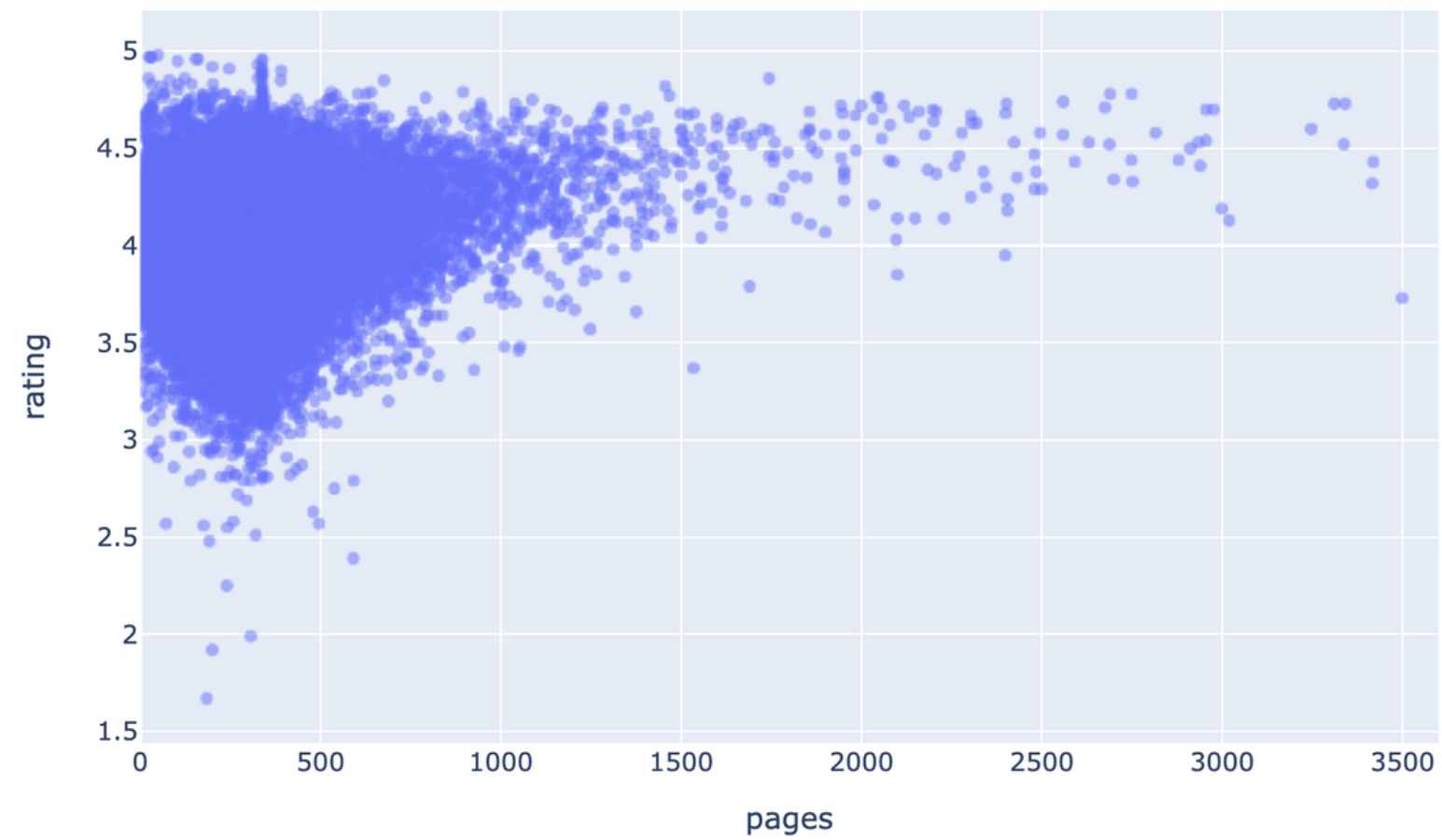
1 - 52 %

0 - 48 %

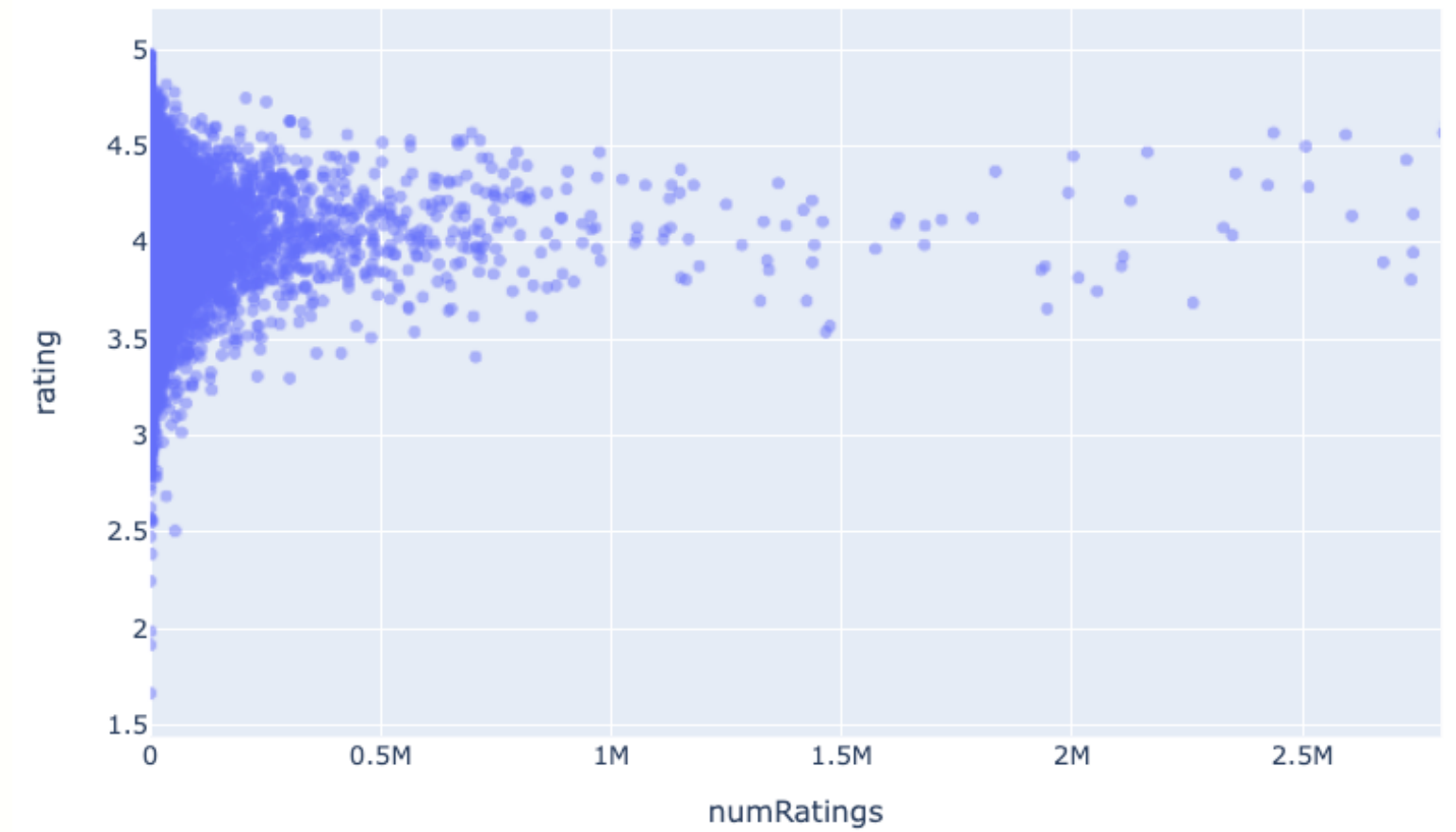


EDA Insights

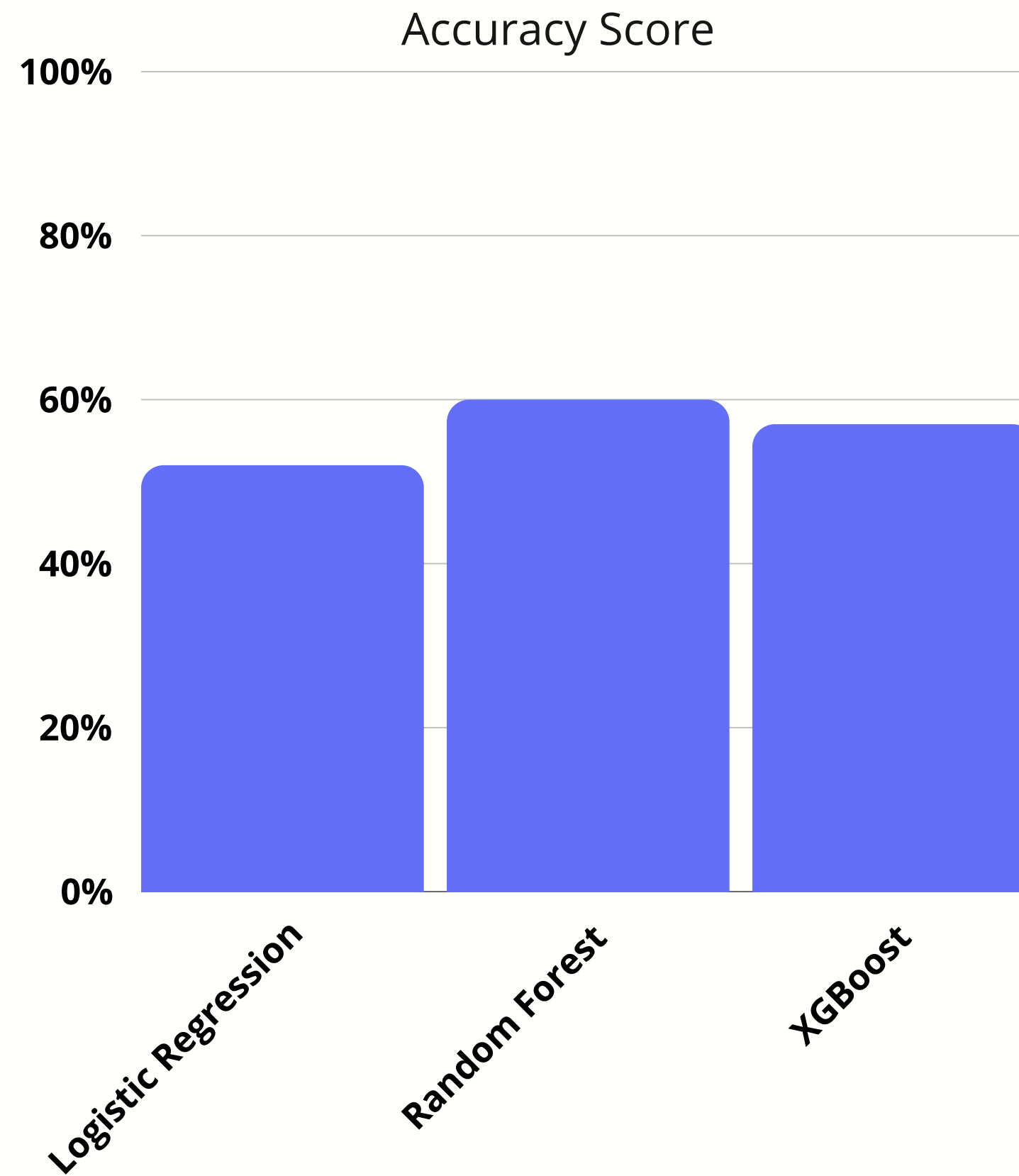
Relationship between Rating and Pages

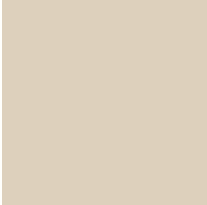


Relationship between Rating and Number of Ratings



Model Comparison



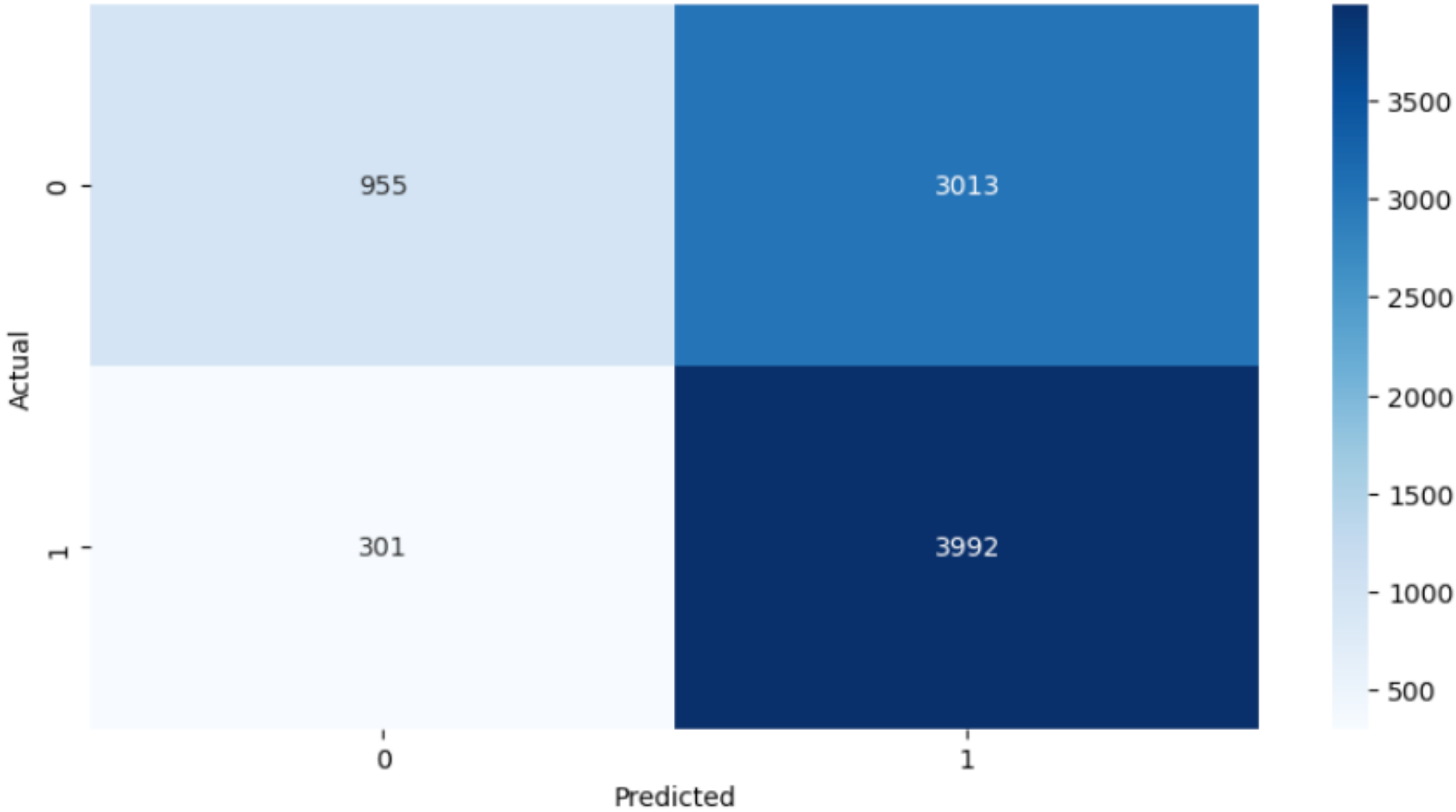


Random Forest Classifier

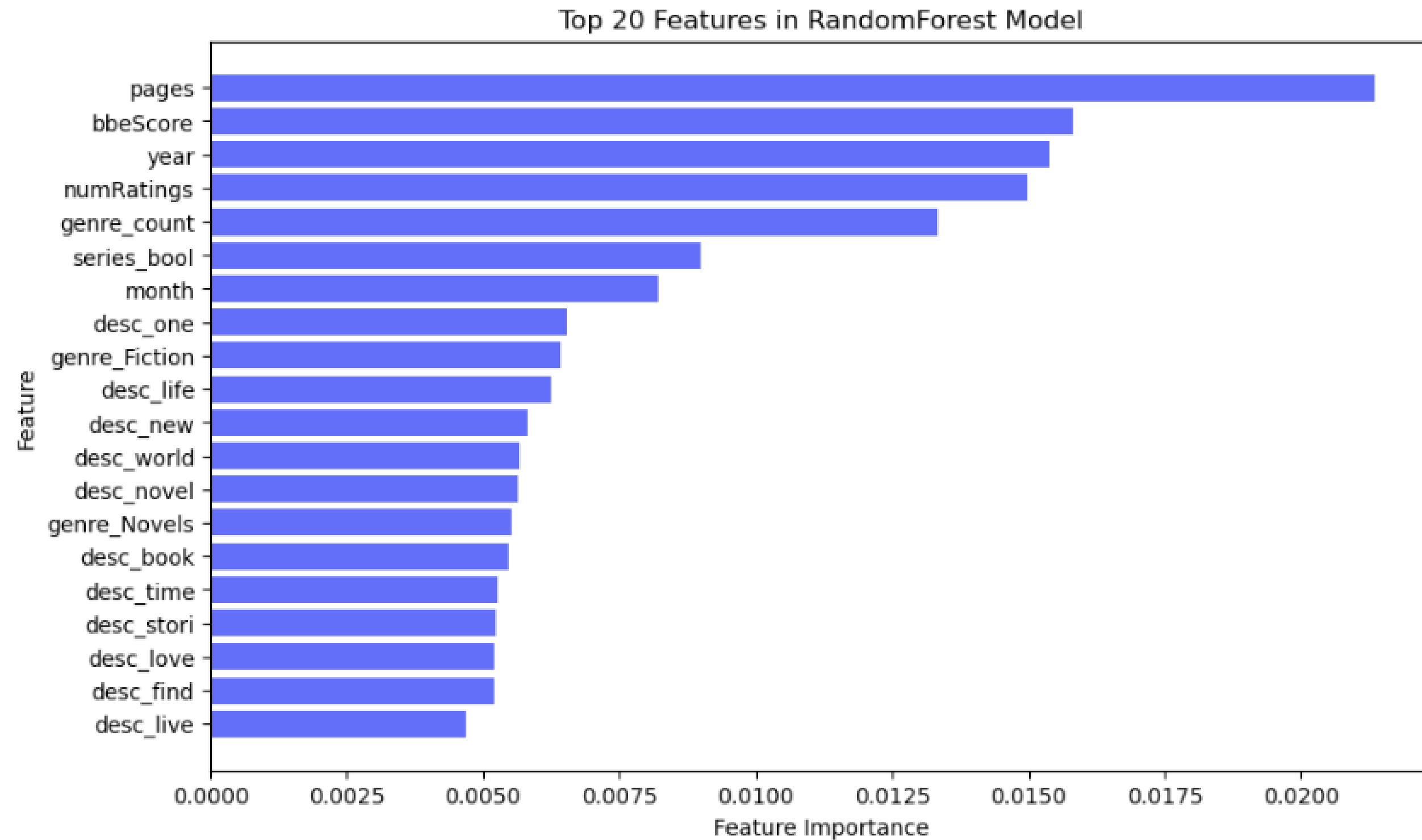
Classification Report

	Precision	Recall	f1-Score
0	0.76	0.24	0.37
1	0.57	0.93	0.71

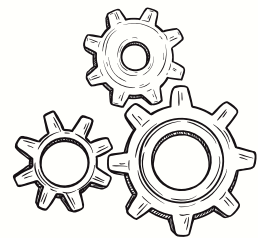
Confusion Matrix



Feature Importance

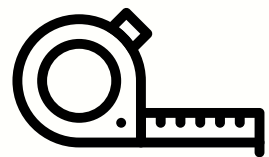


Next Steps...



Feature engineering

- Genres
- Awards
- Word embedding



Metrics

- Error analysis



Updated dataset



Working model + scanner

STAY IN TOUCH

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