

# Book It to the Library

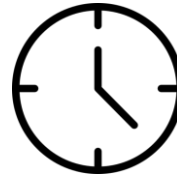
A Book Recommendation App



# Mission



Cut choice overload



Save time



Save money



A row of eight old, leather-bound books standing upright on a blue surface. The books have spines in various colors: red, dark red with gold patterns, purple, green, orange, yellow, and light yellow. The background is a textured teal wall.

Live Demo

# Data

Data from <https://github.com/zygmuntz/goodbooks-10k>

Originally from goodreads.com

This dataset contains six million ratings for ten thousand most popular (with most ratings) books

Humans tagged each book when they rated them,  
which is how I created the genres

# Model

- Used a basic KNN model
- Predictions were computed offline
  - Inputs were limited to three choices from the top twenty books for each genre
- Used precision as the success metric
  - Goal is to show only books that the user will actually enjoy
  - Cost of showing false positives is high

Accuracy Metrics	
Genre	Precision
History	93%
Chick-Lit	97%

# Insights

Some genres had too few books for meaningful recommendations

The Humor genre predicted Calvin and Hobbes to almost everyone (although, this is a great book, so maybe not a problem)







Questions?