Discover Your Next Favorite Book

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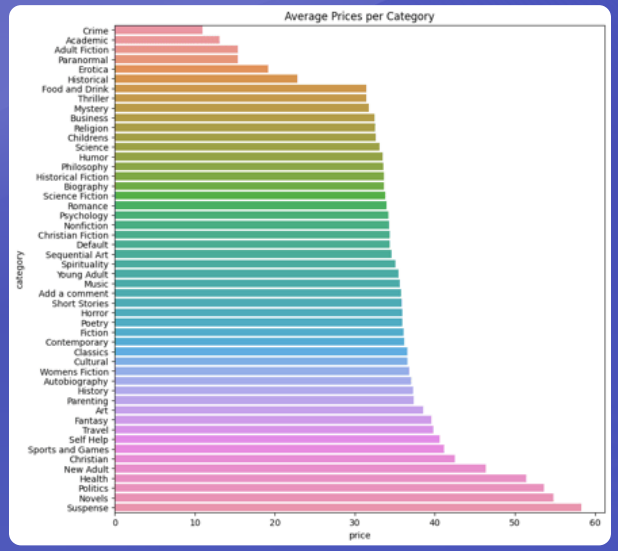
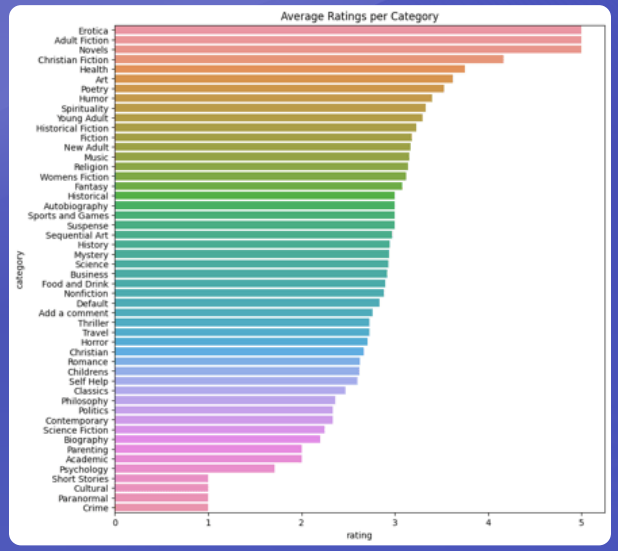
The Data

I scraped **books.toscrape.com** to collect the following criteria:

- Title
- Category
- Rating
- Price
- Stock Availability



Average Price per Category



Average Rating per Category

Recommendation Methods

I use three different clustering for recommendations: Kmeans, DBSCAN, and Agglomerative Clustering (Hierarchical).

Kmeans

This algorithm clusters similar books together based on the five criteria from our data. It's perfect for finding patterns in large data sets.

DBSCAN

This algorithm explores groups of books that are all within a particular range of each other. It's great for identifying trends.

Agglomerative Clustering

This hierarchical method groups books together in increasing levels of similarity. It's effective at creating book recommendations based on specific criteria.

How App Works

The app uses the Agglomerative Clustering to identify books similar to the ones you like. It then present those recommendations.

Step 2: Find Similar

We use an advanced algorithm to find books similar to your preferences.

Step 1: Input Preferences

Tell me what you like by inputting the title of a book you enjoyed

Step 3: Present Recommendations

The app presents recommendations in a user-friendly format, sorted by their similarity to your input preferences.

Key Features

I've packed our app full of features to make finding your next favorite book a breeze.

Clustered by Price, Category, and Rating

You can easily sort and filter your recommendations based on these three important factors.

Keyword Search

Enter any keyword related to what you're looking for and the app will find it for you.

Selection from List

You can also browse our comprehensive catalogs for inspiration and select favorites for quick reference.

Outlook

In the future, it it would make sense to

- integrate the app with popular online bookstores to make purchasing your favorite books even easier.
- Using API to make better predictions

Ready to Get Started?

Head over to the app and start finding your next favorite book today!

Find your book now.