

Book Recommendation system

So first of all what is recommended system? IN this there is a piece of code which is intelligence enough to understand the preference of user and by the help of this it shows the result or content to the end user.

Target: To interact with the user with great user interface and let them to spend more time in our website so user liked it and Buy it.

When you land on our website we have Top 50 books are displayed over there which is basically recommended from our side whose rating are great and user can get idea about the content.

Then after we have search button where user Asked about similar books like he wants to read then we recommend similar kinds of books that he read before.

In this project I have used HTML,CSS for the front-end and Flask (it is python web framework which provide tools to create website) .

This project is based on data filtering .I have taken datasets from keggel and filter them according to our requirement. Data sheet contain book Title ,name of author,Rating of books and voting done by the user . In this data sheet we have delete all duplicate books items and group them by their attributes and then perform filtering method.

Bacially we have used two recommend filtering

1. Popularity based filtering: it is totally based on the formula .after performing EDA I conclude that I have to that user who has done minimum 250 votes on different books. And group them with the help of book-title and by the help of this we Extract Top 50 books for our home page.

2. collaborative based : To filter the data I have taken those user who has done min 200 votes on the books and those book who has more than 50 rating. After that we find similarity score by finding distance of the book and then recommend to the user .

After performing Filtering we export them with the help of pickle file and then import those pickle file to flask app and by the help of HTML and

CSS we create the front end part and render those data by flask application.