

<P-457- Book Recommendation>

Business Objective:

Generate the features from the dataset and use them to recommend the books accordingly to the users.

Content

The Book-Crossing dataset comprises 3 files.

- **Users**
Contains the users. Note that user IDs (User-ID) have been anonymized and map to integers. Demographic data is provided (Location, Age) if available. Otherwise, these fields contain NULL-values.
- **Books**
Books are identified by their respective ISBN. Invalid ISBNs have already been removed from the dataset. Moreover, some content-based information is given (Book-Title, Book-Author, Year-Of-Publication, Publisher), obtained from Amazon Web Services. Note that in case of several authors, only the first is provided. URLs linking to cover images are also given, appearing in three different flavours (Image-URL-S, Image-URL-M, Image-URL-L), i.e., small, medium, large. These URLs point to the Amazon web site.
- **Ratings**
Contains the book rating information. Ratings (Book-Rating) are either explicit, expressed on a scale from 1-10 (higher values denoting higher appreciation), or implicit, expressed by 0.

Milestones:

30 days to complete the Project

Milestone	Duration
Kick off and Business Objective discussion	1 day
Data set Details	1 week
EDA	1 week
Model Building	1 Week
Model Evaluation	1 week
Feedback	
Deployment/ Final presentation	1 day

Protocols:

- 1) All the documentation – Final presentation and python code to be submitted before the final presentation day**
- 2) All the participants must attend review meetings**