

# DATA SCIENCE ASSIGNMENT

The following assignment has been divided into two parts.

## **For First Part:**

The user's interaction with items (books, things they purchase) can not only reveal the things they like but also much about their social relationship or preference. These specific datasets include ratings as well as social (or trust) relationships between users. Data is from LibraryThing (a book review website) and epinions (general consumer reviews).

So, divide the dataset into 70:30 ratio for training and testing respectively and for each testing point, you have to recommend a social group of a person based on their reviews.

Dataset Links : [Link 1](#) [Link 2](#)

Both datasets are different, one is a book review dataset and the other one is general consumer reviews.

## **For Second Part:**

After making the model, in the first, now you have to deploy your recommendation model and create an API endpoint for it. Create only backend API (No need to create a frontend).

## **For Bonus:**

Go to [dashboard.myways.in](https://dashboard.myways.in) , Log in to your Student Account (create an account if you are new to the platform), fill up your details . This part again has been divided into two parts:

- i) Analyze the website critically and tell us where you think Machine Learning is being used and can be used. Please elaborate each point you mention.
- ii) For the second part, suppose you have full authority **to bring new features, using ML or DL**, on the MyWays dashboard, what features would they be and how would you go about technically modelling them?

**Submit a google document link for this Bonus Part.**

## **Instructions:**

**Deadline: 72 hours from receiving this assignment. You have to submit a drive link [here](#).**

Do not share your code on any public code sharing platform like GitHub, Kaggle, etc.

Do not share your code with anyone other than us even in private.

**For any query mail us at:** [miniverma23april@gmail.com](mailto:miniverma23april@gmail.com),  
[grover.puneet1995@gmail.com](mailto:grover.puneet1995@gmail.com), and (cc) [hr@myways.in](mailto:hr@myways.in).

Good Luck!,

**Team MyWays**