Task: Predict the rating scores of the pairs (u, i) in the Test.txt file.

Dataset：

(1) Train.txt, which is used for training your models.

(2) Test.txt, which is used for test.

(3) ResultForm.txt, which is the form of your result file.

The formats of datasets are explained in the DataFormatExplanation.txt.

In this project, you need to report the predicted rating scores of the unknown pairs (u, i) in the Test.txt file. You can use any algorithms you have learned from the course or from other resources (such as MOOC).

One group (consisting of at most three students) needs to write a report about this project. The report should include but not limited to the following contents:

1. Basic statistics of the dataset (e.g., number of users, number of ratings, number of items, etc.);

2. Details of the algorithms;

3. Experimental results of the recommendation algorithms (RMSE, training time, space consumption);

4. Theoretical analysis or/and experimental analysis of the algorithms.

**The deadline is June. 22, 2025. （2025年6月22日晚上24点）**

**Send this homework to webbigdata@163.com**

All your submitted assignments must be entirely your own groups. Any student found cheating or performing plagiarism will receive a final score of zero.