EE 412 Project 2 Documentation
Due: 18th Dec, 11:59 PM
Submit to KLMS.

Topics: Collaborative filtering

Predict hidden ratings of users on the item. Performance will be measured in RMSE.

1. Dataset:
   a. Given dataset contains ratings of 943 users on 1682 items. User IDs and item IDs are numbered consecutively from 1. Timestamp is Unix time format
   b. Data file description
      i. **ee412.train**: training dataset. Each line consists of
         <user_id><tab><item_id><tab><ratings><tab><timestamp>
      ii. **ee412.testset.csv**: test dataset. Each line of test set consists of
         <user_id><comma><item_id><comma><timestamp>.

So you should submit your rating predictions for each user_id and item_id pair on ee412.testset.csv.
Submission result file format should be
<user_id><comma><item_id><comma><ratings>
Your result do not need to be sorted in user_id or item_id, just use same order in ee412.testset.csv
(For example, first and second line of ee412.testset.csv is

1	1028	879541148
194	54	879525876

, so you should write
1,1028,<your_prediction>
194,54,<your_prediction>
…
on your result file.)

2. Submission:
Submission file should be named as [student_id].zip
It must include:
- Source code
  o You can use Matlab or Python
  o You may use some toolbox for common operation, but your algorithm should be implemented by on your own.
  o Training code (code for making your model)
  o Evaluation code (code for making your result txt file)
- Documentation
  o Explain your method
  o Explain about your implementation
  o Explain how to run your code
  o Discussion/Analysis about your model
  o Reference if you have any
  o Documentation file name is doc_[student_id].[pdf/docx/txt] (plz, no hwp)
- Result file
  o **Your result file should follow the format described in 1. Dataset**
  o Result file name is result_[student_id].txt

3. Evaluation
    a. Accuracy (measured in RMSE) 40%
    b. Novelty (you should explain in your documentation) 50%
    c. Documentation 10%

4. Contact
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