MiniProject 2

CSX4207/ITX4207: Decision Support and Recommender Systems /
ITX4287: Selected Topic in Decision Support and Recommender Systems

Mini Project 2

- **Part I: A simple recommendation algorithm (9%)**

1. Download the datasets from the subfolder 'mini-project2' in Google shared drive:
   1. Beer_taste_Reviews_1M_testset.csv
   2. Beer_taste_Reviews_1M_trainingset.csv

2. Implement one (modeless or model-based) technique discussed in the classes, which uses Beer_taste_Reviews_1M_trainingset.csv to predict the taste's rating **of the dataset** in Beer_taste_Reviews_1M_testset.csv (Remark: the column 'review_taste' in the test file will be used in Step 4 only.)

3. The predicted results will be one more columned added to the Beer_taste_Reviews_1M_testset.csv << Rename the file as 'Part1_File1_PredictedRatings_Group[group_no].csv'.

4. **Calculate and store RMSE of the predicted results obtained in step 3**. << Store the result in the file 'Part1_File2_RMSE_Group[group_no].txt'.

Mini Project 1 -- *Cont.*

- **Part II: A simple content based filtering algorithm (9%)**

  1. Use the same datasets as given in Part I.

  2. Modify the technique obtained in Part I in order to improve the predicted results.

  3. The predicted results will be one more columned added to the Beer_taste_Reviews_1M_testset.csv << Rename the file as 'Part2_File1_PredictedRatings_Group[group_no].csv'.

  4. **Calculate and store RMSE of the predicted results obtained in step 3**. << Store the result in the file 'Part2_File2_RMSE_Group[group_no].txt'.

  5. **Grading criteria:** the scores given in Part II will be ranked with respect to the evaluated results in 2) and the effort of the algorithm(s) implemented and/or experimented.

Submission and Presentation (2%)

- Submit the code (a zip file), results and the presentation (.pdf file) one day before the deadline (23:59 on Sep. 22 (Sec. 541) or Sep. 23 (Sec. 542).

- Every team member must present your individual contribution in class on Sep. 23 (Sec. 541) or Sep. 24 (Sec. 542). Otherwise, there is no score given.