

Department of Mathematics
II Semester 2018-2019
MTL 782 DATA MINING
Weightage: 12% Due Date: 15.3.2019

1) Implement Apriori and FP-growth algorithm in your preferred language (preferably python). Proper citation needs to be given if utilisation of any online resources. You should be able to load any of the data sets (atleast the last two datasets) available at below link and produce results.

<http://www.cs.uef.fi/~whamalai/datasets.html>

[5]

2) Modify the above algorithms to reduce the time complexity or space complexity. Proper documentation within the code should be given wherever modifications has been done as compared to code in part one. If you are modifying as per some later publication, give its proper citation. Also attach that paper in the submission. The modifications should be clearly expressed and you should be able to demonstrate the changes during the presentation. Also make relevant plots for visualising the results. [7]

Finally, submission is to be done through including all files in a zipped file. You have to present this project. Submission file should be named as 'Assignment_1_' followed by your entry numbers. Mail it to Professor B.S. Panda and Kartikay (maz158144@iitd.ac.in).