Graded Lab Assignment 1: Association Rule Mining

Implement the apriori association rule mining algorithm discussed in Unit 2. Please do go through the lecture in detail and complete the non-graded homework assignment before you start on your implementation to ensure that you fully understand the algorithm. Please run your program with different values of the input parameters and with progressively larger datasets to get a better perspective on how the association rule mining algorithm works.

Test the algorithm using a randomly generated input dataset.

Deliverable: You are required to provide a demo of your program on or before the deadline specified below in this document.

Please note the following points:

1. This lab assignment will contribute to **5% of your grades** for the course.

2. Please write the Names and Roll Numbers of your group members in the Comments section at the beginning of your program file. All programs should be submitted on Blackboard on or before the stated deadline. Please note that your programs may be subjected to plagiarism checks.

3. The **deadline** for assignment submission is **Feb 9, 2017, 11.59 pm IST**.

4. This is a **HARD deadline** and no points will be awarded for the assignment if you submit after the deadline, unless there are extenuating circumstances.

5. You are required to show the demo of your program. Of course, you should try to run your program by progressively increasing the size of the input dataset.

6. The grading criteria for this assignment will be based on effort, adherence to learning points from your previous non-graded assignment, code quality, visualization, results and scalability.

7. ***Any act of plagiarism will result in a zero for the entire assignment. Hence, please avoid any form of plagiarism.***

8. This is a group assignment, hence please do NOT collaborate with your fellow students in other groups towards the completion of this assignment. However, you are obviously required to collaborate effectively with members of your own group to ensure that you are able to function as a team player.