

Quiz 1

Data Mining, Spring 2024

Name _____

Roll No _____

Submission Location: Submit word document on Google Classroom. The name of the document should be **your roll number**.

In this assignment, you have to preprocess and explore the given dataset using WEKA. Report your findings in a word document and upload it on google classroom.

- a. Explore the dataset and understand the types of each attribute and apply appropriate preprocessing.
- b. Apply different data preprocessing techniques on different attributes. Techniques such as
 - a. discretization,
 - b. normalization,
 - c. data smoothing
 - d. data reduction

Do explain your choices like why you selected equal frequency binning, equal width or entropy. Similarly explain your choices for normalization and data reduction.

- c. Apply different techniques available in WEKA for selecting attributes. Apply three classification Algorithms that cover in class. compares the accuracies of three different classifiers, decision tree classifiers, naive Bayes classifiers, and support vector machines, on various data sets and gives reason Why it works well as compare to others

Decision tree classifiers	Naive Bayes classifiers	Support vector machines