Data Warehousing and Data Mining (IT 274) Lab Index

Lab	Lab Title
1	Preprocessing of primary and secondary datasets containing dirty data.
2	Designing various Data Warehouse Schema (Star Schema, Snowflake Schema, Fact Constellation) using MySQL query.
3	Prepare a numeric type primary dataset and perform discretization on the dataset.
4	Use ID3 and J48 algorithms to design decision trees using a primary dataset. Assume the cross validation. Also visualize the tree using the J48 algorithm.
5	Use Naïve Bayes' Classifier on a primary dataset.
6	Illustrate Multilayer Perceptron.
7	Generate association rules using Apriori algorithm for a suitable primary dataset. Use minimum support of 0.2 and minimum confidence of 0.7.
8	Generate association rules using FPGrowth for a suitable primary dataset.
9	Perform K-means clustering with K = 2.
10	Perform Hierarchical Clustering.
11	Programatically perform Density Based Clustering.
12	Programmatically demonstrate KNN classification.
13	Given minimum support of 2, programmatically generate frequent itemsets using Apriori method.