

CS6301 - Machine Learning Lab

Date: 23.01.23

Set up your environment and start the WEKA Explorer

Preprocess, Classify, and Visualize panels

1. In Preprocess:
 - load a dataset (weather.nominal) and look at it
 - use the Data Set Editor
 - apply a filter (to remove attributes and instances).
2. In Visualize:
 - load a dataset (iris) and visualize it
 - examine instance info
 - (note discrepancy in numbering between instance info and dataset viewer)
 - select instances and rectangles; save the new dataset to a file.
3. In Classify:
 - load a dataset (weather, nominal) and classify it with the J48 decision tree learner (test on training set)
 - examine the tree in the Classifier output panel
 - visualize the tree (by right-clicking the entry in the result list)
 - interpret classification accuracy and confusion matrix
 - test the classifier on a supplied test set
 - visualize classifier errors (by right-clicking the entry in the result list)

Instructions to be followed - Observation

1. Write description about WEKA tool.
3. Write the results u obtained
4. At the end, u should add some inference (what do u understand from the results u got)