

# Homework 2

CS 6243 – Spring 2005  
Tom Bylander, Instructor

assigned January 27, 2005  
due February 3, 2005

1. (50 pts.) Use the first 3 examples of each class of the simplified Iris dataset (from web page) as your training set. Use the next 3 examples of each class as the test set. Use normalization to scale attribute values (use minimums and maximums from the training set).

For each test example, identify its nearest neighbor in the training set and indicate whether the nearest neighbor prediction is correct or in error.

2. (50 pts.) Use the first 5 examples of each class of the simplified Glass dataset (from web page) as your training set. Use the next 5 examples of each class as the test set. Use normalization to scale attribute values (use minimums and maximums from the training set).

For each test example, identify its nearest neighbor in the training set and indicate whether the nearest neighbor prediction is correct or in error.

Hint? The IBk classifier in Weka can be used to solve these problems if you can figure out where to print out what.