# Hardcoded Shell

Name: John Wood

1. Please provide the URL of your public GitHub repository.

<https://github.com/johnmwood/CS450>

For questions 2-6, please type "True" or "False" in front of the question number.

True 2. My experiment shell can correctly load the Iris dataset:

True 3. My experiment shell randomizes the order of the instances (making sure to keep instances lined up with their appropriate targets) it and splits the data into a training set (70%) and a test set (30%)?

True 4. I have created a HardCoded classifier class with two methods: train and predict. The train method accepts training data (including targets). The predict method returns a prediction or classification for each instance it receives.

True 5. The Experiment Shell, processes the data, passes the training data to the classifier’s train method, the test data to the predict method, and then compares the predicted values against the correct answers, to produce an overall accuracy (on the test set).

True 6. I have run the HardCoded classifier on the Iris dataset and obtained a result.

1. What accuracy do you get when running the HardCoded classifier on the Iris dataset and why do you think that is?

About 34% is my accuracy score on the HardCoded classifier. I would believe this has to do with the fact that there are 3 different targets: 0, 1, 2 and we are only having the predict method return a list of 0’s instead of actually making any predictions. This would make it right for about 1/3 of the predictions.

1. Please select the category you feel best describes your assignment:

5 - Shows creativity and excels above and beyond requirements

1. Provide a brief justification (1-2 sentences) for selecting that category:

I believe I really put a lot of thought and effort into making my HardCoded classifier. It covers all of the requirements for the assignment and uses pandas efficiently to account for different file types such as csv and txt. It is also modular and works well.