Sebastian Kurpiel

Comp 379

10/7/17

**Homework 3: Logistic Regression VS KNN**

The dataset I chose to work with was the iris dataset because it is part of sci-kit learn and I figured it would be the easiest dataset to implement correctly. The dataset contains four features: sepal length, sepal width, petal length, and petal width. The target of the dataset is to figure out what species of flowers it belongs to, the three possible results are; iris setosa,iris versicolor and iris virginica.

The implementation of logistic regression model I chose to go with is found in the python library ,sci-kit learn. The results were very impressive, the model score a perfect one on the variance score without much adjust to the parameters. The perfect variance score also resulted in a zero mean squared error further showing that logistic regression was able to correctly model the iris dataset.