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CSC 732
Final
K Nearest Neighbor

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Dataset: Iris

Algorithm: K Nearest Neighbor

Language: Python

Comparison Simulation Software: Weka lazy IBK

K nearest neighbor was constructed in python and was tested with the Iris dataset. The set was split at 66% where the rest was used for testing. Within Weka there nearest neighbor algorithm was applied the same way. Results are as follows: My KNN was able to achieve a 98% accuracy with the 66% split. Weka however was able to achieve a 96% accuracy of predicated results. I would imagine their algorithm is more sophisticated with more parameters that could be tuned to get a better result. This is why under the circumstances my KNN did better.