

Data Mining_Assignment 2

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Install Anaconda (be sure to use the Python 3.6 version): <https://www.continuum.io/downloads>

Read section 10.8 in the text and this sci-kit learn overview of nearest neighbor (NN):

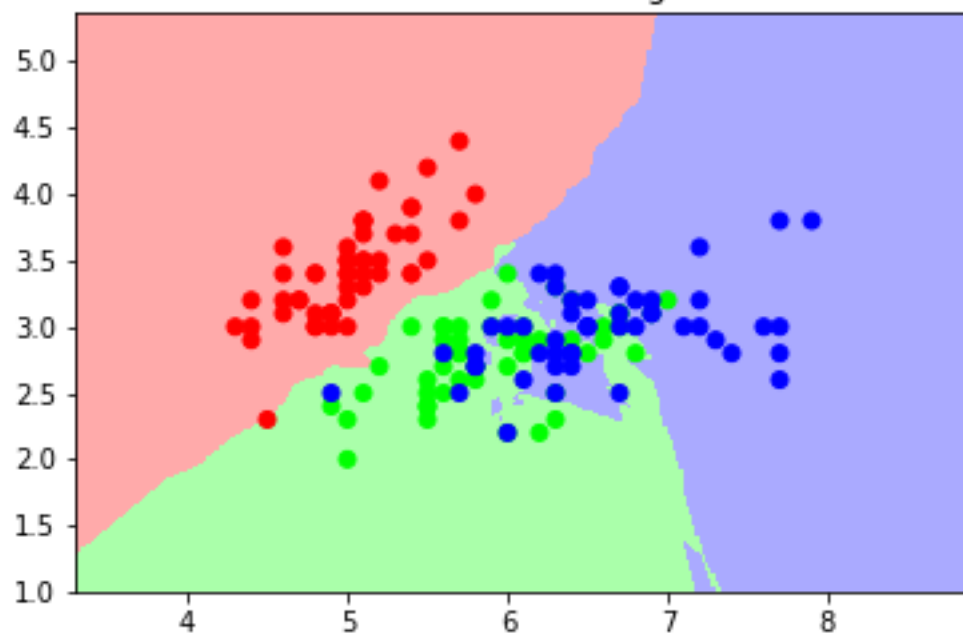
<http://scikit-learn.org/stable/modules/neighbors.html>

Using Anaconda, execute the example code for NN: http://scikit-learn.org/stable/auto_examples/neighbors/plot_classification.html#sphx-glr-auto-examples-neighbors-plot-classification-py

Alter the code to produce plots by varying the number of nearest neighbors, k , from 5 to 50, in increments of 10. What do you notice about the results?

Put your plots in a document along with your analysis and submit

3-Class classification (k = 5, weights = 'uniform')



3-Class classification (k = 5, weights = 'distance')

