

CSc 59929

Introduction to Machine Learning

Assignments for Week 8

Due October 24 by 10:59 AM

- **Compete the programming exercise described in the following charts.**
- **Continue looking for an interesting dataset as described in the following charts.**

Programming Exercise

- Apply the **Scikit Learn AdaBoost Classifier** code to the **Iris dataset** using all three categories and all four feature at once and upload your .ipynb file. Use a Decision Tree Classifier at your base classifier. Try using decision trees of varying depths for the base classifier.
- Compare your results with those you obtained last week when you used the **Scikit Decision Tree Classifier** code to the **Iris dataset** using all three categories and all four feature at once.

An Interesting Dataset

- Later this semester we'll break into small groups to work on projects.
- Continue looking for interesting datasets on the Internet. Look for ones that you'd be interested in applying a variety of ML techniques to in order to answer non-trivial questions.
- Note that NYC makes available a number of interesting datasets. You should check these out.
- Also note that at this point there is nothing to submit for this assignment.