COSC 251 – Lab #4
I wish we had more oak trees around here.

Purpose: Build some code common to data science, learn to navigate the Python documentation, and draw something.

Task: Utilizing Jupyter, you will be doing two tasks that are common to data science. The first is file I/O. To start, you should get the Acorns.txt file from the course website, and using Python's built-in file processing, bring in the data from the file. Note: we haven't talked about file I/O, so it is up to you to research how to do this! You are likely to want to store each column as its own list. You may not simply copy and paste the data into your notebook.

Once you have all the data stored, create scatter plots for two sets of data – Species vs. Range and Region vs. Average Tree Height.

Deliverable: the .py file that contains your source. It should be well commented. You may work in pairs for this lab.

Deductions (beyond incorrect calculations):
-2 per missing plot
-4 erroneous file input
-1 lack of comments

Due: By 11:59pm Tuesday. No exceptions. To be turned in via Blackboard.