**SKELETAL NOTES** (follow this template to take notes as you are working through the lab):

**Learning Objectives**

What are the main learning objectives for this lab?

**Packages:**

What packages are used in this lab?

**Functions**

List all the **Python functions** learned today and their syntax:

* pandas: (don’t forget to include how to create/access series using square brackets [])
* pyplot:

**Unix**

List all the **bash commands** learned today and their syntax:

**FOCUS QUESTIONS** (Make sure you can answer these questions when you are done with the lab):

* What is the pandas package useful for?

* What is a CSV file? What is it used for?
* Using the spreadsheet analogy:
  + What is a pandas dataframe analogous to?
  + What is a pandas series analogous to?
* In python, we have seen the use of square brackets ( []) in different context:
  + To take a slice of a string (e.g. myString[:5] returns the first 5 characters of myString)
  + To access a portion of a numpy array (e.g. img[2:3,:] returns the third row of img -- a 2-dimensioanl array)

What are square brackets used for in pandas dataframes?