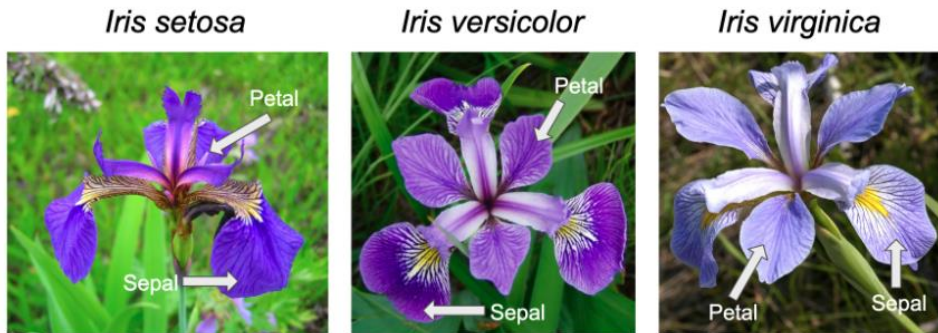


## Introduction to R – Assignment (Due Oct 17, 2025)

### 1. Use the provided file *Iris\_data.csv*

This data set gives the measurements in centimeters of the variables sepal length, sepal width, petal length, and petal width for 50 flowers from 3 species of *Iris*. The species are *Iris setosa*, *I. versicolor*, and *I. virginica*.



- Import the dataset and assign a name to store the data as an object
- Calculate the mean value of sepal length and sepal width
- Calculate the Standard Deviation of sepal length and sepal width
- Make a plot (scatter plot) of sepal length (y-axis) against sepal width (x-axis) and save it as a .pdf file

\* Remember to use what we learned in class

### 2. Use the provided file *Reported\_heights.csv*

To gather this data, a group of students were asked to report their height (in inches) and sex in an online form.

- Import the dataset (remember to store it as an object)
- Calculate the mean value of heights
- Calculate the standard deviation of heights
- Make a plot (boxplot) showing the differences between male and female heights and save it as a .pdf file

\* Remember to use what we learned today (as much as you can!)

**Once you are done, upload three files: your script (.R – one file) and your plots (.pdf – two files)**

Any questions? Send me a note! [carolinasarm@usf.edu](mailto:carolinasarm@usf.edu)