

# Lecture 2.2 – Basic Plotting with R Markdown

## Specific Learning Objectives:

2.2.1 – Create reproducible scripts in R.

2.2.2 – Include effective documentation in scripts and projects.

2.2.4 – Create and use Notebooks and documents using RMarkdown.

3.2 – Learn how to plot quickly using R's base graphics.

# Check Your Understanding

**Make a plot of vapor pressure in mmHg versus temperature in C of mercury using the pressure data set. Set the axis labels and title.**

**Make the same plot using a different method (either with or without a formula).**

# Check Your Understanding

**Make a plot of circumference versus age of the orange trees in the data set Orange. Give each tree a unique color *and* point shape.**

# Check Your Understanding

**Add a legend to your graph of Orange trees.**

# In-class Exercises

- 1. Pick a data set from the base package (`data()`) and make one or two plots. Add these plots to the end of your `L2.2Notebook.Rmd` file.**
- 2. Work on Assignment 2.1. (Remember, this should be a separate Rmd file than the lecture notes!)**

# Action Items

- 1. Complete Assignment 2.1 using R Markdown.**
- 2. Read Davies Chapter 8 and Chang Chapters 1-2 for next time.**