

## Objectives

Upon completion of this module, students should be able to:

- Understand the value of R for data science and the social sciences
- Use R and the ggplot library to produce basic graphical displays of their data
- Distinguish the appropriate type of plot to use depending on the data they are working with

## What to do this week:

- Watch the [Week 1 lectures](#) prior to the start of the synchronous session on Thursday, 9/2 at 6pm ET
  - [Week 1 - 1a Introducing Visualization \(15:07\)](#)
  - [Week 1 - 2 Changing an Aesthetic \(4:13\)](#)
  - [Week 1 - 3 Adding Facets to a Graph \(3:35\)](#)
  - [Week 1 - 4 Beyond Scatterplots: Different Types of Graphs \(8:44\)](#)
  - [Week 1 - 5 Single Variable Graphs \(Bar Charts\)](#)
- Download the following files to complete your work for this week in the [Week 1 folder](#).
  - [Visualization handout](#): refer to it while watching the Week 1 lecture on visualization. Be sure to read the handout thoroughly prior to the synchronous session.
- [Attend Synchronous Session on Thursday 9/2, 6-7pm ET \(information on accessing session here\)](#)
- You can download the script (command file) that corresponds to the videos [here](#) [download](#).

## Homework:

- [Read textbook, \(Links to an external site.\)](#) chapter 3 before beginning the homework assignment
- [Homework on Visualization](#) due Monday 9/6
- [Need help with the course site? Start here.](#)