

Reading and Action List Week 1:
Read and Do before class Week 2
Bring questions or use discussion board to see answers

R for Everyone

Chapter 1: Read

Chapter 2: In section 2.2.1 RStudio Projects, focus on New Project and Existing Directory options.

In section 2.2.2 RStudio Tools you can browser to gain an idea of what is possible.
Mostly I don't change defaults until I have gained experience or advice from others.
You make changes later. On page 23 under the packages option I might change the CRAN mirror site used to download packages to PA2. This seemed to be little more responsive, but this could have just been happenstance.

Skip 2.2.3 and 2.3

Chapter 3: Read

Chapter 4: Pay particular attention to section 4.4.2 on factor vectors.

R graphics based on the lattice and ggplot2 packages make heavy use of factors to

1: Define and label panels (also called facets) used to partition a plot

Partitioning supports one-way or multi-way comparison.

(Female, Male) x (Black, Hispanic, White)

Partitioning creates perceptual groups that support local focus

2: Control symbol shape and color

3: Label lines in row labeled plots

R can also convert factors into a form suitable for use in regression models

R Actions

1. Install R, R Studio and package ggplot2 on your computer
2. The soon to-be-posted week 1 assignment R script produces graphics to submitted for week 3

Visualizing Patterns in Data with Micromaps

Chapter 1: Read

Chapter 2: Pay particular attention perceptual methods in Figure 2:10 on page 24

Chapter 3: Read if time allows. At least look at Figures 3.8, 3.9 and 3.10 that start on page 38.