Assignment 1 (due by next class meeting) Project code and ‘knit’ markdown document (.html file) in your Github repository. Can use the one we created today (if we get that far in class).

1. (REQUIRED) Coded in a R markdown file; use data from your thesis or sample data.
   1. 2-3 figures using base R or ggplot; both displayed in .rmd and exported as .png
   2. Some model specification or statistical summary
   3. 2-3 tables summarizing various aspects of the data
   4. Map of the study site or other place of interest.
2. (Optional; pick 2-3)
   1. Table of contents
   2. Font formatting (italics, bold, different font colors)
   3. Flow chart (Diagrammer) or Gantt chart
   4. Links (URL) to helpful reference/source information for your code; helping your future self.
   5. In-line calculations/presentation
   6. Links to supported media files (youtube, vimeo, etc.)
3. Force yourself to use best-practices for naming conventions and file management

Potential datasets for practice. These are relatively ‘clean’ and do not require much pre-processing

data() #lists datasets from various installed packages; good for practice

data(package = .packages(all.available = TRUE)) #lists the data sets in all \*available\* packages.

install.packages(“datasets”) # package that has tons of practice data

library(datasets)

data(package="datasets")

# I prefer this package because the datasets tend to have more variables

install.packages("dslabs")

library(dslabs)

data(package="dslabs")