Commands

* Use variable <- value to assign a value to a variable in order to record it in memory.
* Objects are created on demand whenever a value is assigned to them.
* The function dim gives the dimensions of a data frame.
* Use object[x, y] to select a single element from a data frame.
* Use from:to to specify a sequence that includes the indices from from to to.
* All the indexing and subsetting that works on data frames also works on vectors.
* Use # to add comments to programs.
* Use mean, max, min and sd to calculate simple statistics.
* Use apply to calculate statistics across the rows or columns of a data frame.
* Use plot to create simple visualizations.
* Define a function using name <- function(...args...) {...body...}.
* Call a function using name(...values...).
* R looks for variables in the current stack frame before looking for them at the top level.
* Use help(thing) to view help for something.
* Put comments at the beginning of functions to provide help for that function.
* Annotate your code!
* Specify default values for arguments when defining a function using name = value in the argument list.
* Arguments can be passed by matching based on name, by position, or by omitting them (in which case the default value is used).
* Use for (variable in collection) to process the elements of a collection one at a time.
* The body of a for loop is surrounded by curly braces ({}).
* Use length(thing) to determine the length of something that contains other values.
* Use list.files(path = "path", pattern = "pattern", full.names = TRUE) to create a list of files whose names match a pattern.
* Save a plot in a pdf file using pdf("name.pdf") and stop writing to the pdf file with dev.off().
* Use if (condition) to start a conditional statement, else if (condition) to provide additional tests, and else to provide a default.
* The bodies of conditional statements must be surrounded by curly braces { }.
* Use == to test for equality.
* X && Y is only true if both X and Y are true.
* X || Y is true if either X or Y, or both, are true.