

Base R is preloaded with many statistics functions and techniques. There are numerous packages available for download and install that expand the functionality of R.

R is an expression or assignment language that is case sensitive.

- Expressions are executed, the result is displayed, and nothing is stored.
- Assignments do the opposite; the result is stored per the assignment and nothing is displayed. Assignments are made by using '`<-`', '`->`', or '`=`' (most of the time; generally this should be avoided).

Commands (expressions or assignments) can be separated by either a semi-colon or a line. Separating by line results in more readable code and, as such, is better in practice.

Comments are lines which start with a '#'; they are not run and are used to indicate to you and anyone who may read your code what the program, section, and/or line is doing. You should get in the habit of using a liberal amount of comments in any program you write.

It's wise to set the directory when you are coding. You can get the working directory by using `getwd()`. Then you can set the working directory to that location or another by using `setwd("path")` where path is the location (e.g., `C:/Users/Kevin/Desktop`). Your R file and any output will then be saved to that location,