Moodle Questions Chapter 1

Homer White

Sunday June 22, 2014

# R as a Calculator

Which of the following bits of R-code will return the number 3, when entered into the Console? (More than one answer may be correct: try them all before committing to your answers!)

sqrt(9)

(2+3\*2142)/1000 - 3.428

sqrt(sqrt(81))

2+7/3

# c(), rep() and seq()

Match each of the following bits of R-code with its output.

seq(1,13,by=2)

## [1] 1 3 5 7 9 11 13

myNumbers <- seq(1,13,by=2)  
myNumbers

## [1] 1 3 5 7 9 11 13

rep(5,times=3)

## [1] 5 5 5

rep(3,times=5)

## [1] 3 3 3 3 3

stoneAgeFriends <- c("fred","barney")  
rep(stoneAgeFriends,times=3)

## [1] "fred" "barney" "fred" "barney" "fred" "barney"

# Making a List of Numbers

Which of the following R commands will produce a list of numbers that begins with 50 and goes up through 90, counting by fives?

(That is, you want the numbers 50,55,60,65,70,75,80,85, and 90.)

seq(from=50,to=90,by=5)

seq(from=50,to=90)

rep(50,90,times=5)

c(50,55,60,65,70,75,80,85,90)