Exercises for Data-driven Ecology

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Suggestion to complete exercises in R markdown files, which will allow to combine code chunks, graphical output, and written answers in a single, easy-to-read files.

# hwk-01: understanding the core concepts of R

Assigning 10 and 20 to x and y, respectively.

x <- 10  
y <- 20

Calculating the product of x multiple y, and storing the result in a new object z

z <-x \* y  
z

## [1] 200

The numbers below are the first ten days of rainfall amounts (0.1, 0.6, 33.8, 1.9, 9.6, 4.3, 33.7, 0.3, 0.0 0.1) in 1996. Create a vector using the c() function.

rainfall <- c(0.1,0.6, 33.8, 1.9, 9.6, 4.3, 33.7, 0.3, 0.0, 0.1)

Based on the vector, and answer the following questions: 1) What was the mean rainfall, how about the standard deviation?

mean(rainfall)

## [1] 8.44

sd(rainfall)

## [1] 13.66473

Which day sawthe highest rainfall (write code to get the answer)?

which.max(rainfall)

## [1] 3