Session 1 - Assignment – 1

1. Say true or false

* Prescriptive analysis used to predict future outcomes – False
* Base R packages installed automatically – True

1. What is recycling of elements in a vector?

Recycling of element is a process which R performs to match the size of 2 different vectors to perform given arithmetic operation.

1. Give an example of recycling of elements.

Let us assume there are two vectors with different sizes, Eg. A = c(1,2,4,5) & B = c(1,8,7,9,10,17) & we have to perform an arithmetic operation(addition) on these vectors to get the output in third vector C.

So, C= A + B, R will take the shorter vector in this case A and repeat its elements until it matches the size of the longer vector i.e. B here. So, the process will be:

A = c(1,2,4,5)

B = c(1,8,7,9,10,17)

C = A + B

Now here A will become A = c(1,2,4,5,1,2)

Therefore C = c(2,10,11,14,11,19)