**Assignment 1.1**

1. Say True or False for the below statements :

* Prescriptive Analytics used to predict the future outcomes – False
* Base R packages installed automatically – True, There are packages which we need to install also.

1. What is recycling of elements in a vector?

Recycling of elements in vector means repeating the elements of the vector while doing arithmetic operation between vectors with different sizes, Shorter vector elements are repeated to match with longer vector size.

1. Give an example of recycling of elements

Lets say, we have b vector with 1 to 5 elements

>b->c(1:5)

>b

[1] 1 2 3 4 5

Now we will add 3 data elements to the 1 to 5 elements

>b+c(1,2,3)

So R will calculate

1 + 1, 2+2, 3+3, 4+1(here 1 is repeating), 5+2 (Here 2 is repeating)

So result will show as below

[1] 2 4 6 5 7