Assignment 1.1

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Batch : DA with R , Excel and Tableau

1. Say True or False for the below statements:

Prescriptive Analytics used to predict the future outcomes?

Ans : False . set of actions based on prediction and alternative actions to be taken based on the outcome of prediction . predictive analytics help to predict the future outcomes

Base R packages installed automatically?

Ans : True

The base packages are installed already but they need to be loaded using

library(“packagename”)

to install a package use install.package(“packagename”)

2. What is Recycling of elements in a vector?

When 2 vectors are of different length and some arithmetic functions need to be used .

R recycles the vector of smaller length to equal the number of elements of vector of larger length .

3. Give an example of recycling of elements.

Eg .,

> c(1,2,3,4,5,6) + c(1,3)

[1] 2 5 4 7 6 9

> c(1,2,3,4,5) + c(1,3)

[1] 2 5 4 7 6

Warning message:

In c(1, 2, 3, 4, 5) + c(1, 3) :

longer object length is not a multiple of shorter object length

> c(1:10)

[1] 1 2 3 4 5 6 7 8 9 10

> c(1:10)+c(1,3)

[1] 2 5 4 7 6 9 8 11 10 13

> c(1:9)+c(1,3)

[1] 2 5 4 7 6 9 8 11 10

Warning message:

In c(1:9) + c(1, 3) :

longer object length is not a multiple of shorter object length