**1.**Say True or False for the below statements:

• Prescriptive Analytics used to predict the future outcomes?

**FALSE**. Predictive analytics is used to predict future outcomes based on historical data while prescriptive tells us what steps to take in order to avoid such cases and failures.

• Base R packages installed automatically?

**TRUE**

**2**. What is Recycling of elements in a vector?

Recycling of elements is done by R when two vectors that as not of same size are available and we need to work on them. R just repeats the shorter vector to match the longer one.

**3.** Give an example of recycling of elements.

Example.

In c(10, 20, 30) + c(40, 30) :

longer object length is not a multiple of shorter object length

> c(10,20,30,40)+c(40,30)

[1] 50 50 70 70

**At first instance there was an error message because 1st vector had 3 elements and 2nd vector had 2 elements.**

**At second instance,R repeated the vector c(40,30) once more to match other vector and then added the elements.**