**INTRODUCTION – 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**

2. What is Recycling of elements in a vector?

**ANS -** When applying the operation on 2 vectors of different length, R automatically repeats or recycles the elements in the shorter vector to match the length of the longer vector.

3. Give an example of recycling of elements.

Ans –

**1}**

c(5,6,4,8,5,2) + c(1,2,3)

|  |
| --- |
| > c(5,6,4,8,5,2) + c(1,2,3)  [1] 6 8 7 9 7 5 |
|  |
| |  |  |  |  |  | | --- | --- | --- | --- | --- | | 2}  matrix(1:12,3,4) + c(1,2,3,4)   |  | | --- | | > matrix(1:12,3,4) + c(1,2,3,4)  [,1] [,2] [,3] [,4]  [1,] 2 8 10 12  [2,] 4 6 12 14  [3,] 6 8 10 16 | |  | | |  | | --- | |  | | | |