

1. Please mention true or false for the below statements:

a) Prescriptive Analytics is used to predict the future outcomes **FALSE**

b) Base R packages are installed automatically **TRUE**

2. What is Recycling of elements in a vector?

Recycling occurs when vector arithmetic is performed on multiple vectors of different sizes. R takes the shorter vector and repeats them until it becomes long enough to match the longer one.

3. Give an example of recycling of elements.

`> c(1,2,3,4,5,6) + c(1,3) .....{c(1,3)→ c(1,3,1,3,1,3)}`

`= c(2 4 3 7 6 9)`