<u>**Session1_Assignment 1**</u>

1. Say True or False for the below statements:

• **Prescriptive Analytics used to predict the future outcomes?**

Ans: True

• **Base R packages installed automatically?**

Ans: True

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

Ans: 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.**

Ans:

```
> c(1,2,3,4,5,6) + c(1,3)
[1] 2 4 3 7 6 9
```

As you can see, the c(1,3) vector repeated itself to form c(1,3,1,3,1,3) so that it could successfully match the previous term.

If the shorter vector is not a vector of the longer one, then a warning message appears, but the operation still takes place.

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