

# Assignment 1.1

1. Say True or False for the below statements:

- Prescriptive Analytics used to predict the future outcomes?: Ans. **False**
- Base R packages installed automatically?: Ans. **True**

2. What is Recycling of elements in a vector?

Ans. **When applying any operation to two different vectors that requires them to be the same length, if one vector is short then other, R automatically recycles vector elements of the short vector, until it is long enough to match the longer Vector.**

3. Give an example of recycling of elements.

Ans. **Lets for example we are adding 2 vectors (1,3,5) and (2,4,6,8,10,12). Below would be the output**

```
> c(1,3,5)+c(2,4,6,8,10,12)
```

```
>c(3,7,11,9,13,17)
```

**Here the elements of first vector 1,3 and 5 were added repeatedly till it matches to the second vectors length.**