**ASSIGNMENT\_1.1**

1. Say True or False for the below statements:

* Prescriptive Analytics used to predict the future outcomes?

**Answer:** False

* Base R packages installed automatically?

**Answer:** True

1. What is Recycling of elements in a vector?

**Answer:** Recycling of vector happens when performing vector operations on two vectors and both vectors are not of the same length. The elements in the vector with smaller length are repeated till its length becomes equal to the vector of the longer length.

1. Give an example of recycling of elements.

**Answer:** Let us take an example of adding two vectors v1 and v2.

v1 <- c(1, 2, 3)

v2 <- c(4, 4, 4, 4, 4, 4, 4)

If we perform v1 + v2, the result would be (5, 6, 7, 5, 6, 7, 5) because the vector v1 is recycled to (1, 2, 3, 1, 2, 3, 1) to match the length of v2