**DATA ANALYTICS WITH R, EXCEL and TABLEAU**

**Assignment – 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 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.

1. **Give an example of recycling of elements.**

**Answer:** > c(1,2,4) + c(6,0,9,20,22)

[1] 7 2 13 21 24

Warning message:

longer object length

is not a multiple of shorter object length in: c(1, 2, 4) + c(6,

0, 9, 20, 22)

The shorter vector was recycled, so the operation was taken to be as follows:

> c(1,2,4,1,2) + c(6,0,9,20,22)