**Session 1 - Introduction**

**Assignment -1**

1. Problem Statement:

* Prescriptive Analytics used to predict the future outcomes?

**Answer**: True

* Base R packages installed automatically?

**Answer**: True

1. What is Recycling of elements in a vector?

Answer: Whenever we are performing some arithmetic operation on multiple vectors of different size then R takes the shorter vector and repeats them until it matches the size of longer vector.

1. Give an example of recycling of elements.

**Answer**:

c(1,2,3,4,5,6) + c(1,2)

**Output**: > c (1,2,3,4,5,6) + c(1,2)

[1] 2 4 4 6 6 8

**Explanation**: Here the vector c(1,2) has repeated itself to form

c(1,2,1,2,1,2). Thus matching the size of vector c(1,2,3,4,5,6)

and then performed the ‘+’ operation.