**Assignment - 1.1**

1**. Say true or false for the below Statements.**

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

**Answer:** Yes, the statement “Prescriptive Analytics used to predict the future outcomes.” As prescriptive analysis attempt to quantify the effect of future decisions in order to advise on possible outcomes before the decisions are actually made. Prescriptive analytics predicts not only what will happen, but also why it will happen providing recommendations regarding actions that will take advantage of the predictions.

Prescriptive analytics predict multiple futures and allow companies to access a number of possible outcomes based upon their actions. Prescriptive analytics use a combination of techniques and tools such as business rules, algorithms, machine learning, and computational modelling procedures

* **Base R packages are installed automatically?**

**Answer:** Yes, “Base R packages are installed automatically” when we install R it will have some base packages preinstalled with the installation of R. The base packages contains all the important and frequently used like dplyr or data.table.

2. **What is recycling of elements in Vector?**

**Answer:** In R Programming language, recycling of elements is where we perform operations on two different vectors having different lengths. In it, the elements of the shorter length vector are used to complete the operations

**3. Give an Example of recycling of elements?**

**Solution: CODE:**

v1<-c(4,1,0,6)

v2<-c(2,4)

print(v1\*v2)

**OUTPUT:**

[1] 8 4 0 24