Assignment 1.1

5. Problem Statement

**Q1**. True or False

* Prescriptive analytics used to predict the future outcomes - False
* Base R packages installed automatically - True

**Q2**. What is recycling of elements in a vector?

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.

**Q3**. Give an example of recycling of elements

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

[1] 3 5 5 6 6 8

# the calculation goes like (2+1,3+2,4+1,4+2,5+1+6+2), the vector repeated itself to form c(1,2,1,2,1,2) so that it could successfully match the previous term.