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

**Session 4 – Assignment – 4.2**

1. x <- c(‘data.science.in.R’, ‘machine.learning.in.R’)

Perform the below string Operation:

Replace the period character "." within each string with another character i.e. "-" minus sign.

**Answer:** #1. x <- c('data.science.in.R', 'machine.learning.in.R')

#Perform the below string Operation:

# . Replace the period character "." within each string with another character i.e. "-" minus sign.

#sub and gsub perform replacement of the first and all matches respectively.

y<-gsub(pattern =".",replacement = "-", x,fixed=TRUE)

y

#if we use sub function, only first "." got replaced.

#using "\\." in place of "." will exclude the need to change the default value of fixed

z<-gsub(pattern = "\\.",replacement = "-", x)

z

1. x <- c('data.science.in.R','machine.learning.in.R')

Perform the below String Operation:

• Append again with “-“ minus sign character at the start of the each string and finally concatenate all the string within the vector to form a final single string and assigning it the object.

**Answer:** x1<-paste("-",x,collapse = "")

x1

paste(x[-1],x)