Data Analytics

Session 4 – Foundational R Programming - II

**Assignment – 4.2**

**1). Introduction**

This assignment will help you to understand the key concepts learnt in this session.

**2). Objective**

This assignment will test your skills on foundational R programming – Writing Function.

**3). Prerequisite**

Not Applicable

**4). Associated Data Files**

Not Applicable

**5). Problem Statement**

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.

Ans.

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

x1=c("data.science.in.R")

x2=c("machine.learning.in.R")

x1

x2

gsub(pattern ="data.science.in.R", replacement ="data-science-in-R",x1,ignore.case = FALSE)

gsub(pattern ="machine.learning.in.R", replacement ="machine-learning-in-R",x2,ignore.case = FALSE)

x1x2=c(gsub(pattern ="data.science.in.R", replacement ="data-science-in-R",x1,ignore.case = FALSE),

gsub(pattern ="machine.learning.in.R", replacement ="machine-learning-in-R",x2,ignore.case = FALSE))

x1x2

2. 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.

Ans.

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

x3=c("data.science.in.R")

x4=c("machine.learning.in.R")

x3

x4

gsub(pattern ="data.science.in.R", replacement ="-data.science.in.R",x3,ignore.case = FALSE)

gsub(pattern ="machine.learning.in.R", replacement ="-machine.learning.in.R",x4,ignore.case = FALSE)

x3x4=c(gsub(pattern ="data.science.in.R", replacement ="-data.science.in.R",x3,ignore.case = FALSE),

gsub(pattern ="machine.learning.in.R", replacement ="-machine.learning.in.R",x4,ignore.case = FALSE))

x3x4

**6). Expected Output**

Not Applicable