

Session 5

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Data

Management using R

Assignment

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**Introduction**

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

# Objective

This assignment will test your skills on Data Management Functions in R.

# Prerequisites

Not Applicable

# Associated Data Files

Not Applicable

# Problem Statement

1. How many vowels are there in the names of USA States?

Ans- # vector of vowels

vowels = c("a", "e", "i", "o", "u")

# vector for storing results num\_vowels = vector(mode = "integer", length = 5) # calculate number of vowels in each name for (j in seq\_along(vowels)) { num\_aux = str\_count(tolower(states), vowels[j]) num\_vowels[j] = sum(num\_aux) }

# add vowel names names(num\_vowels) = vowels

# total number of vowels num\_vowels

A e i o u

61 28 44 36 8

1. Visualize the vowels distribution.

barplot(num\_vowels, main = "Number of vowels in USA States names", border = NA, ylim = c(0, 80))

# Expected Output

Not Applicable

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