Session-4-Assignment-3

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# Q1. How many vowels are there in the names of USA States?

library(stringr)

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

num\_vowels = vector(mode = "integer", length = 5)

for (j in seq\_along(vowels))

{

num\_aux = str\_count(tolower(states), vowels[j])

num\_vowels[j] = sum(num\_aux)

}

names(num\_vowels) = vowels

num\_vowels.  
a e i o u

61 28 44 36 8

# Q2. Visualize the vowels distribution.

library(stringr)

A <- str\_count(tolower(States), "a")

E <- str\_count(tolower(States), "e")

I <- str\_count(tolower(States), "i")

O <- str\_count(tolower(States), "o")

U <- str\_count(tolower(States), "u")

hist(A, col = "indianred3", main = "States with numbers of a's in it")

hist(E, col = "orange2", main = "States with numbers of e's in it")

hist(I, col = "aquamarine3", main = "States with numbers of i's in it")

hist(O, col = "azure4", main = "States with numbers of o's in it")

hist(U, col = "bisque", main = "States with numbers of u's in it")









