**SESSION 5- ASSIGNMENT 1**

1. **How many vowels are there in the names of USA States?**
2. > library(stringr)
3. >
4. > str\_count(tolower(states), "a")
5. [1] 4 3 2 3 2 1 0 2 1 1 2 1 0 2 1 2 0 2 1 2 2 1 1 0 0 2 2 2 1 0 0 0 2 2 0 2 0 2 1 2 2 0
6. [43] 1 1 0 1 1 1 0 0
7. >
8. > for (j in seq\_along(vowels)) {
9. + num\_aux = str\_count(tolower(states), vowels[j])
10. + num\_vowels[j] = sum(num\_aux)
11. + }
12. > names(num\_vowels) = vowels
13. > num\_vowels
14. a e i o u
15. 61 28 44 36 8

**2. Visualize the vowels distribution.**

> barplot(num\_vowels, main = "Number of vowels in USA States names",

+ border = NA, ylim = c(0, 80))

