**[Assignment\_2.](https://github.com/ravirajrc3/Assignment_1.1)5**

1. States = rownames(US Arrests)

Get states names with ‘w’.

Get states names with ‘W’.

states=rownames(USArrests)

# get states names with 'w'

grep(pattern = "w", x = states, value = TRUE)

# get states names with 'W'

grep(pattern = "W", x = states, value = TRUE)

|  |
| --- |
| > grep(pattern = "w", x = states, value = TRUE)  [1] "Delaware" "Hawaii" "Iowa" "New Hampshire" "New Jersey"  [6] "New Mexico" "New York"  > # get states names with 'W'  > grep(pattern = "W", x = states, value = TRUE)  [1] "Washington" "West Virginia" "Wisconsin" "Wyoming" |
|  |
| |  | | --- | |  | |

2. Prepare a Histogram of the number of characters in each US state.

hist(nchar(states), main = "Histogram",

xlab = "number of characters in US State names")