1. States = rownames(US Arrests)

Get states names with ‘w’.

Get states names with ‘W’.

Ans:

|  |
| --- |
| > States = rownames(USArrests)  > lower\_states = grep("w",States,value = TRUE)  > upper\_states = grep("W",States,value = TRUE)  > lower\_states  [1] "Delaware" "Hawaii" "Iowa" "New Hampshire" "New Jersey"  [6] "New Mexico" "New York"  > upper\_states  [1] "Washington" "West Virginia" "Wisconsin" "Wyoming" |
|  |

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

Ans:

nchars\_hist = nchar(States)

nchars\_hist

hist(nchars\_hist,

main="Hostogram for number of chars in State names",

xlab = "nchars states",

border = "blue",

col = "green",

xlim = c(10,7),

las = 1,

breaks = 5)

