

1. states=rownames(USArrests)

- Get states names with 'w'.

```
> states=rownames(USArrests)
>
> grep("w",rownames(USArrests))
[1] 8 11 15 29 30 31 32
> x<-grep("w",states)
>
> for (i in 1:length(x)){
+   print(states[x[i]])
+ }
[1] "Delaware"
[1] "Hawaii"
[1] "Iowa"
[1] "New Hampshire"
[1] "New Jersey"
[1] "New Mexico"
[1] "New York"
```

- Get states names with 'W'.

```
> states=rownames(USArrests)
>
> grep("W",rownames(USArrests))
[1] 47 48 49 50
> x<-grep("W",states)
>
> for (i in 1:length(x)){
+   print(states[x[i]])
+ }
[1] "Washington"
[1] "West Virginia"
[1] "Wisconsin"
[1] "Wyoming"
```

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

Histogram of answer[2:51]

