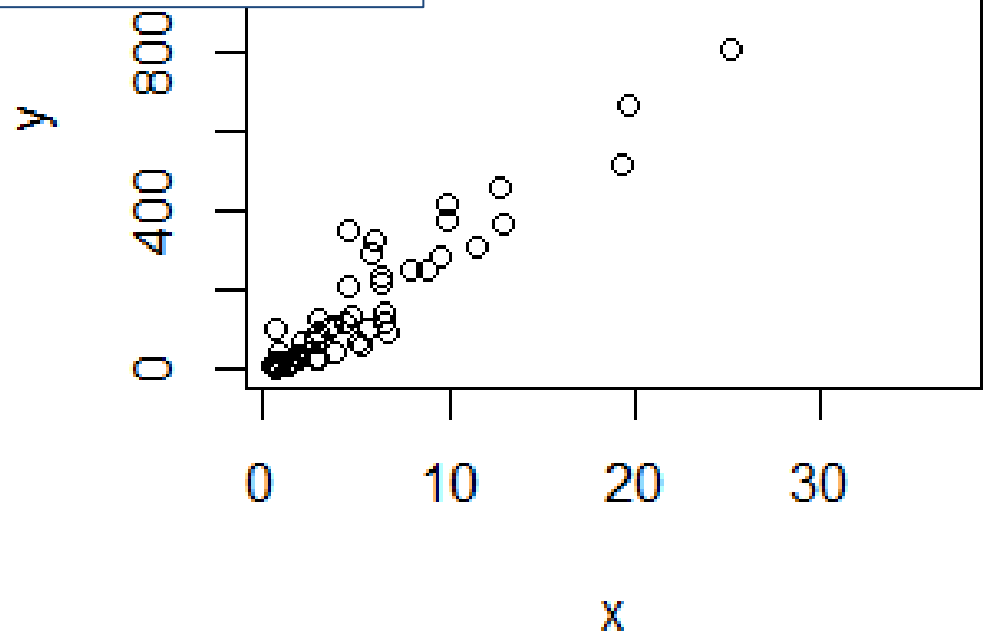


Sección 3.3 - Gráficos

Diagramas de dispersión

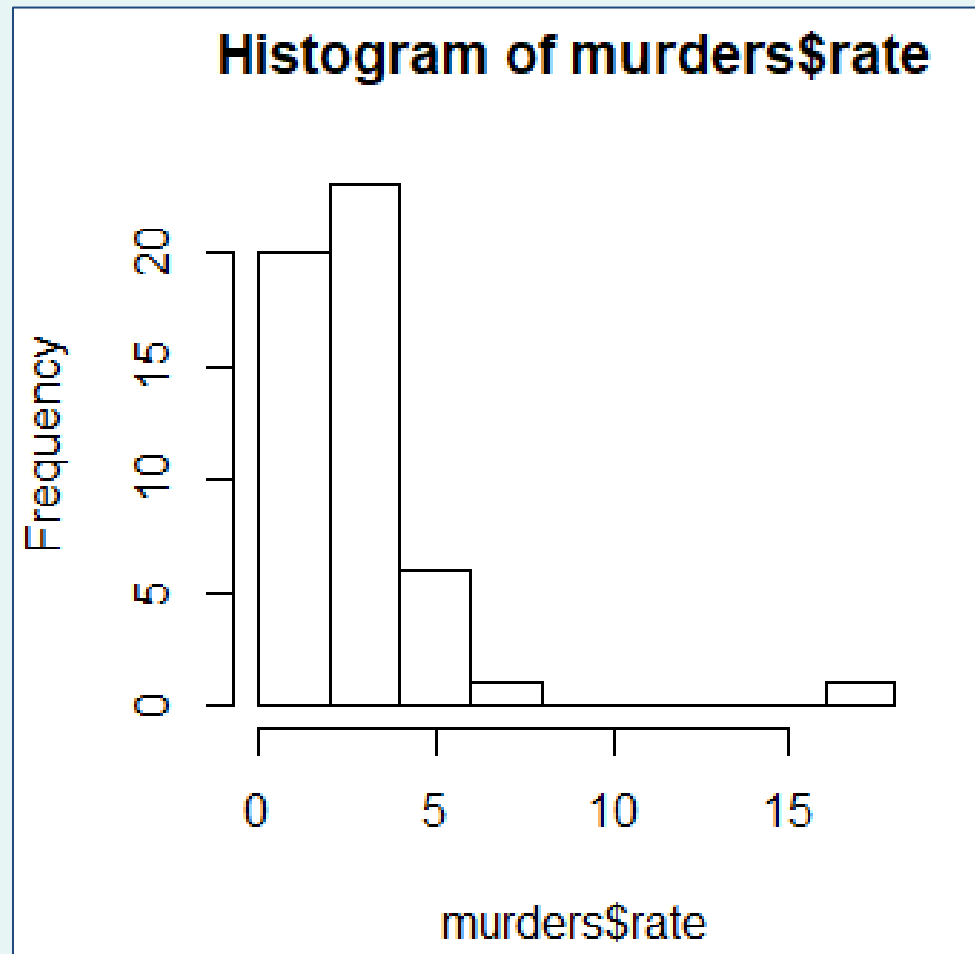
```
library(dplyr)
library(dslabs)
data("murders")
```

```
x <- murders$population / 10^6
y <- murders$total
plot(x, y)
```

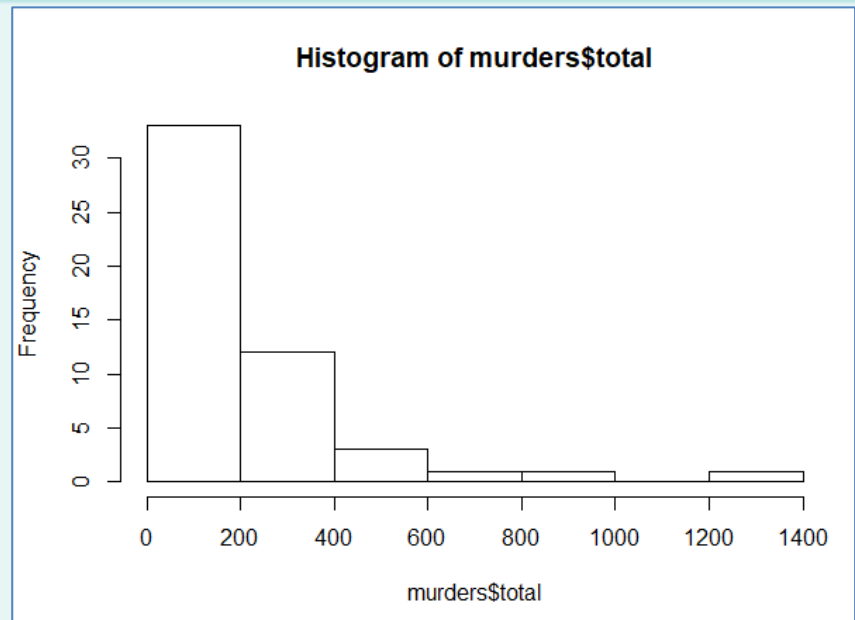


Histograma

```
murders <- mutate(murders, rate = total / population * 100000)  
hist(murders$rate)
```



```
hist(murders$total)
```



```
hist(murders$total,  
      main="Histograma del total de  
      asesinatos en USA",  
      xlab="Total asesinatos",  
      border="blue",  
      col="green",  
      xlim=c(100,700),  
      las=1,  
      breaks=5)
```

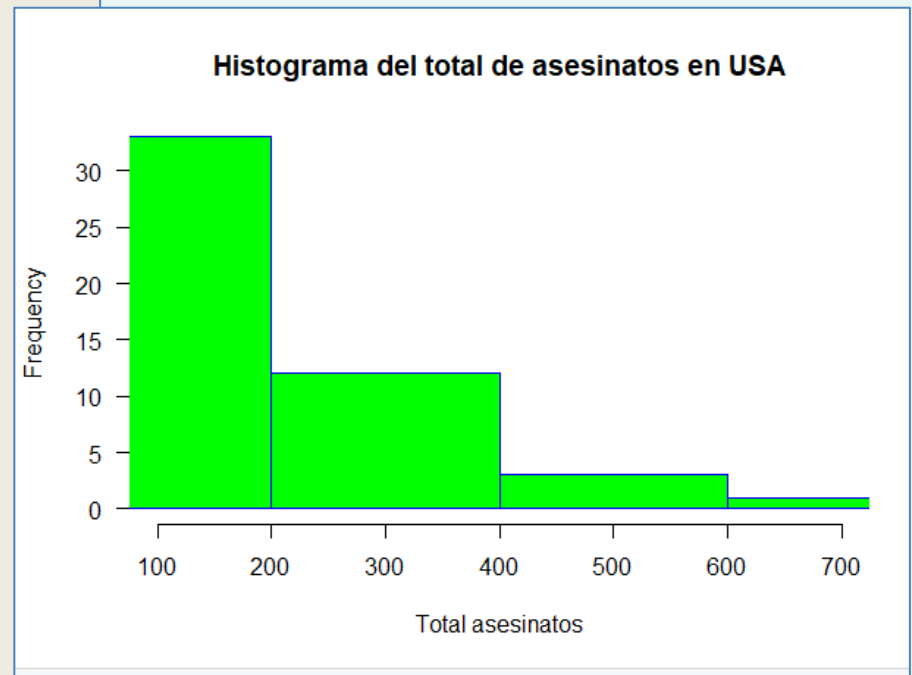
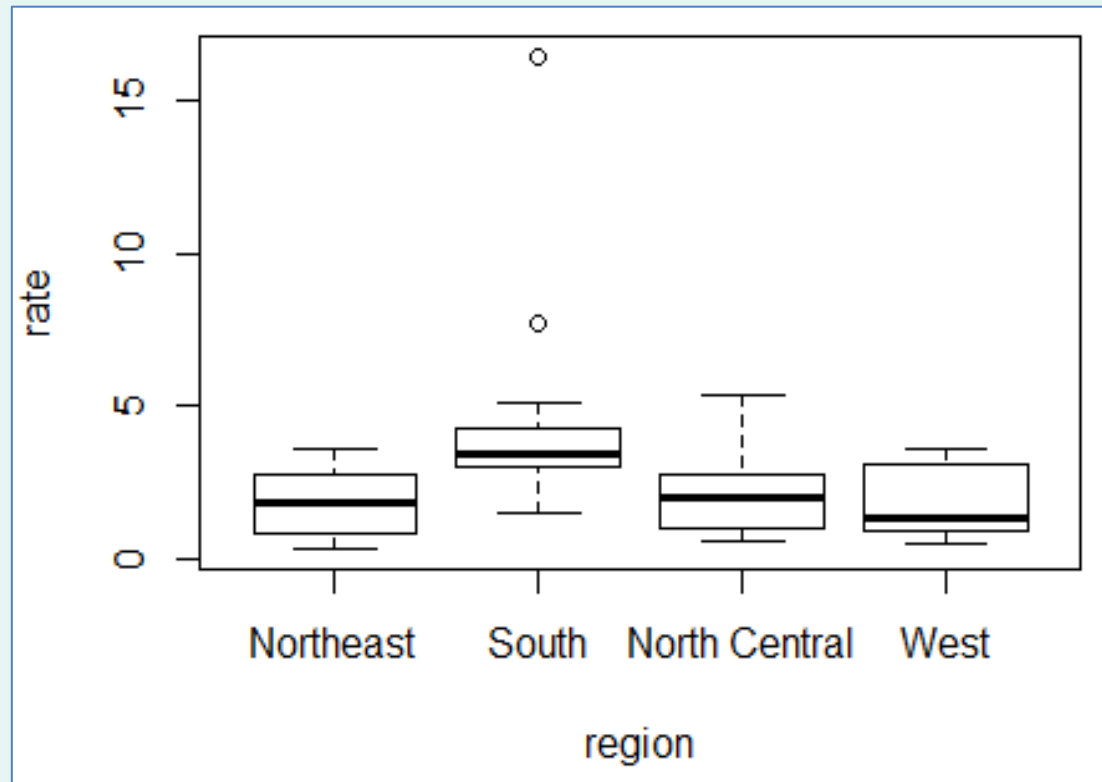
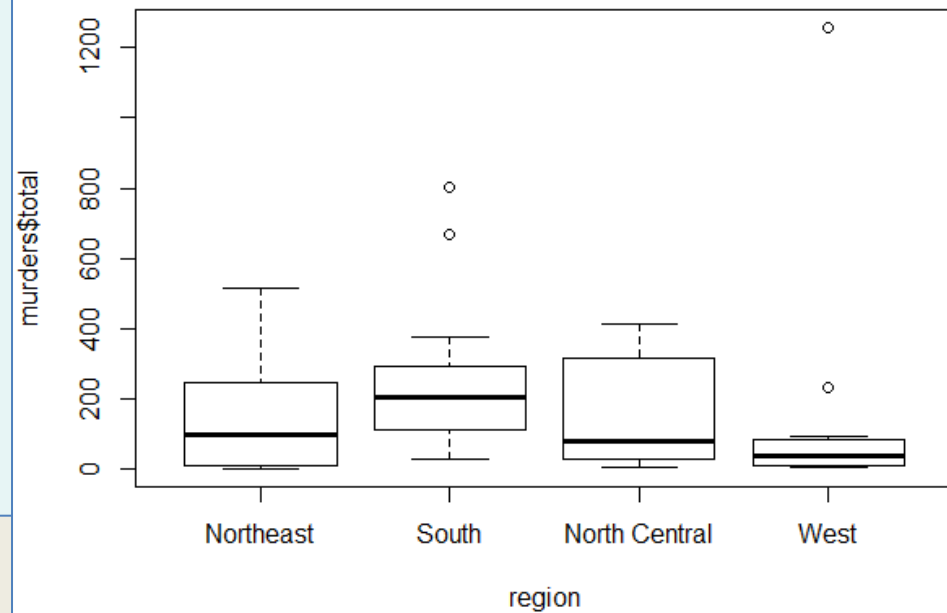


Diagrama de cuadros

```
boxplot(rate~region, data = murders)
```



```
boxplot(murders$total~region,  
data=murders)
```



```
boxplot(murders$total~region,  
data=murders,  
names=c('Noreste','Sur','Centro  
Norte','Oeste'),  
col=c("red","blue","green","yellow"),  
xlab="Regiones",  
ylab="Total de asesinatos")
```

