

## Lab-2.R

USUARIO

2024-05-30

```
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# 08/05/2024

# Ingresar datos directo en la consola -----

library(readr)

file <- paste0 ("https://raw.githubusercontent.com/mgtagle/202_Analisis_Estadistico_2020/02680a60a88f56")
inventario <- read.csv(file)

# Seleccion de datos -----

### ALTURA
H.media <- subset(inventario, Altura <= mean(Altura))
H.16 <- subset(inventario, Altura < 16.5)

### VECINOS
V.3 <- subset(inventario, Vecinos <= 3)
V.4 <- subset(inventario, Vecinos > 4)

### DIAMETRO
Dm <- subset(inventario, Diametro < mean(Diametro))
D16 <- subset(inventario, Diametro > 16)

### ESPECIE
CR <- subset(inventario, Especie == "C")
TH <- subset(inventario, Especie == "H")
DV <- subset(inventario, Especie == "F")

# Observaciones -----

### DIAMETRO <= 16.9 cm
d16.9 <- subset(inventario, Diametro <= 16.9)
## d16.9 = 31 observaciones

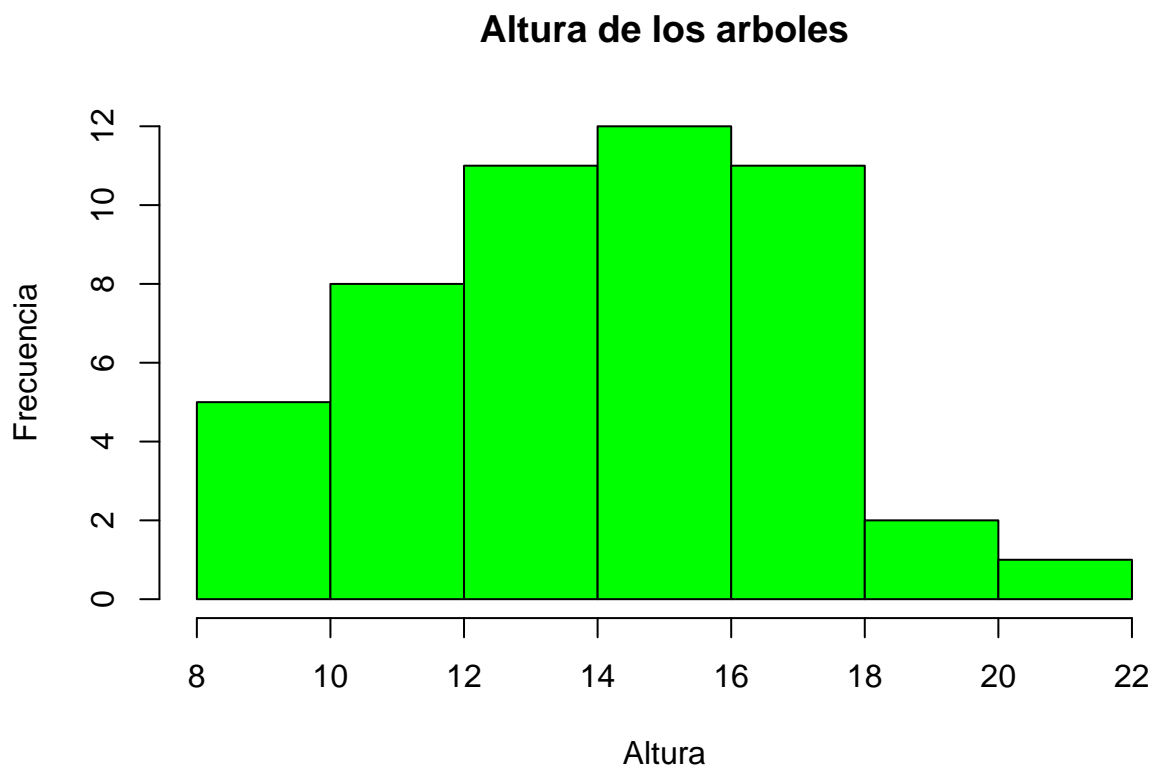
### ALTURA > 18.5 m
a18.5 <- subset(inventario, Altura > 18.5)
```

```
## a18.5 = 2 observaciones
```

```
# Visualizacion datos -----
```

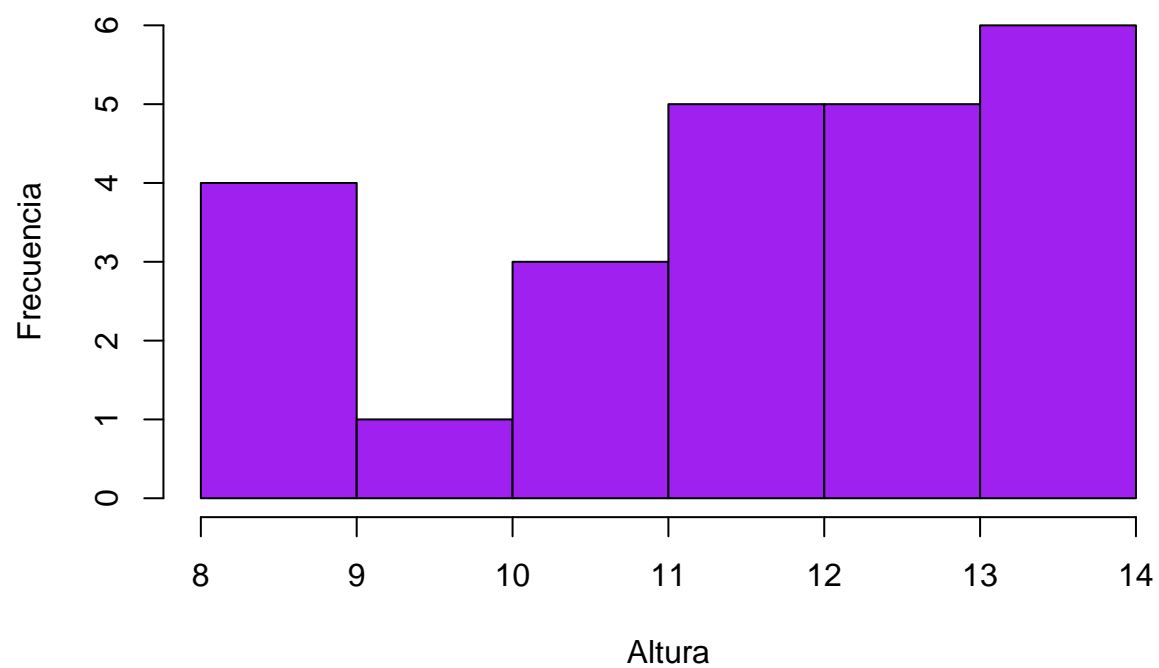
```
### ALTURAS
```

```
hist(inventario$Altura,  
      ylab = "Frecuencia",  
      xlab = "Altura",  
      main = "Altura de los arboles",  
      col = "green")
```



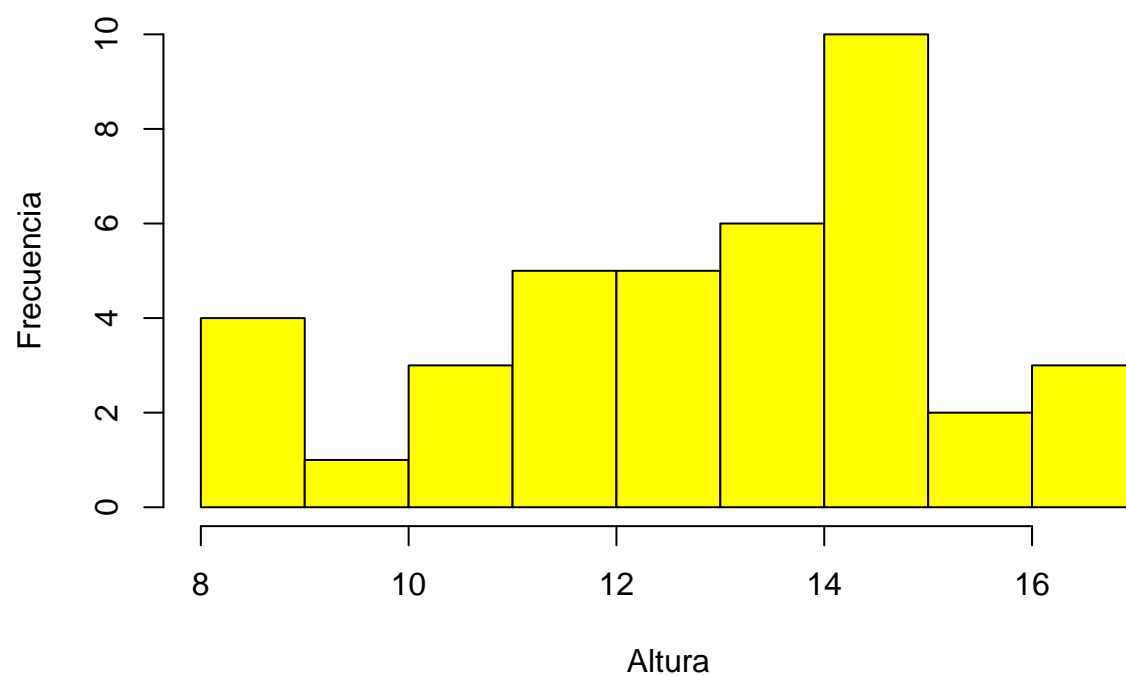
```
hist(H.media$Altura,  
      ylab = "Frecuencia",  
      xlab = "Altura",  
      main = "Altura media",  
      col = "purple")
```

### Altura media



```
hist(H.16$Altura,  
      ylab = "Frecuencia",  
      xlab = "Altura",  
      main = "Altura menor a 16.5 m",  
      col = "yellow")
```

### Altura menor a 16.5 m



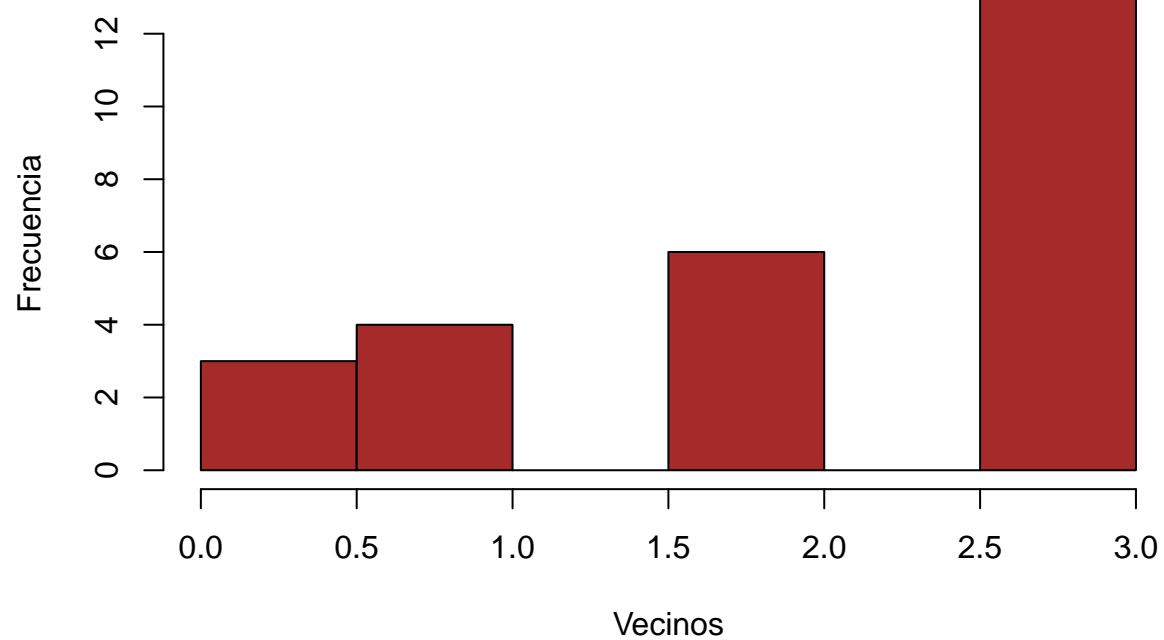
```
### VECINOS
```

```
hist(inventario$Vecinos,  
      ylab = "Frecuencia",  
      xlab = "Vecinos",  
      main = "Vecinos cercanos",  
      col = "pink")
```



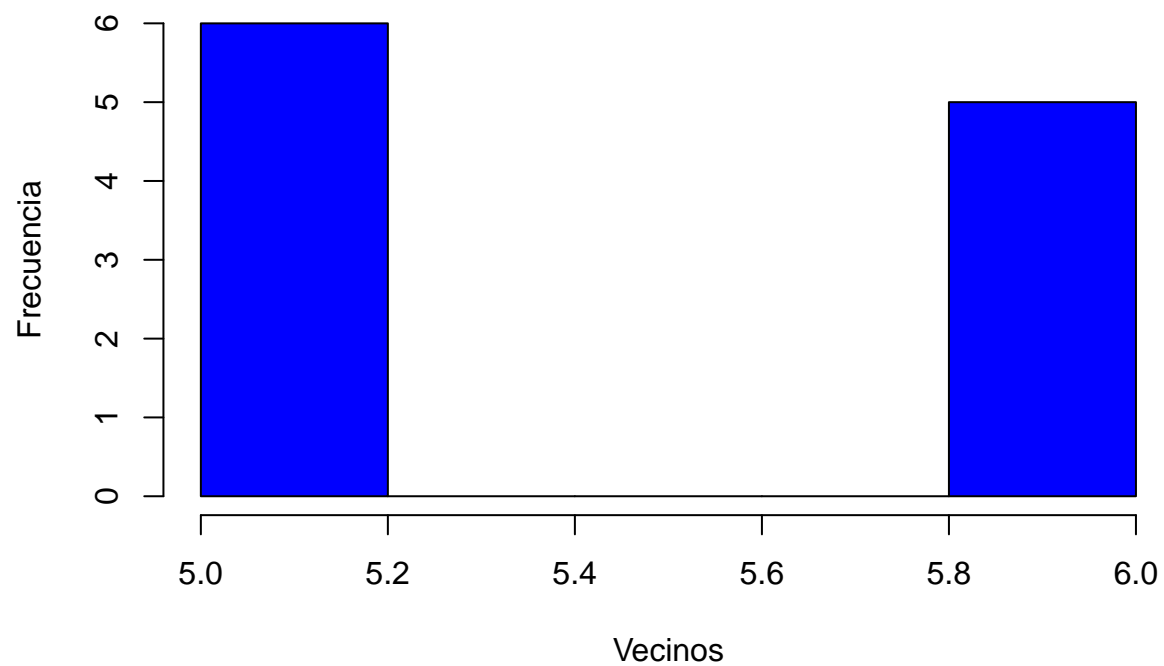
```
hist(V.3$Vecinos,  
      ylab = "Frecuencia",  
      xlab = "Vecinos",  
      main = "Vecinos <3",  
      col = "brown",  
      xlim = c(0,3))
```

### Vecinos <3



```
hist(V.4$Vecinos,  
      ylab = "Frecuencia",  
      xlab = "Vecinos",  
      main = "Vecinos >4",  
      col = "blue",  
      xlim = c(5,6))
```

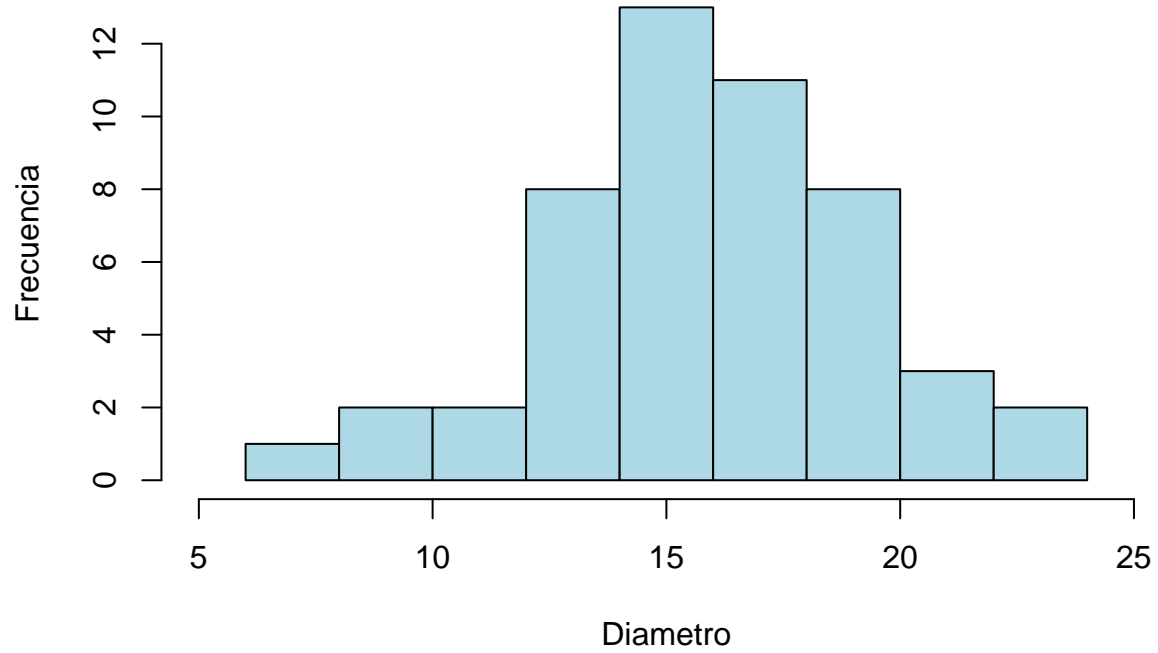
### Vecinos >4



```
### DIAMETRO
```

```
hist(inventario$Diametro,  
      ylab = "Frecuencia",  
      xlab = "Diametro",  
      main = "Diametro de los arboles",  
      col = "lightblue",  
      xlim = c(5,25))
```

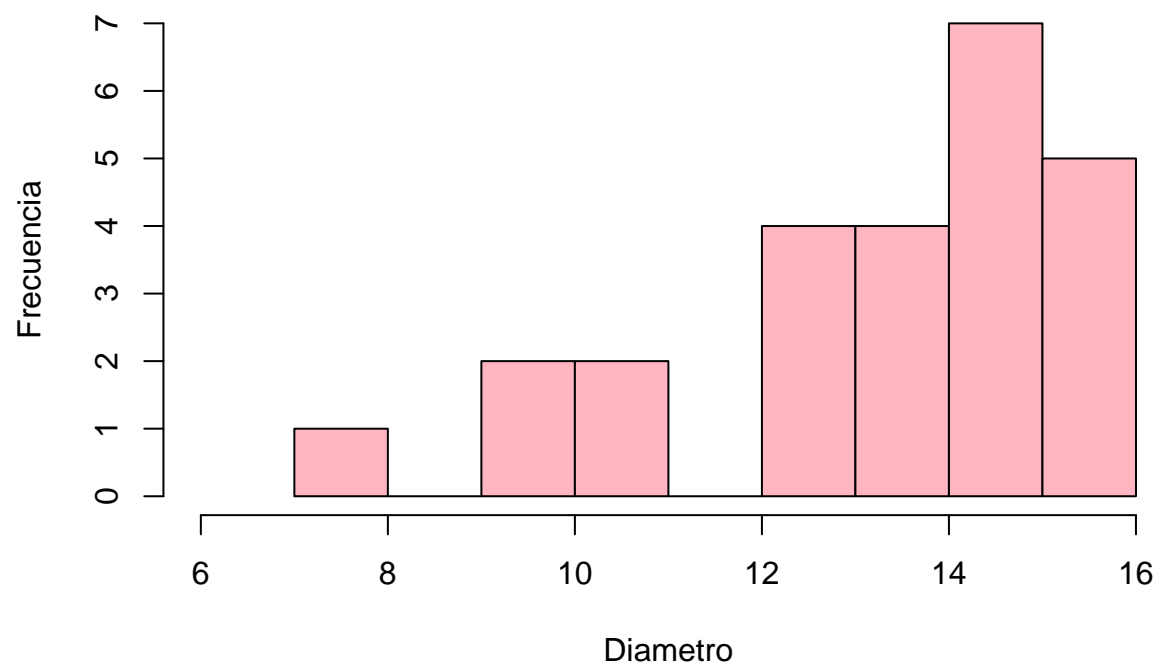
## Diametro de los arboles



```
hist(Dm$Diametro,  
      ylab = "Frecuencia",  
      xlab = "Diametro",  
      main = "Diametro media",  
      col = "lightpink",  
      xlim = c(6,16))
```



## Diametro media



```
hist(D16$Diametro,  
      ylab = "Frecuencia",  
      xlab = "Diametro",  
      main = "Diametros mayor a 16",  
      col = "lightgreen")
```

