MÉTODOS ESTADÍSTICOS

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LABORATORIO 3

30/08/2024

Lab-3.R

Usuario

2024-08-30

```
#Laboratorio semana 3
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#30/08/2024

Cuadro_1 <- read.csv
("C:\\Repositorios\\Met_Est_2024\\Laboratorios\\Cuadro_1.csv")

#Selección de datos
H.media <- which(Cuadro_1$Altura<=mean(Cuadro_1$Altura))
H.media
```

```
##  [1]  4  5 14 15 16 20 21 22 26 27 30 31 32 35 38 39 40 41 43 44 45 46
47 48
```

```
H.16 <- which(Cuadro_1$Altura<= mean(Cuadro_1$Altura))
H.16
```

```
##  [1]  4  5 14 15 16 20 21 22 26 27 30 31 32 35 38 39 40 41 43 44 45 46
47 48
```

```
#Vecinos
Vecinos.3 <- which(Cuadro_1$Vecinos<=mean(Cuadro_1$Vecinos))
Vecinos.3
```

```
##  [1]  2  6  7  8 11 13 14 16 17 18 20 23 25 27 28 29 30 31 36 37 38 41
42 46 49
## [26] 50
```

```
vecinos.4 <- which(Cuadro_1$Vecinos<=mean(Cuadro_1$Vecinos))
vecinos.4
```

```
##  [1]  2  6  7  8 11 13 14 16 17 18 20 23 25 27 28 29 30 31 36 37 38 41
42 46 49
## [26] 50
```

```
#Diametro
mean(Cuadro_1$Diametro)
```

```
## [1] 15.794
```

```
DBH.media <- which(Cuadro_1$Diametro<mean(Cuadro_1$Diametro))
DBH.media
```

```
##  [1]  1  4  5  6 11 12 16 19 21 24 28 31 32 33 34 35 39 40 41 42 44 45
46 47 48
```

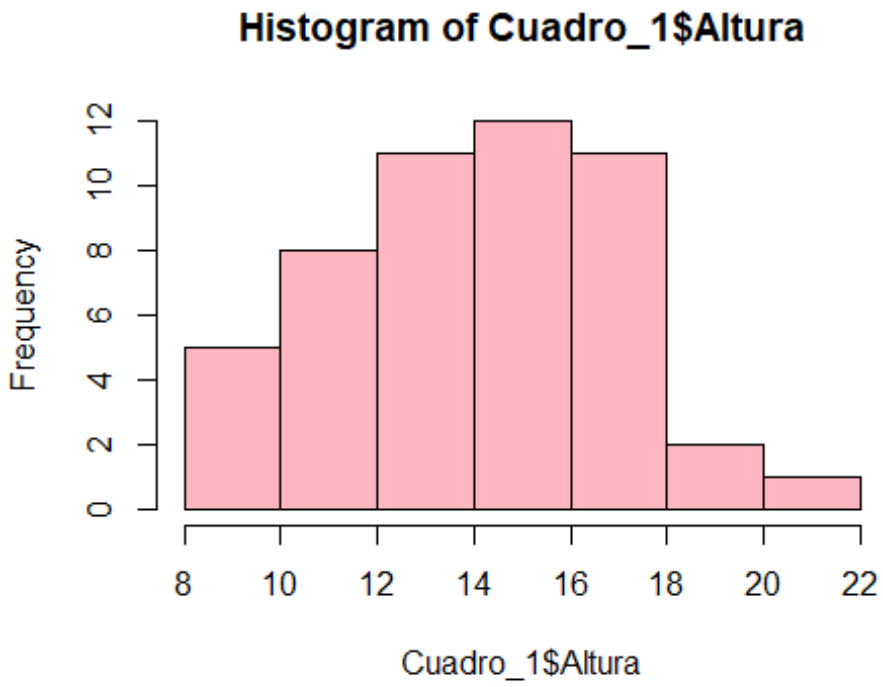
```
DBH.16 <- which(Cuadro_1$Diametro>16)
DBH.16
```

```
##  [1]  2  3  7  8  9 10 13 14 15 17 18 20 22 23 25 27 29 30 36 37 38 43
49 50
```

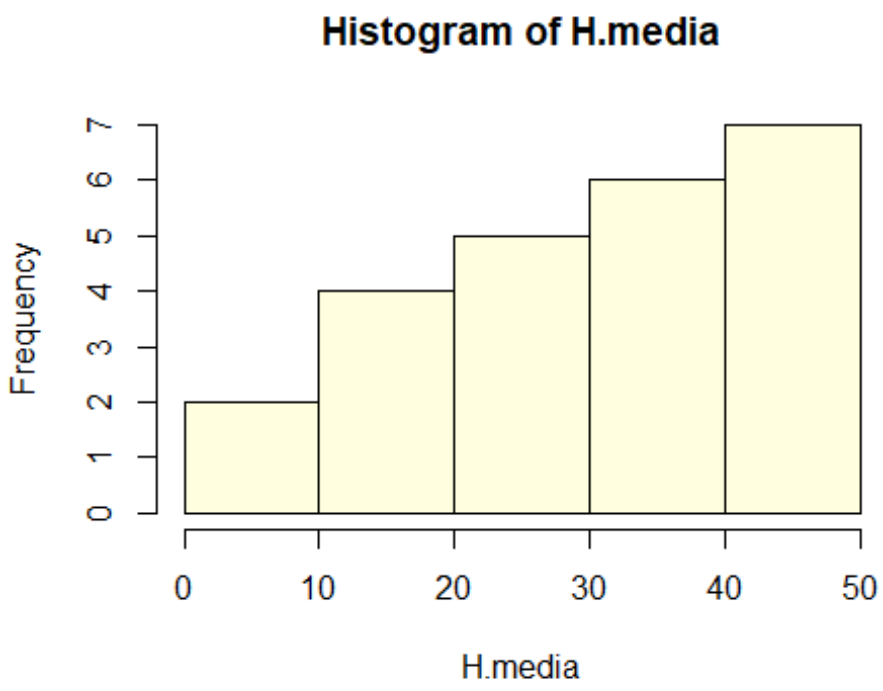
```
DBH.16 <- which(Cuadro_1$Diametro>16)
DBH.16
```

```
##  [1]  2  3  7  8  9 10 13 14 15 17 18 20 22 23 25 27 29 30 36 37 38 43
49 50
```

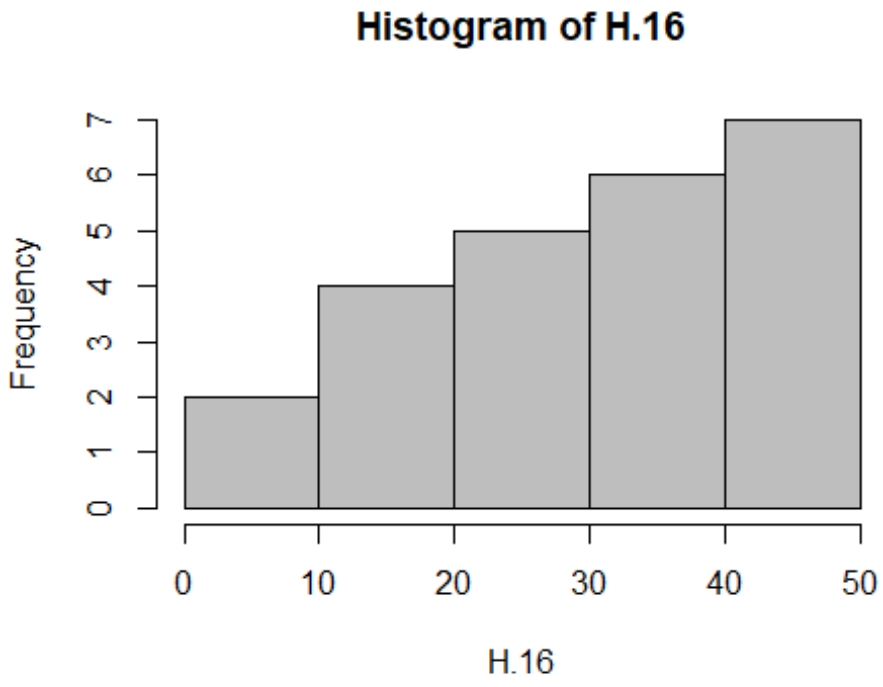
```
#Histogramas
hist(Cuadro_1$Altura, col = "lightpink")
```



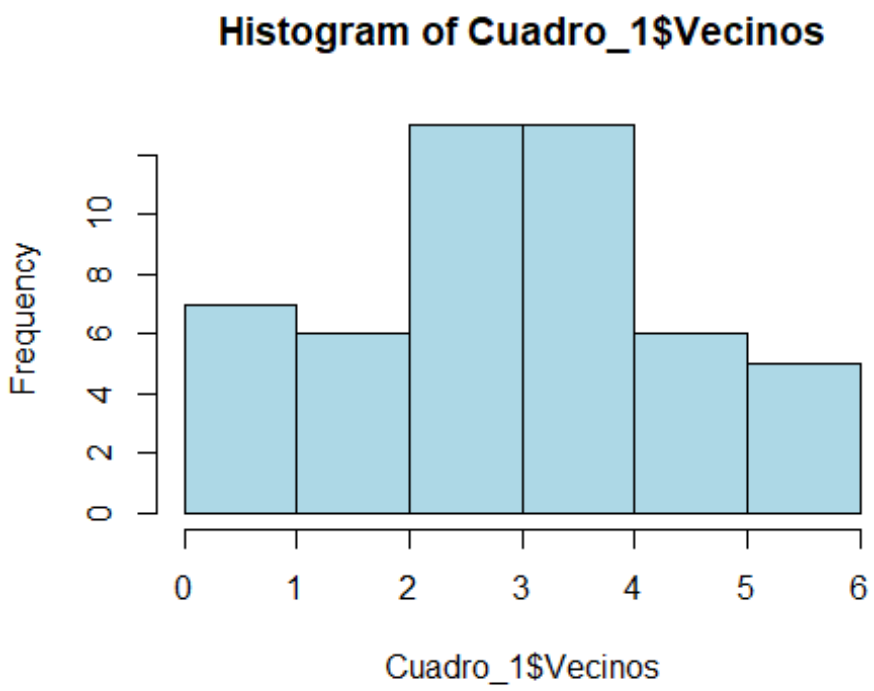

```
hist(H.media, col = "lightyellow")
```



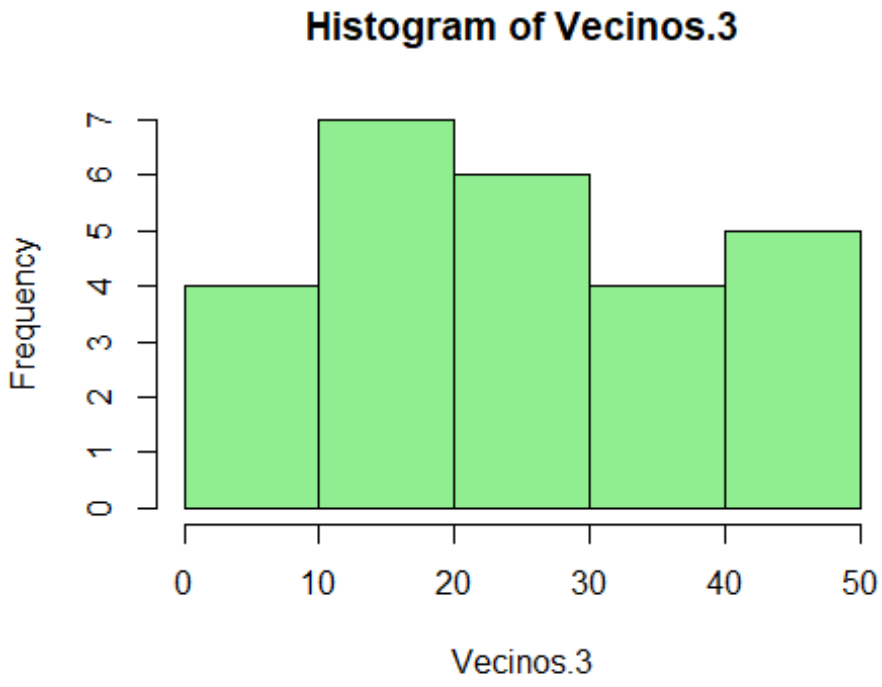

```
hist(H.16, col = "gray")
```



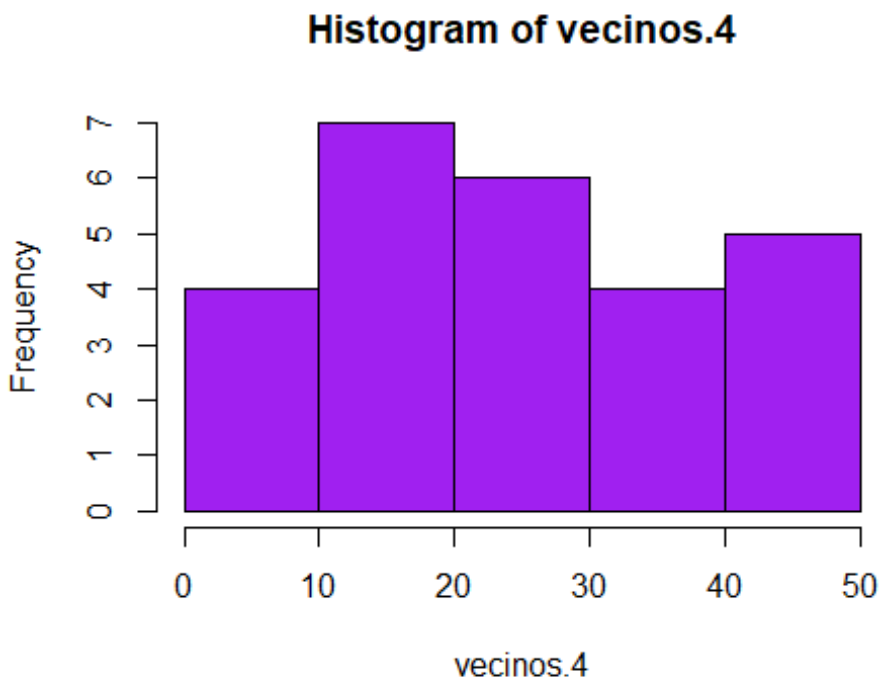

```
hist(Cuadro_1$Vecinos, col = "lightblue")
```



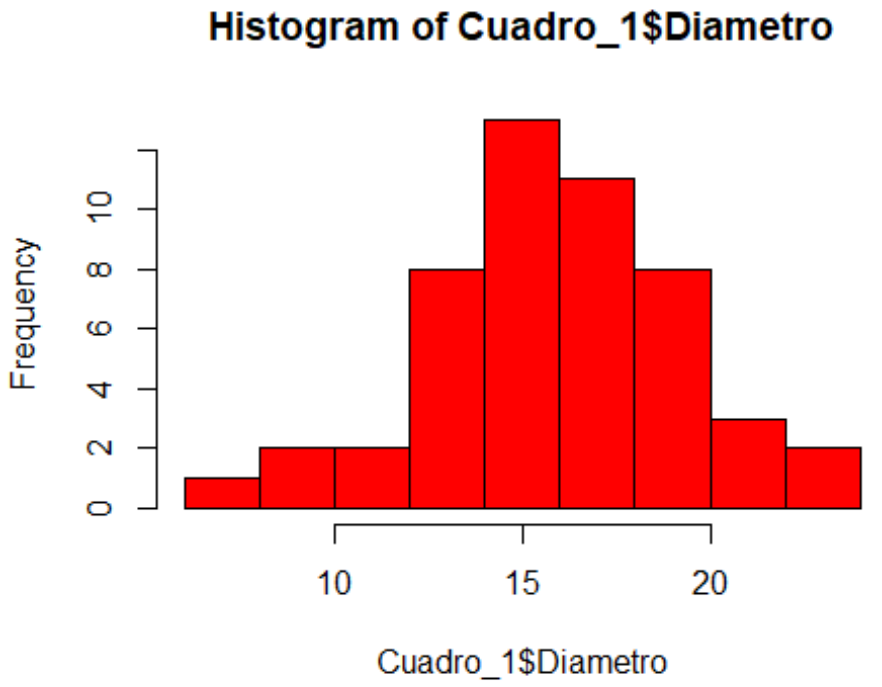

```
hist(Vecinos.3, col = "lightgreen")
```



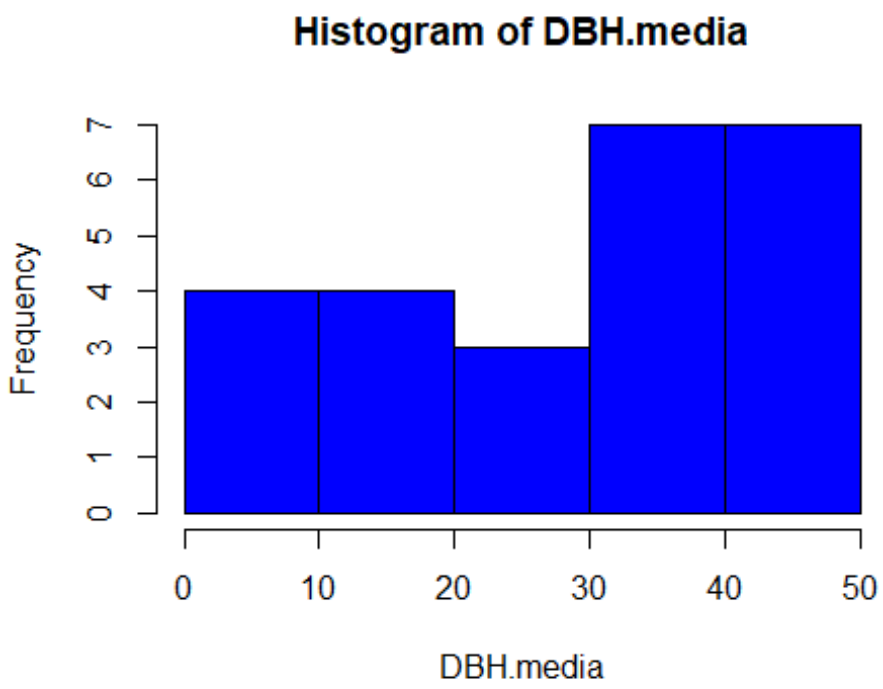

```
hist(vecinos.4, col = "purple")
```



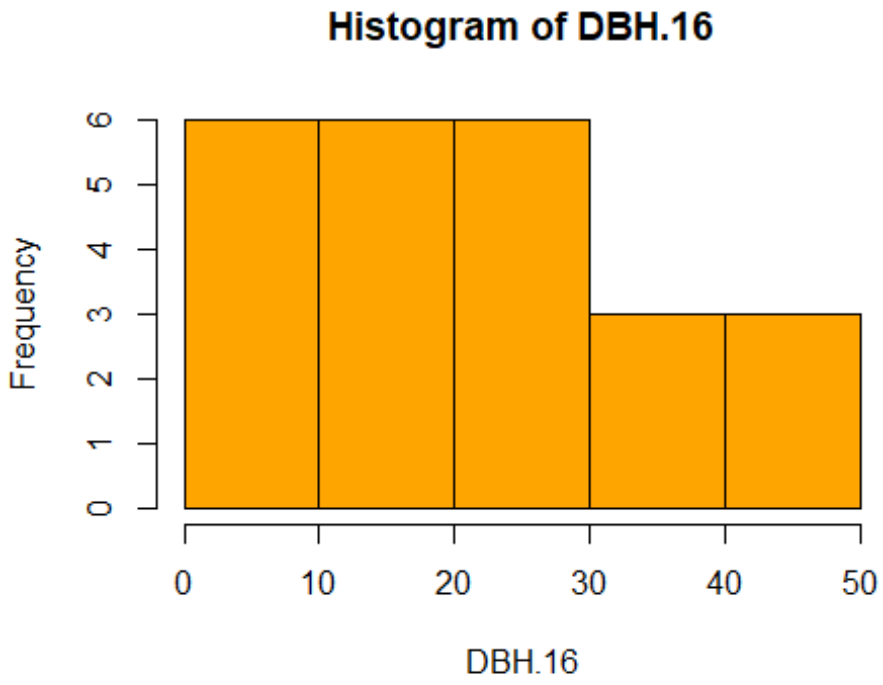

```r
hist(Cuadro_1$Diametro, col = "red")
```




```r
hist(DBH.media, col = "blue")
```




```
hist(DBH.16, col = "orange")
```




```
#Determinar la media
mean(Cuadro_1$Altura)
```

```
## [1] 13.9432
mean(H.media)
## [1] 30.375
mean(H.16)
## [1] 30.375
mean(Cuadro_1$Vecinos)
## [1] 3.34
mean(Vecinos.3)
## [1] 25.53846
mean(vecinos.4)
## [1] 25.53846
mean(Cuadro_1$Diametro)
## [1] 15.794
mean(DBH.media)
## [1] 28.16
mean(DBH.16)
## [1] 22.70833
```