HW_02.R

Administrador

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```r
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library(readr) # Llamar la biblioteca

file <-
paste0("https://raw.githubusercontent.com/mgtagle/202_Analisis_Estadistico_20
20/master/cuadro1.csv")

inventario <- read_csv(file)
```

```
## `curl` package not installed, falling back to using `url()`
## Rows: 50 Columns: 7
## ── Column specification
────────────────────────────────────────────────────────
## Delimiter: ","
## chr (2): Especie, Clase
## dbl (5): Arbol, Fecha, Vecinos, Diametro, Altura
##
## ℹ Use `spec()` to retrieve the full column specification for this data.
## ℹ Specify the column types or set `show_col_types = FALSE` to quiet this
message.
```

```r
# Subset Altura ------------------------------------------------------------

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


# Subset Vecinos -----------------------------------------------------------

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


# Subset Diametro ----------------------------------------------------------

DBH.media <- subset(inventario, Diametro <= mean(Diametro))
```

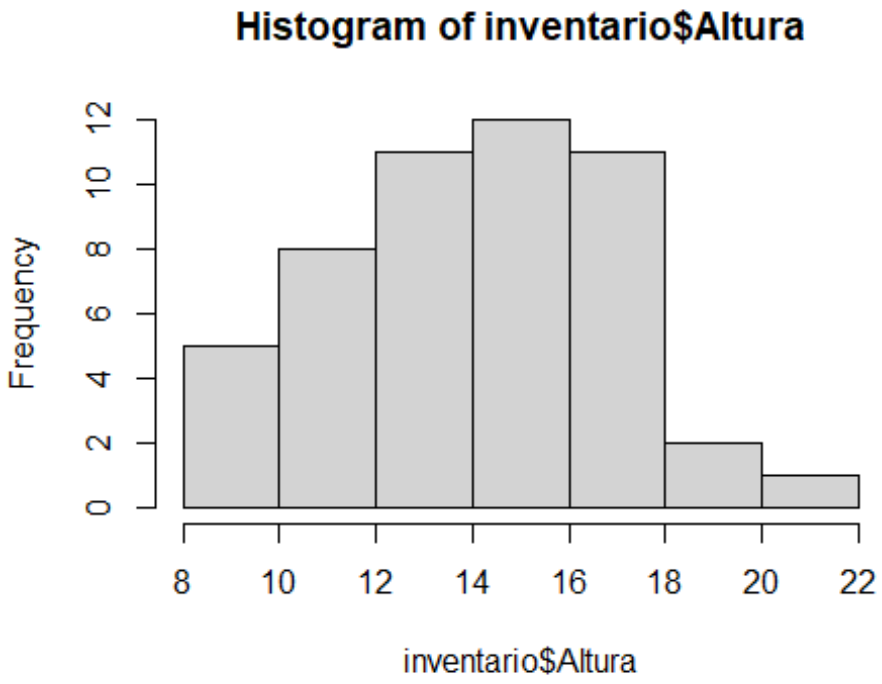
```r
DBH.16 <- subset(inventario, Diametro > 16)


# Especie -----------------------------------------------------------------

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


subset(inventario, Diametro <= 16.9)
```

```
## # A tibble: 31 × 7
##    Arbol Fecha Especie Clase Vecinos Diametro Altura
##    <dbl> <dbl> <chr>   <chr>   <dbl>    <dbl>  <dbl>
##  1     1    12 F       C           4     15.3  14.8
##  2     4     9 H       S           4      9.7   8.79
##  3     5     7 H       I           6     10.8  10.2
##  4     6    10 C       I           3     14.1  14.9
##  5    10    14 F       I           5     16.1  14.7
##  6    11     8 H       D           3     14.2  17.4
##  7    12     5 H       D           6     14.8  17.4
##  8    14     5 C       I           2     16.7  13.4
##  9    16    20 H       S           3     12.4  11.5
## 10    19    15 C       C           4     15.1  17.8
## # ℹ 21 more rows
```

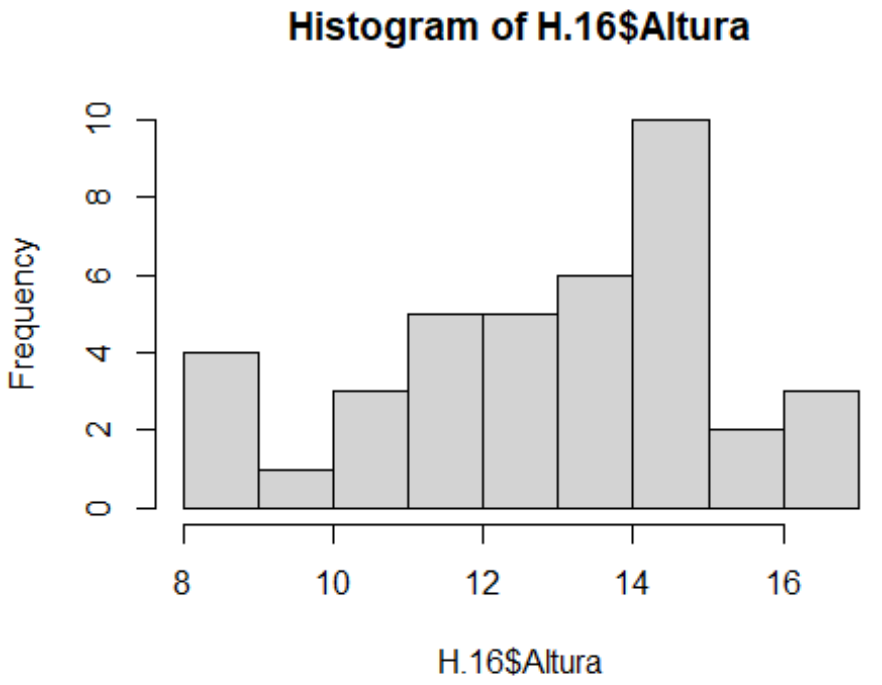
```r
subset(inventario, Altura > 18.5)
```

```
## # A tibble: 2 × 7
##   Arbol Fecha Especie Clase Vecinos Diametro Altura
##   <dbl> <dbl> <chr>   <chr>   <dbl>    <dbl>  <dbl>
## 1    18    20 F       D           1     22.7   21.5
## 2    23    14 F       D           1     18.5   18.7
```

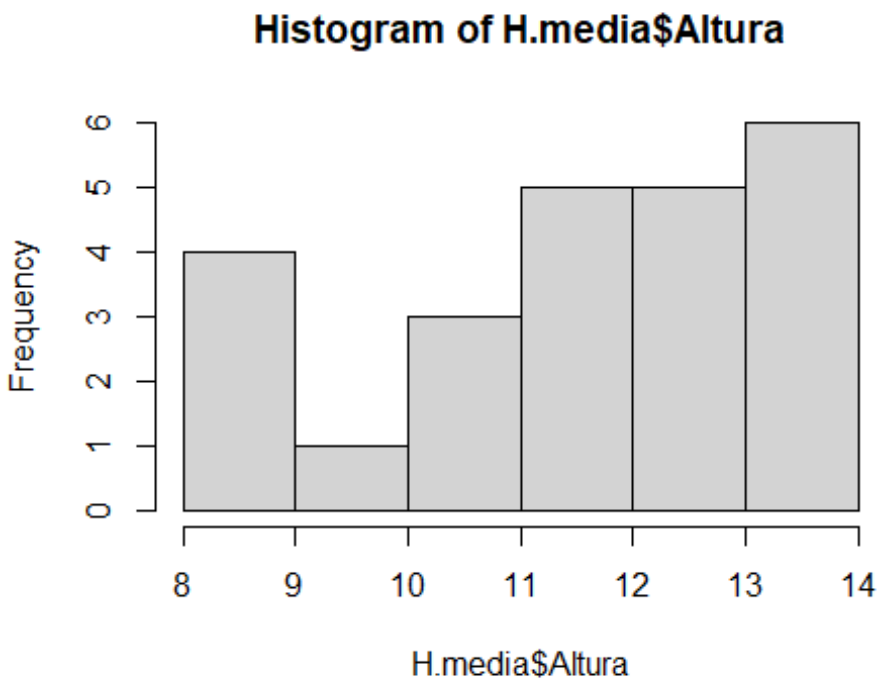
```r
# Histogramas -------------------------------------------------------------

hist(inventario$Altura)
```



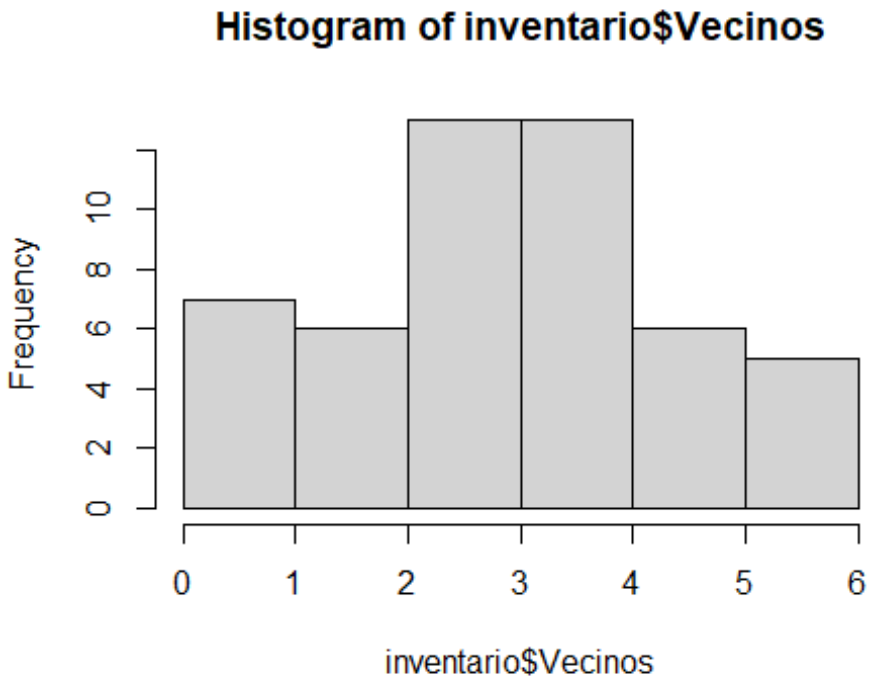

```r
hist(H.16$Altura)
```



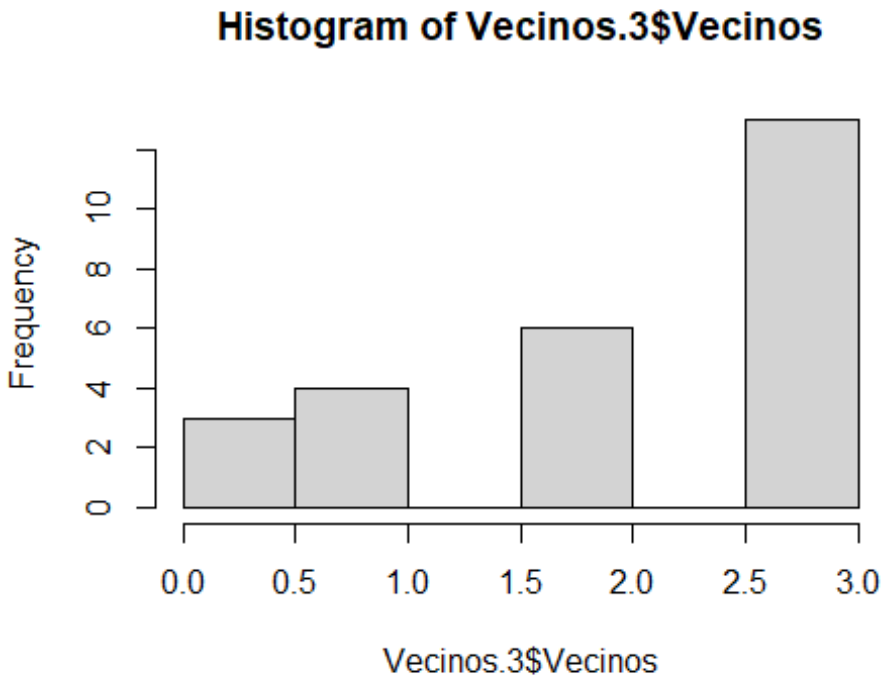

```r
hist(H.media$Altura)
```



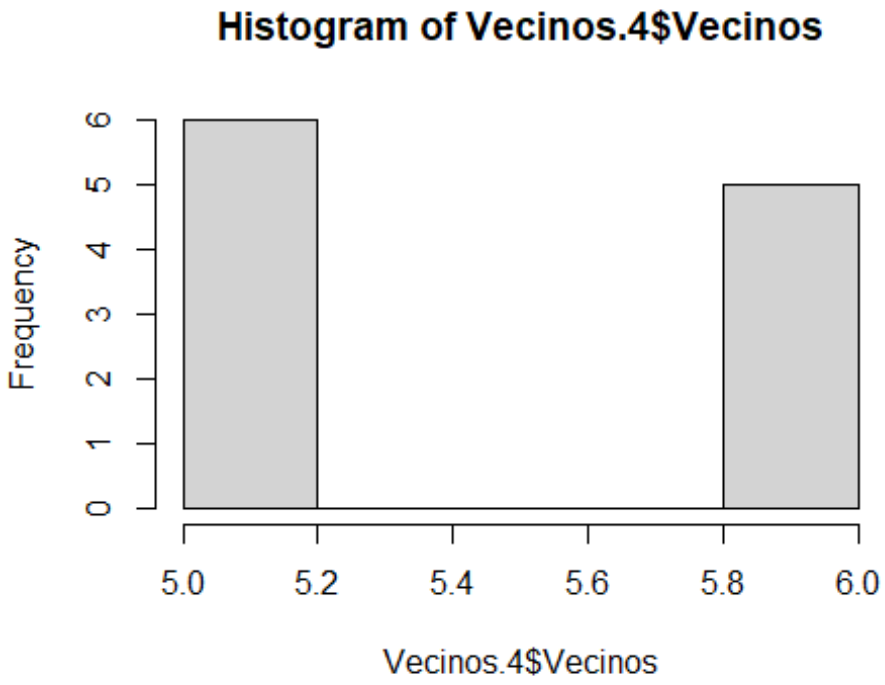

```r
hist(inventario$Vecinos)
```



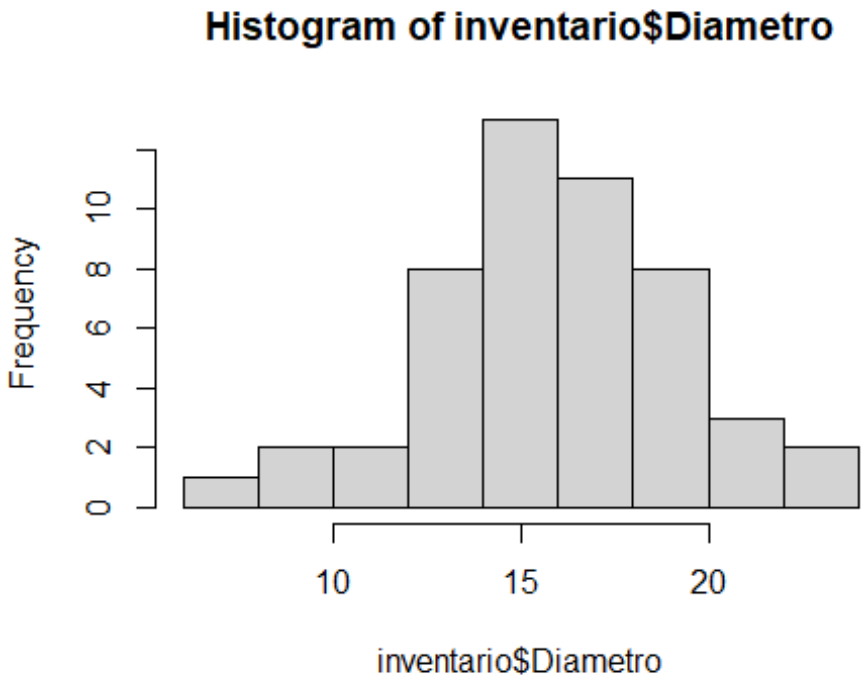

```r
hist(Vecinos.3$Vecinos)
```



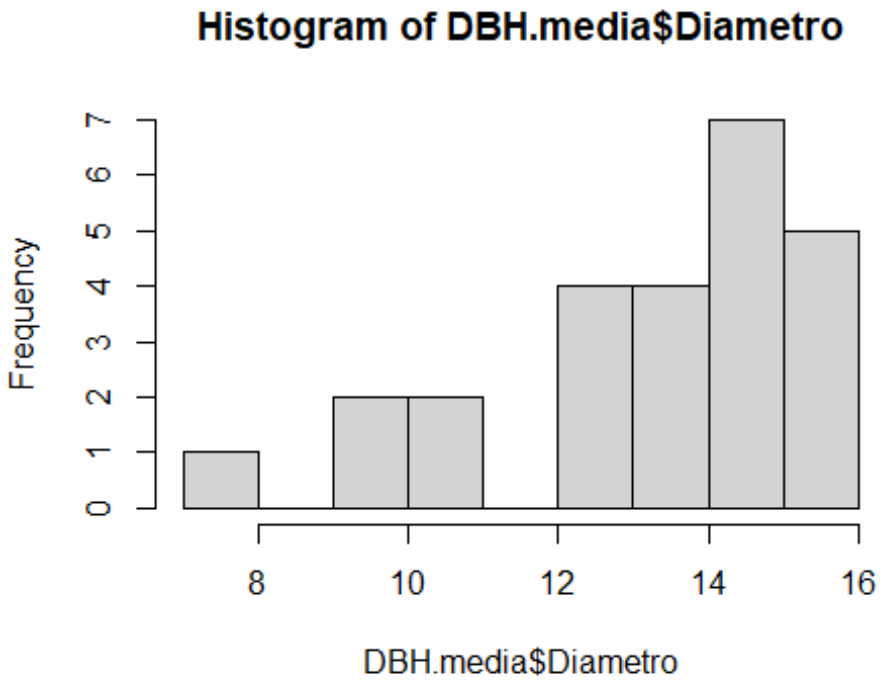

```r
hist(Vecinos.4$Vecinos)
```



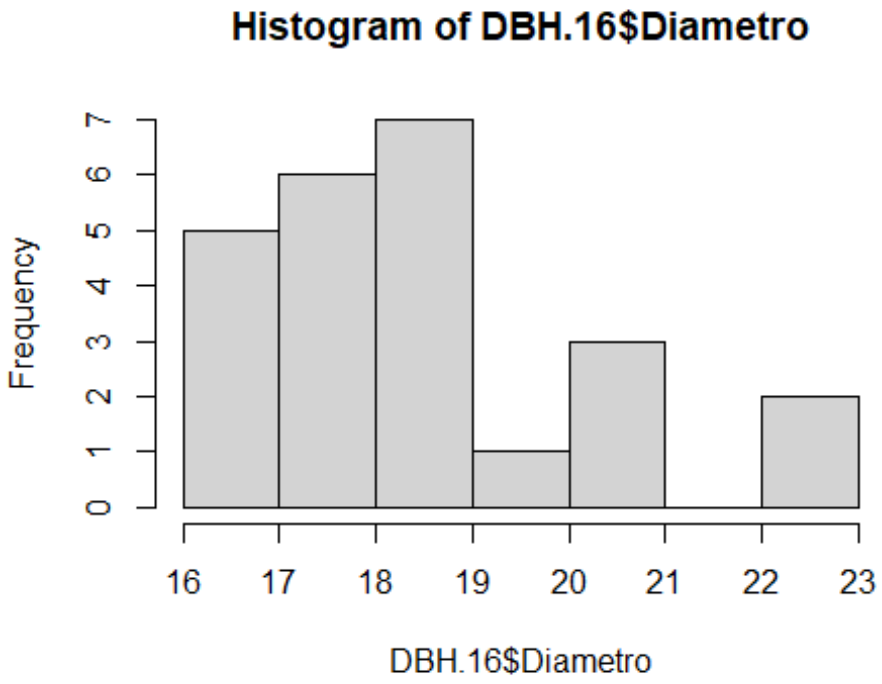

```r
hist(inventario$Diametro)
```




```r
hist(DBH.media$Diametro)
```




```r
hist(DBH.16$Diametro)
```


Histogram of DBH.16$Diametro
Frequency
0
1
2
3
4
5
6
7
16
17
18
19
20
21
22
23
DBH.16$Diametro