Tarea_2.R

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```
# Tarea 2
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DBH_1 <-
read.csv("https://raw.githubusercontent.com/Gabino27/PrincipiosEstadistic
a2021/main/DBH_1.csv")
conjunto <-
read.csv("https://raw.githubusercontent.com/Gabino27/PrincipiosEstadistic
a2021/main/DBH_1.csv")
head(conjunto)
```
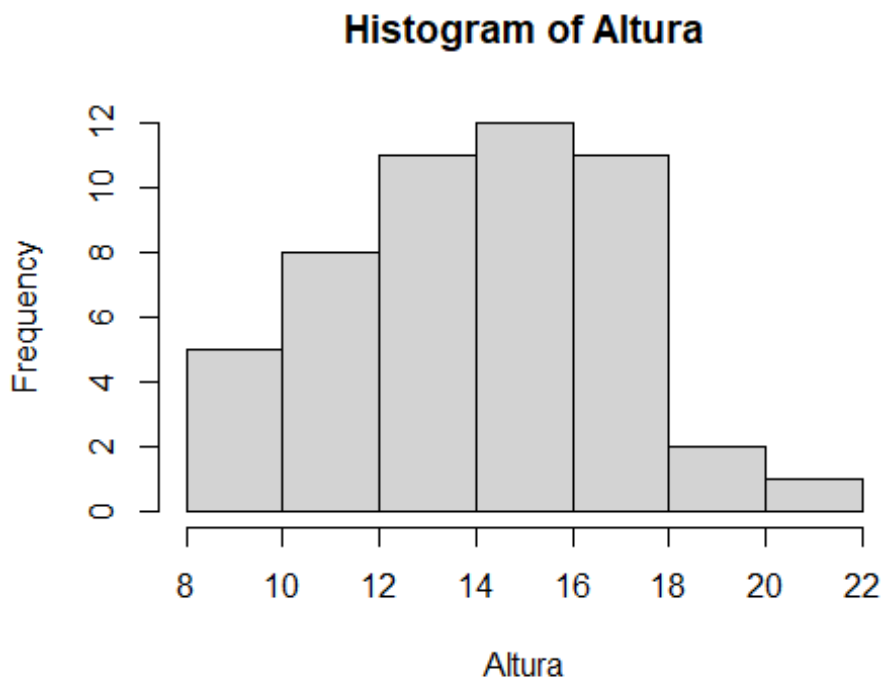

```
##   Arbol Fecha Especie Posicion Vecinos Diametro Altura
## 1    12     F       C        4    15.3    14.78     NA
## 2    12     F       D        3    17.8    17.07     NA
## 3     9     C       D        5    18.2    18.28     NA
## 4     9     H       S        4     9.7     8.79     NA
## 5     7     H       I        6    10.8    10.18     NA
## 6    10     C       I        3    14.1    14.90     NA
```

```
Altura <- c(14.78, 17.07, 18.28, 8.79, 10.18, 14.9, 15.34, 17.22, 15.15,
14.66,
            17.43, 17.45, 14.18, 13.4, 10.4, 11.52, 14.61, 21.46, 17.82,
11.38,
            8.5, 12.8, 18.71, 14.48, 14.81, 12.01, 11.70, 16.03, 14.46,
8.47,
            11.22, 12.34, 16.79, 16.06, 13.2, 14.3, 16.84, 13.84, 11.31,
13.2,
            13.75, 14.6, 12.56, 10.88, 13.93,
            12.68, 10, 8.69, 16.73, 16.25)
mean(Altura)
```

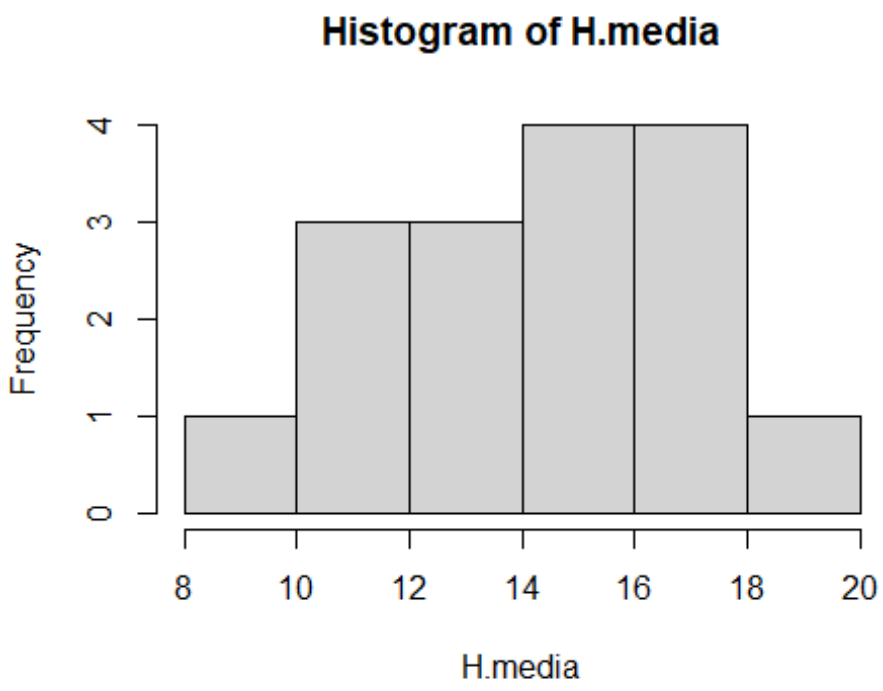
```
## [1] 13.9432
```

```
H.media <- subset(Altura, DBH_1 <= 13.9432)
H.16 <- subset(Altura, DBH_1 < 16.5)
Vecinos <-
c(4,3,5,4,6,3,2,2,4,5,3,6,2,2,4,3,0,1,4,3,5,4,1,4,2,4,3,3,0,1,3,5,4,6,4,2
,0,3,4,6,3,3,4,5,4,3,6,5,1,3)
Vecinos3 <-subset(Vecinos, DBH_1 <= 3)
Vecinos4 <-subset(Vecinos, DBH_1 >4)
Diametro <-
```

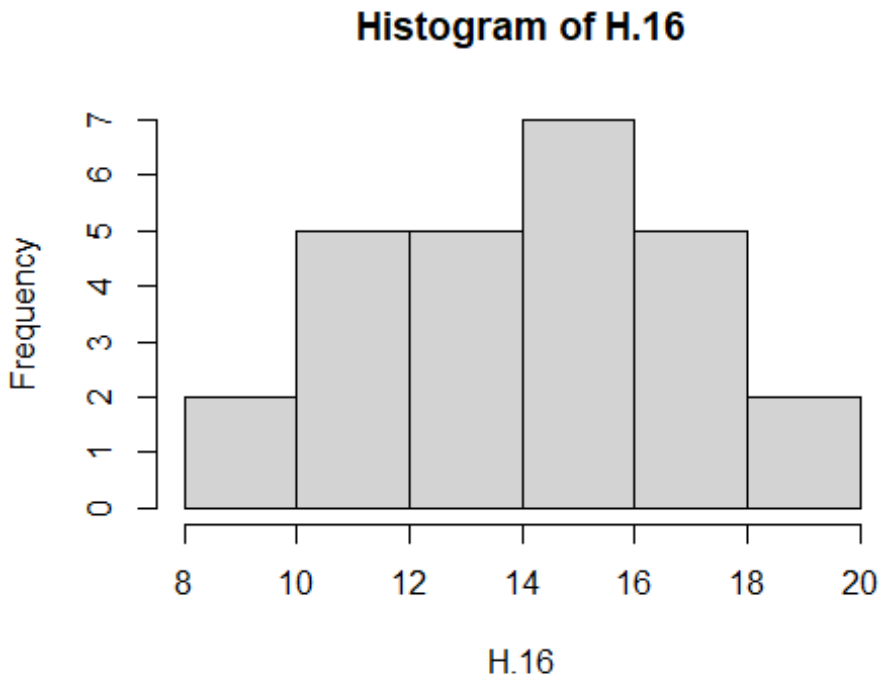
```
c(15.3,17.8,18.2,9.7,10.8,14.1,17.1,20.6,18.2,16.1,14.2,14.8,19.1,

16.7,18.9,12.4,17.3,22.7,15.1,17.7,13.4,16.2,18.5,15.0,18.8,15.8,

16.1,15.4,17.8,18.5,14.1,14.8,15.5,13.8,13.0,18.2,22.3,17.8,13.1,
              12.8,13.3,15.6,16.6,13.0,10.2,14.4,7.7,9.9,20.4,20.9)
mean(Diametro)

## [1] 15.794

DBHmedia <- subset(Diametro, DBH_1 < 15.794)
DBH16 <- subset(Diametro, DBH_1 > 16)
Especie <-
c("F,F,C,H,H,C,C,C,F,F,H,H,F,C,C,H,H,F,C,C,C,C,F,F,F,H,H,C,C,C,C,C,
             F,F,F,H,H,H,C,C,C,F,H,C,C,F,C,C,H,H,cedro rojo,tsuga
Heterofila,
             Douglasia Verde")
Especie <- subset(Especie, DBH_1 <= 16.9)
Especie <- subset(Especie, DBH_1 > 18.5)
hist(Altura)
```



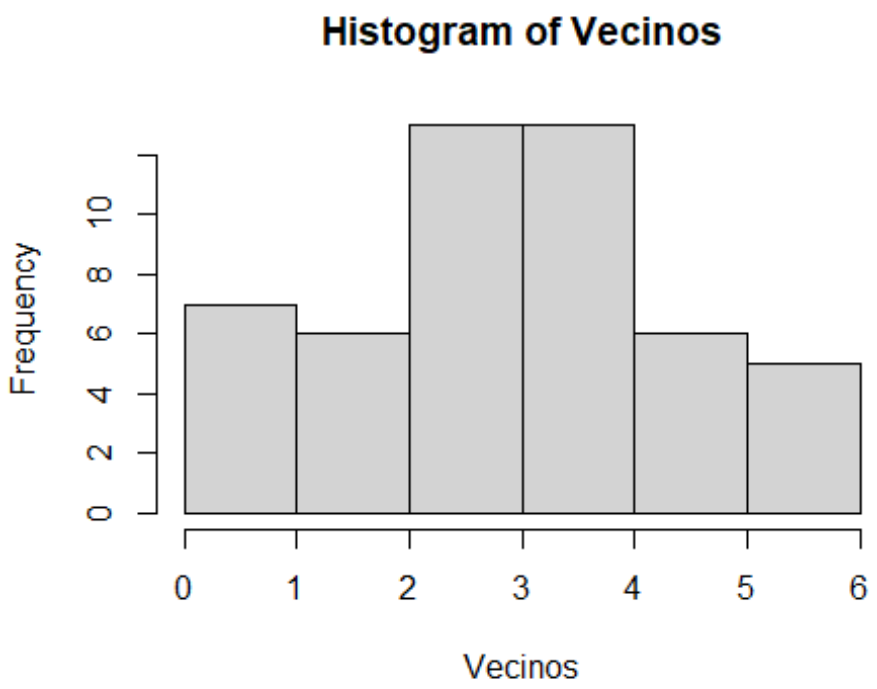

```
hist(H.media)
```



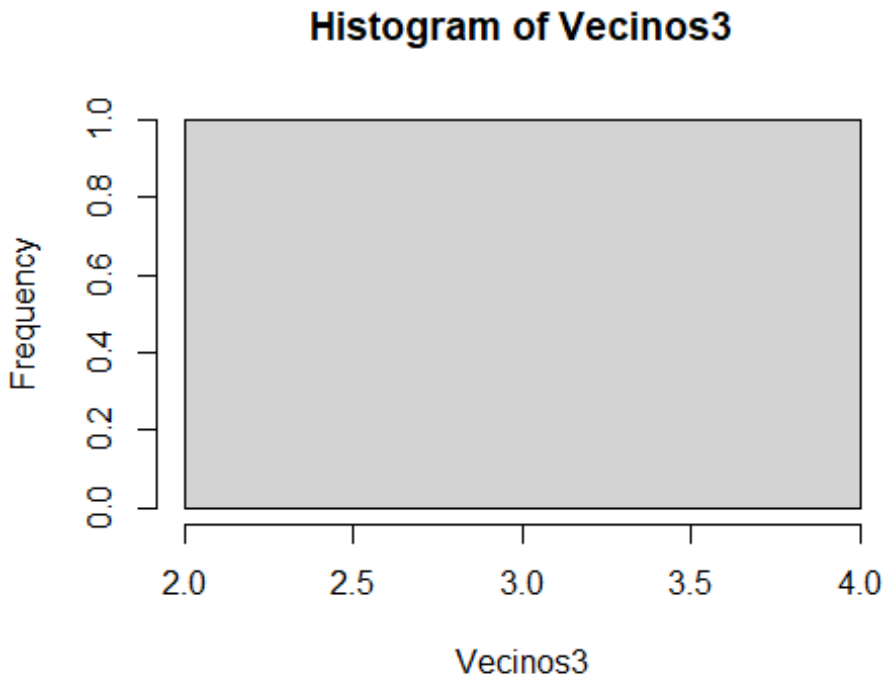

```
hist(H.16)
```



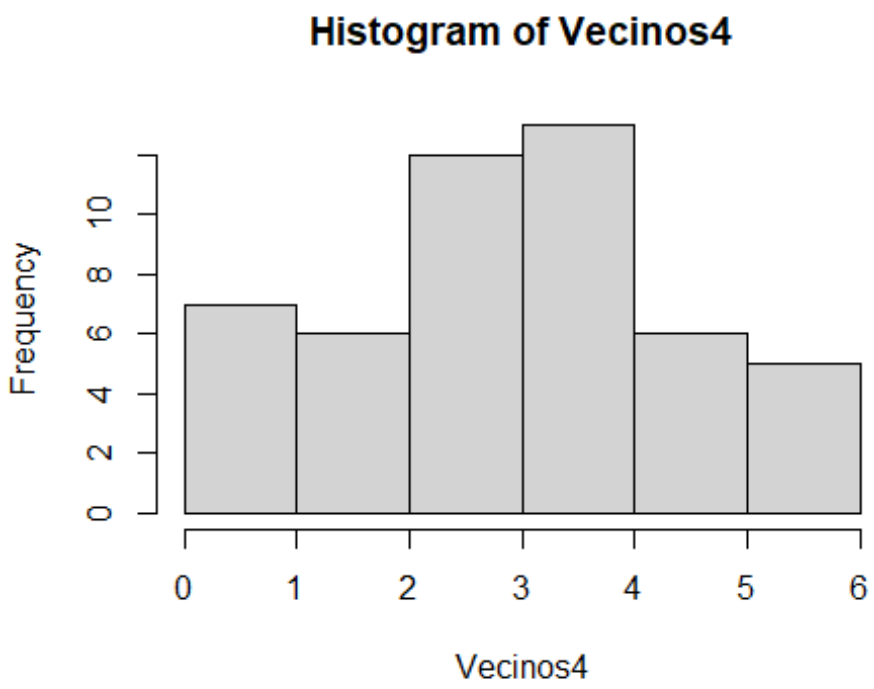

```
hist(Vecinos)
```



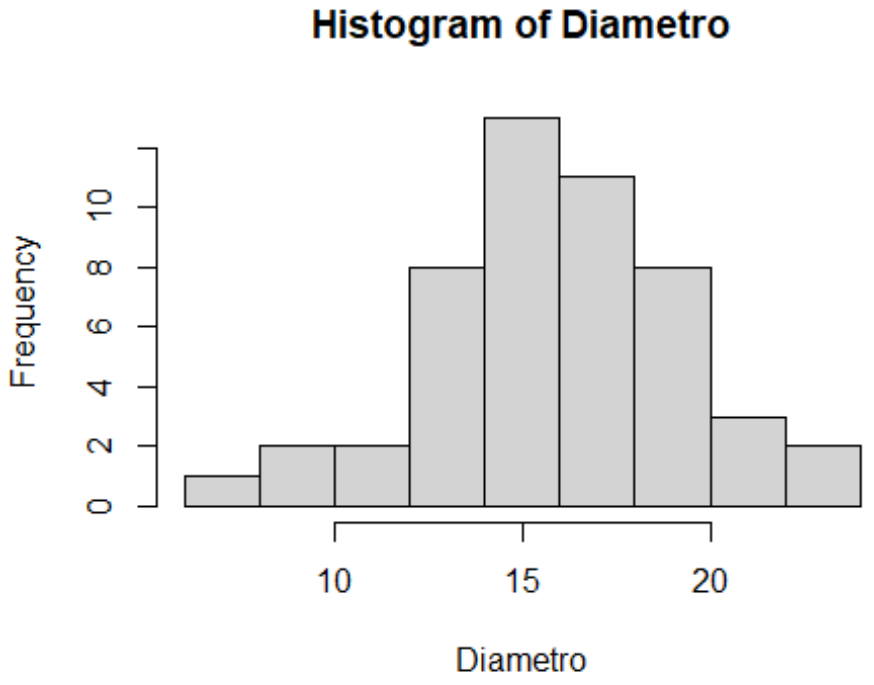

```
hist(Vecinos3)
```



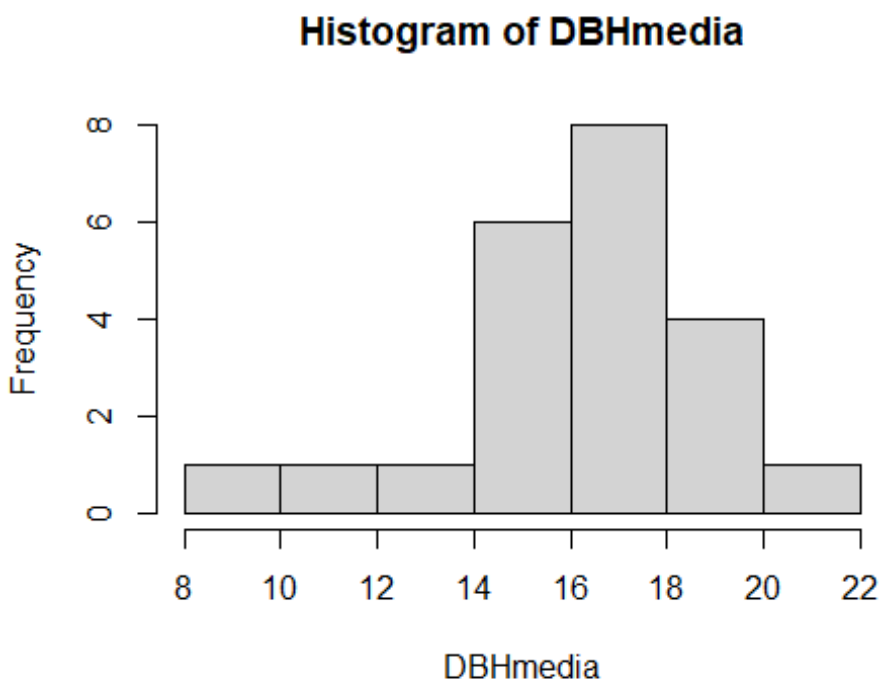

```
hist(Vecinos4)
```



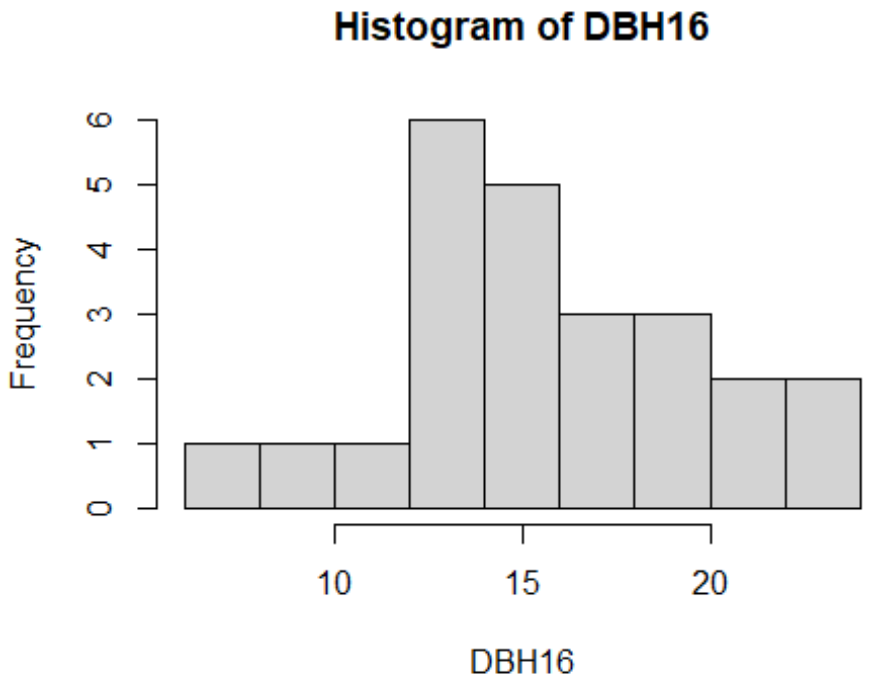

```
hist(Diametro)
```




```
hist(DBHmedia)
```




```
hist(DBH16)
```




```
mean(Altura)
```

```
## [1] 13.9432
sd(Altura)
## [1] 2.907177
mean(H.media)
## [1] NA
sd(H.media)
## [1] NA
mean(H.16)
## [1] NA
sd(H.16)
## [1] NA
mean(Vecinos)
## [1] 3.34
sd(Vecinos)
## [1] 1.598596
mean(Vecinos3)
## [1] NA
sd(Vecinos3)
## [1] NA
mean(Vecinos4)
## [1] NA
sd(Vecinos4)
## [1] NA
mean(Diametro)
## [1] 15.794
sd(Diametro)
## [1] 3.227017
mean(DBHmedia)
```

```
## [1] NA
sd(DBHmedia)
## [1] NA
mean(DBH16)
## [1] NA
sd(DBH16)
## [1] NA
```