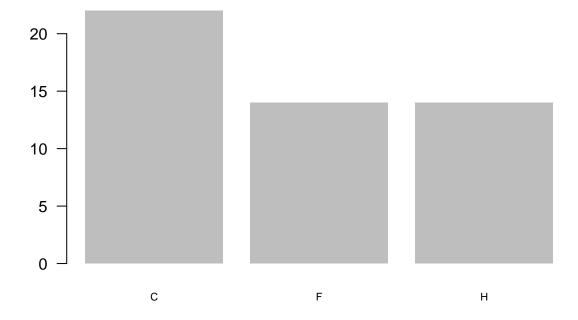
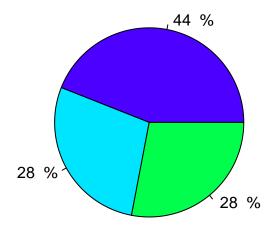
Laboratorio-3.R

User

2021-08-29

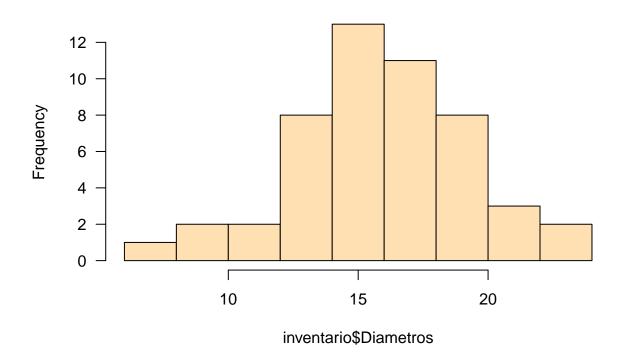
```
# Itzel Reta Heredia
# 8/26/2021
# 2124992
###########
# Importacion de datos -----
esp.url <- paste0("https://raw.githubusercontent.com/mgtagle/","PrincipiosEstadistica2021/main/cuadro1.</pre>
inventario <- read.csv(esp.url)</pre>
head(inventario)
    Arbol Fecha Especie Posicion Vecinos Diametros Altura
##
## 1
                   F
                           C
                                  4 15.3 14.78
## 2
       2 12
                   F
                           D
                                   3
                                          17.8 17.07
                         D 5
S 4
## 3
       3
            9
                    С
                                         18.2 18.28
## 4
      4 9
                   H
                                          9.7 8.79
## 5
      5
            7
                   H
                           I
                                   6
                                         10.8 10.18
                               3
                                        14.1 14.90
## 6
      6 10
# Autoestudio
freq_especie <- table(inventario$Especie)</pre>
freq_especie
##
## C F H
## 22 14 14
prop_especie <- freq_especie / sum(freq_especie)</pre>
prop_especie
##
##
     С
       F
## 0.44 0.28 0.28
perc_especie = 100 * prop_especie
perc_especie
##
## C F H
## 44 28 28
barplot(freq_especie, las = 1, border = NA, cex.names = 0.7)
```





```
# Histograma
diam_hist <- hist(inventario$Diametros, las = 1, col ='#ffe0b3')</pre>
```

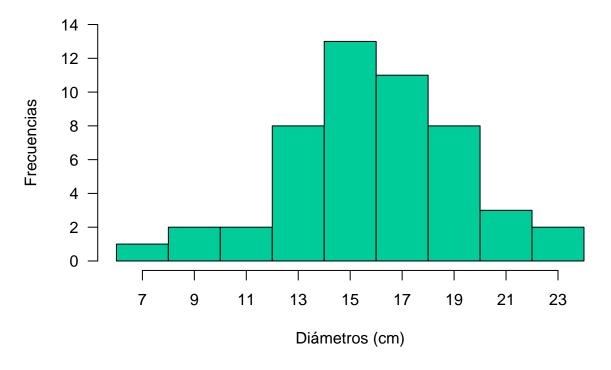
Histogram of inventario\$Diametros



```
diam_hist
```

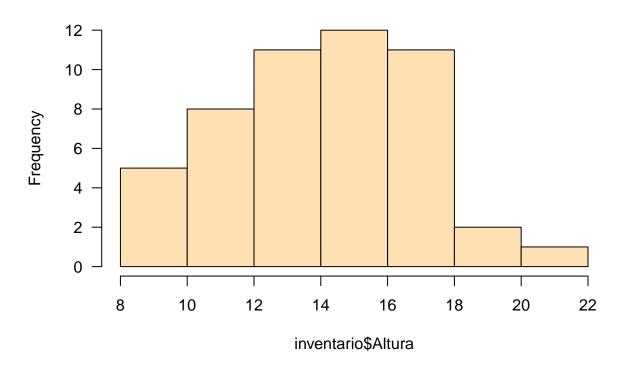
```
## $breaks
   [1] 6 8 10 12 14 16 18 20 22 24
##
## $counts
## [1] 1 2 2 8 13 11 8 3 2
##
## $density
## [1] 0.01 0.02 0.02 0.08 0.13 0.11 0.08 0.03 0.02
##
## $mids
## [1] 7 9 11 13 15 17 19 21 23
##
## $xname
## [1] "inventario$Diametros"
##
## $equidist
## [1] TRUE
## attr(,"class")
## [1] "histogram"
diam_hist$breaks
```

[1] 6 8 10 12 14 16 18 20 22 24



```
# Autoestudio
altura_hist <- hist(inventario$Altura, las = 1, col ='#ffe0b3')</pre>
```

Histogram of inventario\$Altura



```
## $breaks
## [1] 8 10 12 14 16 18 20 22
## $counts
## [1] 5 8 11 12 11 2 1
##
## $density
## [1] 0.05 0.08 0.11 0.12 0.11 0.02 0.01
##
## $mids
## [1] 9 11 13 15 17 19 21
##
## $xname
## [1] "inventario$Altura"
##
## $equidist
## [1] TRUE
```

[1] 8 10 12 14 16 18 20 22

attr(,"class")
[1] "histogram"
altura_hist\$breaks

altura_hist

