# Clase-3.R

Andy

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```r
# Andy Abril Ramos Villa
# 2026333
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# Importar datos ----------------------------------------------------------

library(readr) # Llamar la biblioteca o library

file <-
paste0("https://raw.githubusercontent.com/mgtagle/202_Analisis_Estadistico_2020/02680a60a88f56facda17fa38af265fb81f7f9f6/cuadro1.csv")

inventario <- read.csv(file)
tail(inventario)
```

```
##    Arbol Fecha Especie Clase Vecinos Diametro Altura
## 45    45    24       C     I       4     10.2  13.93
## 46    46    23       F     I       3     14.4  12.68
## 47    47    24       C     S       6      7.7  10.00
## 48    48    25       C     S       5      9.9   8.69
## 49    49    25       H     D       1     20.4  16.73
## 50    50    24       H     D       3     20.9  16.25
```

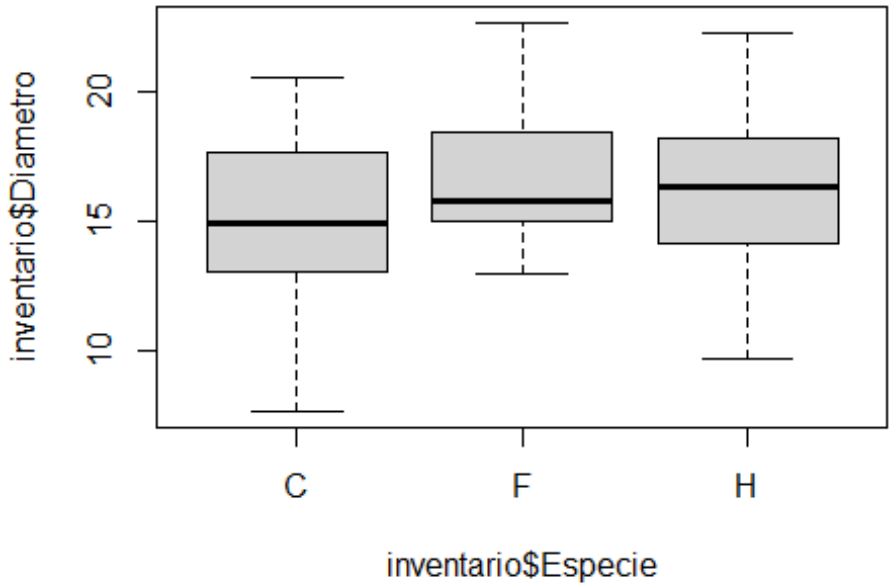
```r
mean(inventario$Diametro)
```

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

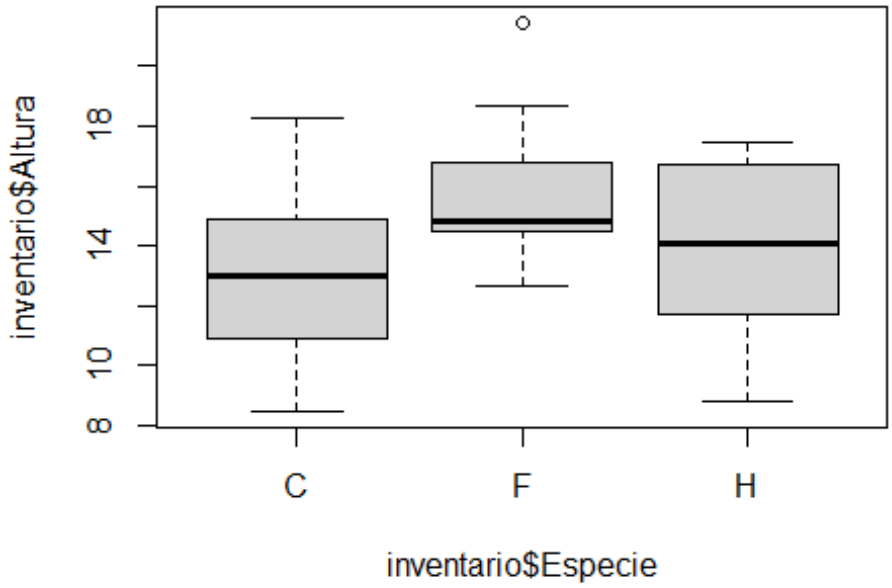
```r
mean(inventario$Altura)
```

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

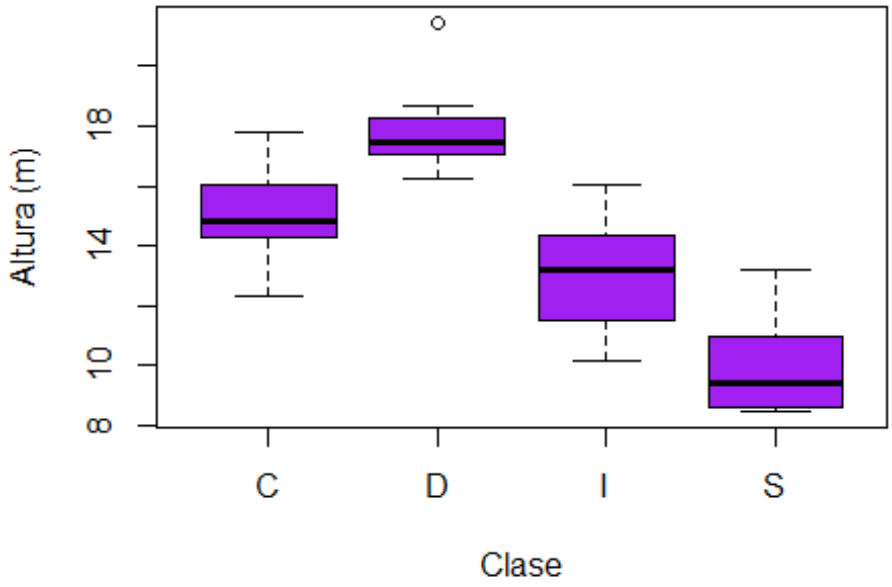
```r
boxplot(inventario$Diametro~inventario$Especie)
```




```r
boxplot(inventario$Altura~inventario$Especie)
```




```r
boxplot(inventario$Altura~inventario$Clase, col= "purple",
        xlab = "Clase", ylab = "Altura (m)")
```




```r
# Restricciones -------------------------------------------------------
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sub1 <- subset(inventario, Diametro >= 15)
sub2 <- subset(inventario, Diametro >= mean(Diametro))
sub3 <- subset(inventario, Clase != "D")

boxplot(sub3$Diametro ~ sub3$Clase, col = "purple")
```

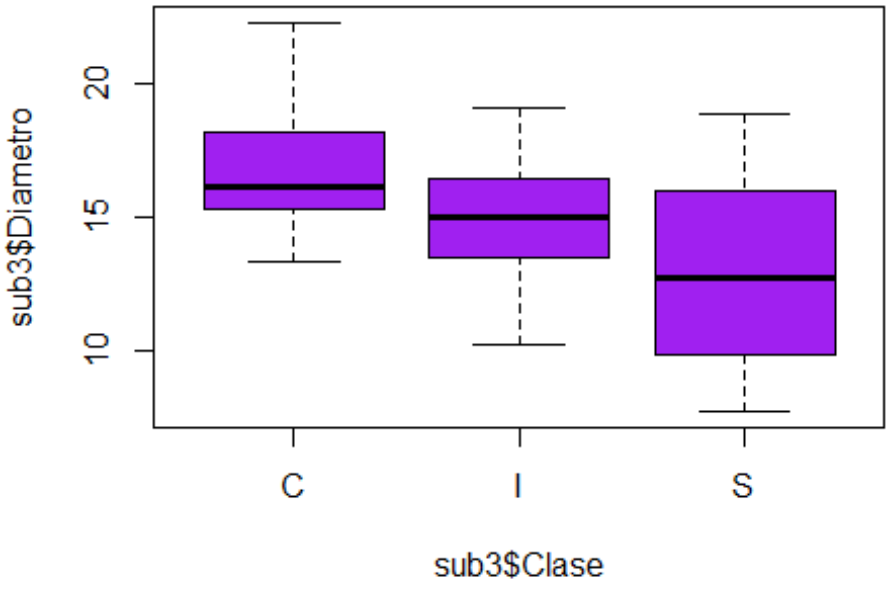
sub3$Diametro
10
15
20
C
I
S
sub3$Clase