

Laboratorio_2.R

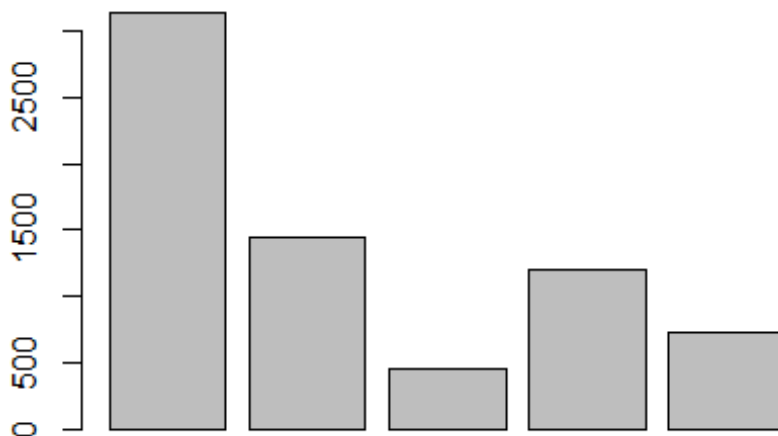
Gabino Gonzalez

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```
# Laboratorio_2  
# Gabino_Gonzalez_García  
# 1922575  
# 22.02.2021
```

Problema_1

```
Pinus <- 3140  
Mezquite <- 1453  
Encinos <- 450  
Teka <- 1200  
Juiperos <- 720  
Superficie <- c(Pinus, Mezquite, Encinos, Teka, Juiperos)  
barplot(Superficie)
```



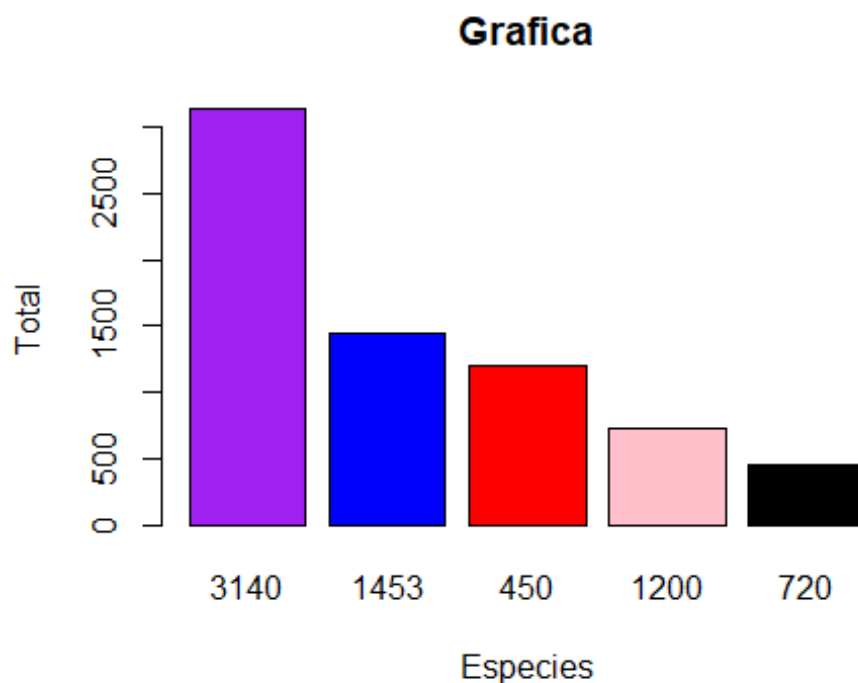
```
help(sort)
```

```
## starting httpd help server ... done
```

```

sort(Superficie, decreasing = FALSE,)
## [1] 450 720 1200 1453 3140
sort(Superficie, decreasing = TRUE,)
## [1] 3140 1453 1200 720 450
barplot(sort(Superficie, decreasing = TRUE,), col = c("purple", "blue",
"red",
"pink", "black"),
        ylab = "Total", xlab = "Especies", main = "Grafica", name =
Superficie)

```



```
mean(Superficie)
```

```
## [1] 1392.6
```

```
## Problema_2
```

```
C1 <- 4
```

```
C2 <- 1
```

```
C3 <- 6
```

```
C4 <- 2
```

```
C5 <- 4
```

```
C6 <- 2
```

```
C7 <- 4
```

```
C8 <- 2
```

```

C9 <- 4
C10 <- 6
C11 <- 3
C12 <- 5
C13 <- 3
C14 <- 2
C15 <- 5
C16 <- 4
C17 <- 0
C18 <- 5
C19 <- 4
C20 <- 2
C21 <- 4
C22 <- 5
C23 <- 3
C24 <- 5
C25 <- 3
C26 <- 5
C27 <- 4
C28 <- 3
C29 <- 6
C30 <- 2
Germinacion <- c(C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13,
C14,
                  C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25,
C26,
                  C27, C28, C29, C30)
Germinacion

## [1] 4 1 6 2 4 2 4 2 4 6 3 5 3 2 5 4 0 5 4 2 4 5 3 5 3 5 4 3 6 2

mean(Germinacion)

## [1] 3.6

help(sd)
sd(Germinacion)

## [1] 1.522249

## Problema_3

P1 <- 38
P2 <- 14
P3 <- 44
P4 <- 11
P5 <- 9
P6 <- 21
P7 <- 39
P8 <- 38
P9 <- 41

```

```

P10 <- 4
P11 <- 35
P12 <- 24
P13 <- 36
P14 <- 12
P15 <- 20
P16 <- 31
P17 <- 24
P18 <- 25
P19 <- 10
P20 <- 21
P21 <- 11
P22 <- 36
P23 <- 37
P24 <- 20
P25 <- 26
Altura <- c(P1, P2, P3, P4, P5, P6, P7, P8, P9, P10, P11, P12, P13, P14,
P15,
           P16, P17, P18, P19, P20, P21, P22, P23, P24, P25)
Altura
## [1] 38 14 44 11  9 21 39 38 41  4 35 24 36 12 20 31 24 25 10 21 11 36
37 20 26
mean(Altura)
## [1] 25.08
sd(Altura)
## [1] 11.8354

# Referencias
### MarcoAurelioGonzalezTagle.(2021,February).CuadernilloDeEjercicios
### PrincipiosDeEstadísticaIngForestal(Version1).Zenodo.
### http://doi.org/10.5281/zenodo.4544150

```