clase16-02-2022.R

Junio

2022-05-20

```
# FLO
# Semana 5
# 10/02/2022

url <- paste0("https://raw.githubusercontent.com/mgtagle/",
              "PrincipiosEstadistica2021/main/cuadro1.csv")


inventario <- read.csv(url)
summary(inventario)

##      Arbol           Fecha         Especie            Posicion
##  Min.   : 1.00   Min.   : 2.00   Length:50          Length:50
##  1st Qu.:13.25   1st Qu.:12.00   Class :character   Class :character
##  Median :25.50   Median :16.00   Mode  :character   Mode  :character
##  Mean   :25.48   Mean   :15.94
##  3rd Qu.:37.75   3rd Qu.:20.75
##  Max.   :50.00   Max.   :25.00
##     Vecinos       Diametros         Altura
##  Min.   :0.00   Min.   : 7.70   Min.   : 8.47
##  1st Qu.:2.25   1st Qu.:13.88   1st Qu.:11.78
##  Median :3.00   Median :15.70   Median :14.24
##  Mean   :3.34   Mean   :15.79   Mean   :13.94
##  3rd Qu.:4.00   3rd Qu.:18.10   3rd Qu.:16.05
##  Max.   :6.00   Max.   :22.70   Max.   :21.46

inventario$Especie <- as.factor(inventario$Especie)

inventario$Posicion <- as.factor(inventario$Posicion)


# Obtener una tabla de frecuencia para las variables especie y posición -
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freq.sp <- table(inventario$Especie)

freq.sp/sum(freq.sp)*100

##
##  C  F  H
## 44 28 28
```
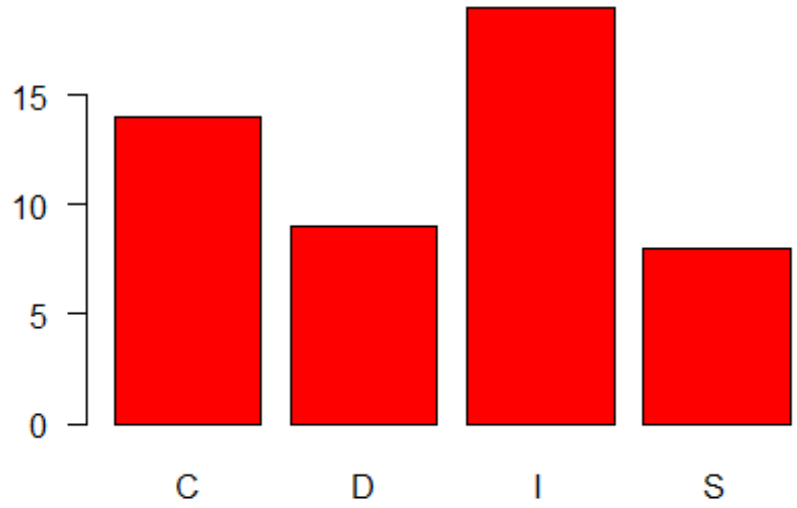
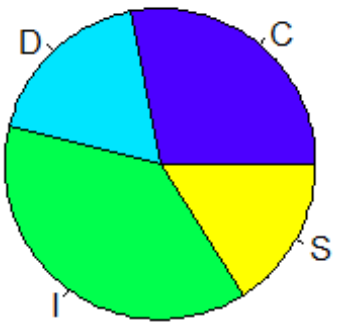

```r
freq.ps <- table(inventario$Posicion)

por.pos <- freq.ps/sum(freq.ps)*100

barplot(freq.ps, col ="red", las = 1)
```

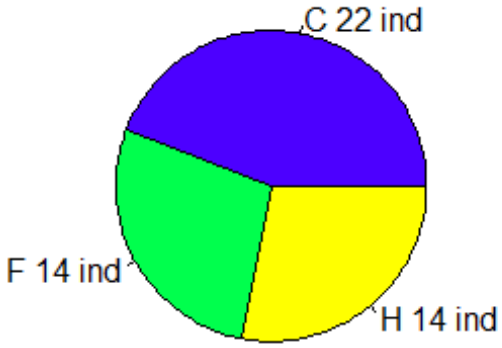



```r
barplot(freq.sp, las=1, col = "lightblue", border = NA)
```


```
pie(freq.ps, col = topo.colors(4))
```




```
pie(freq.sp, col = topo.colors(3), labels =
paste(levels(inventario$Especie), freq.sp, "ind"))
```




```
pie(freq.ps, col = topo.colors(4), labels =
paste(levels(inventario$Posicion), por.pos, "%"))
```