Script-tarea.R

Usuario

2020-02-19

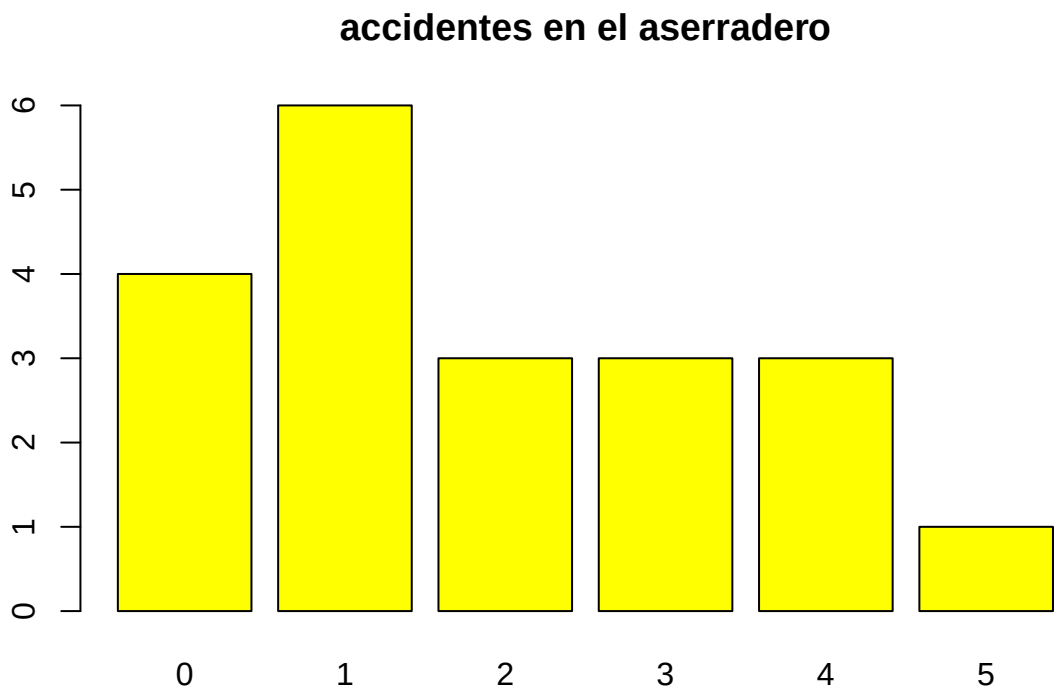
```
library(plyr)
accidentes <- c(0,1,0,2,2,1,4,3,0,1,5,1,2,3,4,0,1,1,3,4)
acc <- count(accidentes)
acc
```

```
##   x freq
## 1 0    4
## 2 1    6
## 3 2    3
## 4 3    3
## 5 4    3
## 6 5    1
```

```
(acc$freq/sum(acc$freq)*100)
```

```
## [1] 20 30 15 15 15  5
```

```
acc$rf <- acc$freq/sum(acc$freq)*100

barplot(acc$freq, names.arg = acc$x, main = "accidentes en el aserradero", col = "yellow")
```




```r
mean(accidentes)
```

```
## [1] 1.9
```

```r
sum(accidentes)
```

```
## [1] 38
```

```r
# ejercicio 2 ------------------------------------------------------------

especies <- c("F","H","F","C","F","A","H","F","H","C","A","C","F","H","H","H","F","H","A","C","F","H","
frecu <-table(especies)
prop.table(frecu)
```

```
## especies
##         A         C         F         H
## 0.1250000 0.1666667 0.3333333 0.3750000
```

```r
frecu
```

```
## especies
## A C F H
## 3 4 8 9
```

```r
# Ejercicio 3 ------------------------------------------------------------

library(repmis)
cuadro1 <- source_data("https://www.dropbox.com/s/hmsf07bbayxv6m3/cuadro1.csv?dl=1")
```

```
## Downloading data from: https://www.dropbox.com/s/hmsf07bbayxv6m3/cuadro1.csv?dl=1
## SHA-1 hash of the downloaded data file is:
## 2bdde4663f51aa4198b04a248715d0d93498e7ba
```

```
#Encontrar la frecuencia absoluta para la variable vecinos y especie

frecu <-table(cuadro1$Vecinos)
prop.table(frecu)
```

```
##
##    0    1    2    3    4    5    6
## 0.06 0.08 0.12 0.26 0.26 0.12 0.10
```

```
frecu
```

```
##
##  0  1  2  3  4  5  6
##  3  4  6 13 13  6  5
```

```
frecu <-table(cuadro1$Especie)
prop.table(frecu)
```

```
##
##    C    F    H
## 0.44 0.28 0.28
```

```
frecu
```

```
##
##  C  F  H
## 22 14 14
```

```
# Ejercicio 4 ------------------------------------------------------------

dbh <- cuadro1$Diametro
range(dbh)
```

```
## [1]  7.7 22.7
```

```
intervalo <- seq(7.5, 25.5, by=5)
intervalo
```

```
## [1]  7.5 12.5 17.5 22.5
```

```
dbh.table <- cut(dbh,intervalo)
table(dbh.table)
```

```
## dbh.table
##  (7.5,12.5] (12.5,17.5] (17.5,22.5]
##           6          27          16
```

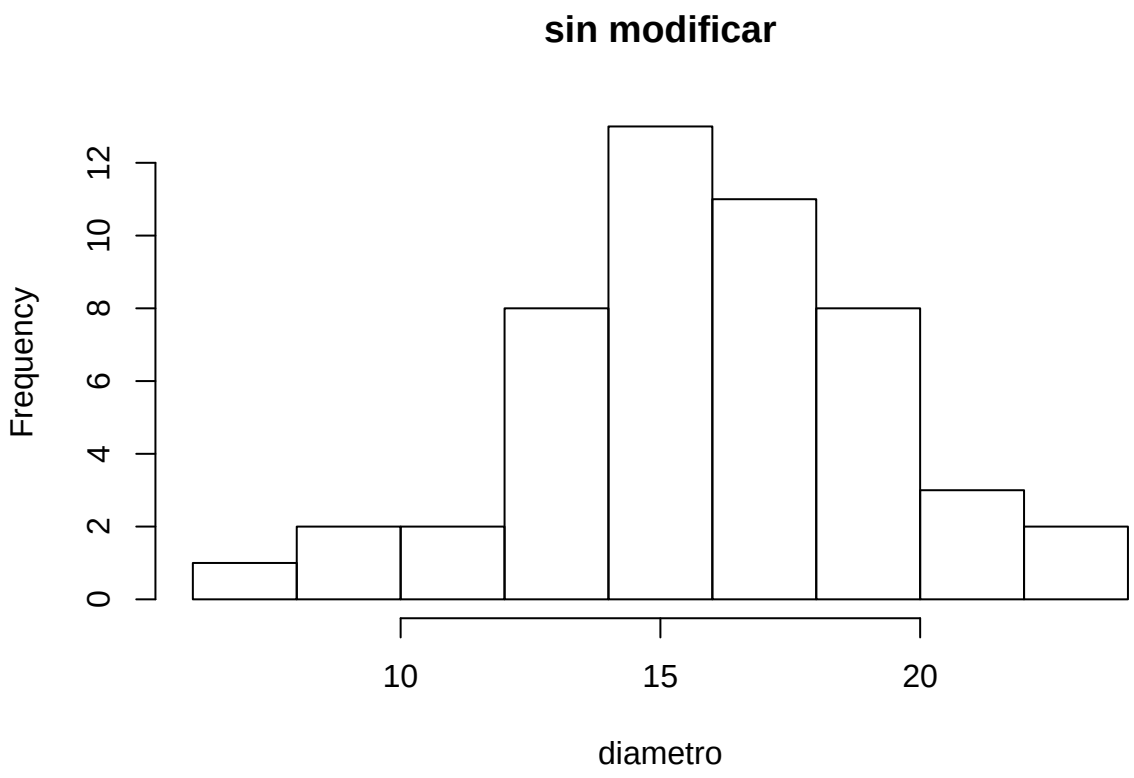
```
dbh.prop <- cbind(table(dbh.table))
dbh.per <- round(prop.table(dbh.prop)*100,2)


# Ejercicio 5 ------------------------------------------------------------

intervalo <- seq(7.5, 25.5, by=5)
intervalo
```

```
## [1]  7.5 12.5 17.5 22.5
```

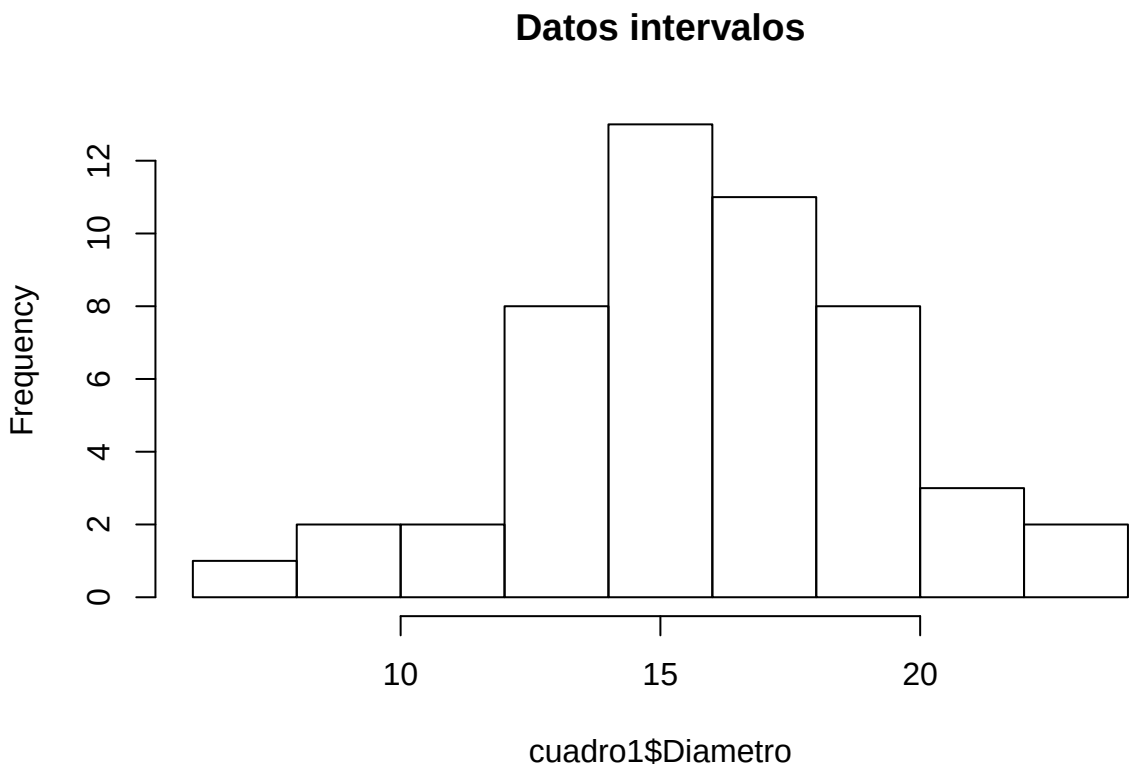
```
par(wfrom=c(1,2))
```

```
## Warning in par(wfrom = c(1, 2)): "wfrom" is not a graphical parameter
```

```
hist(cuadro1$Diametro, main = "sin modificar", xlab = "diametro")
```




```
hist(cuadro1$Diametro, main = "Datos intervalos")
```




```
par(mfrow=c(1,1))
```