

Script-tarea.R

Usuario

2020-02-20

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

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

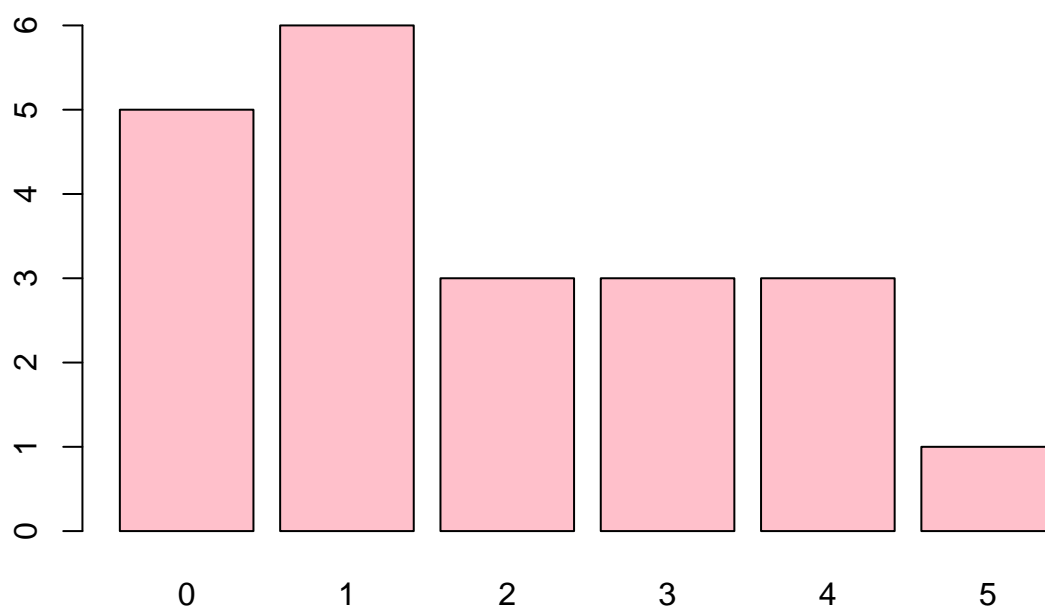
(acc$freq/sum(acc$freq)*100)

## [1] 23.809524 28.571429 14.285714 14.285714 14.285714  4.761905

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

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

Accidentes en el aserradero



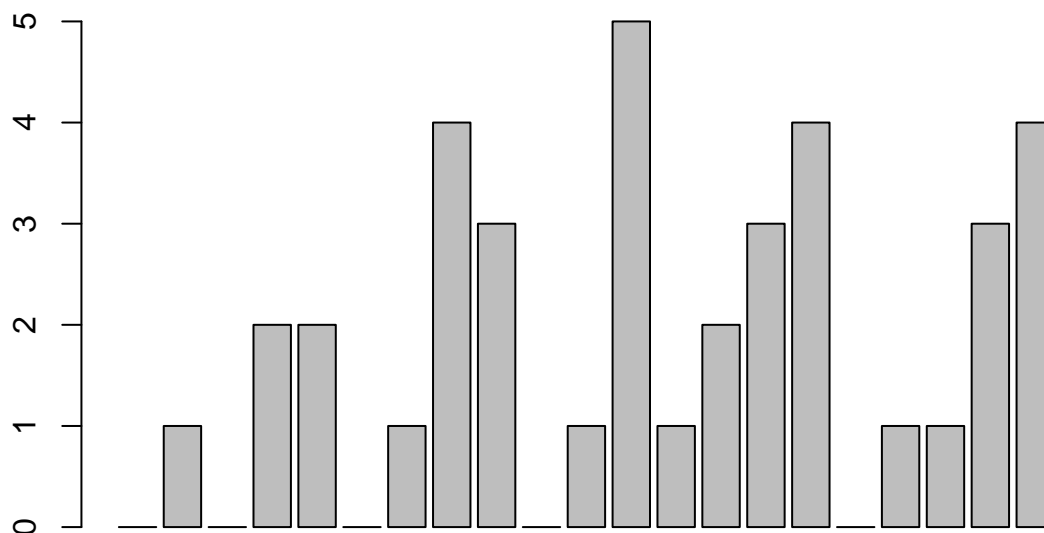
```
mean(accidentes)
```

```
## [1] 1.809524
```

```
sum(accidentes)
```

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

```
barplot(accidentes)
```



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","I")
```

```
Frecu <- table(especies)
Frecu
```

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

```
prop.table(Frecu)
```

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

Ejercicio #3 -----

```
library(repmis)
conjunto <- 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
```

```
Frecu <- table(conjunto$Especie)
Frecu
```

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

Frecu <- table(conjunto$Vecinos)
Frecu

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

# Ejercicio #4 -----

dbh <- conjunto$Diametro
range(dbh)

## [1] 7.7 22.7

intervalo <- seq(8, 21, by=3)
intervalo

## [1] 8 11 14 17 20

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

## dbh.table
## (8,11] (11,14] (14,17] (17,20]
##      4      8      18      14

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

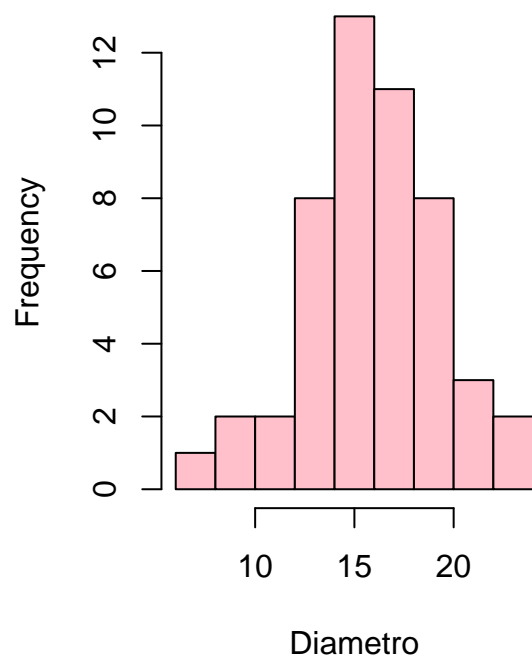
# Ejercicio #5 -----

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

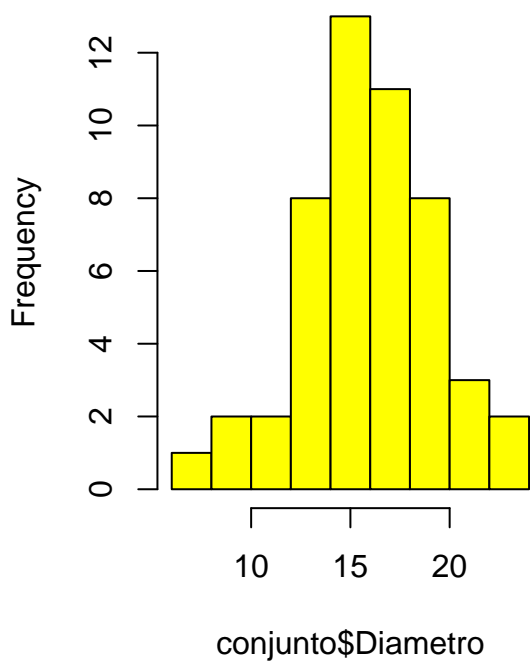
## [1] 7.5 12.5 17.5 22.5

par(mfrow=c(1,2))
hist(conjunto$Diametro,col = "pink", main = "Sin modificar", xlab = "Diametro")
hist(conjunto$Diametro, col = "yellow", main = "Datos intervalos")
```

Sin modificar



Datos intervalos



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