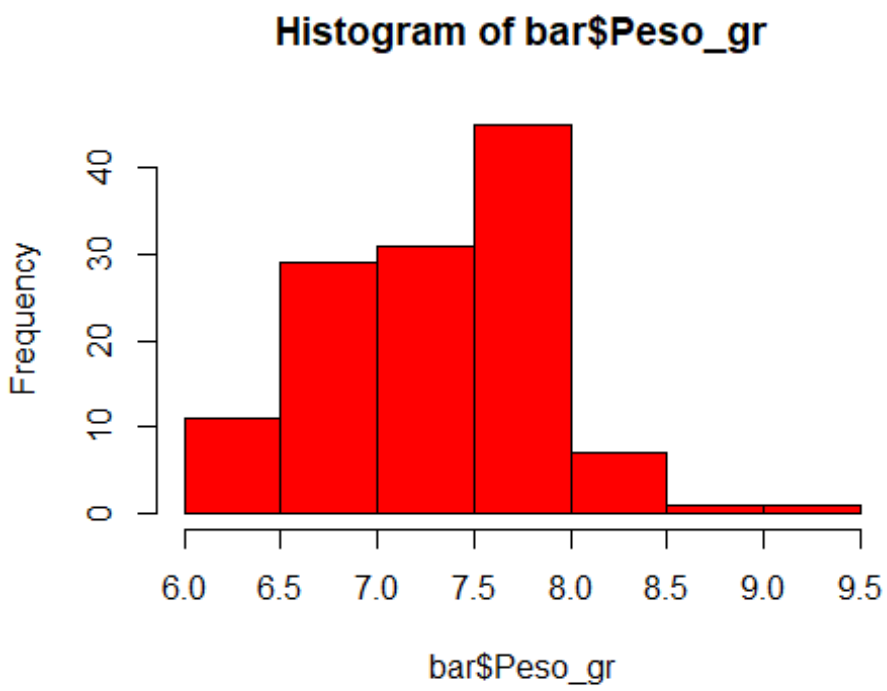
semana-9.R

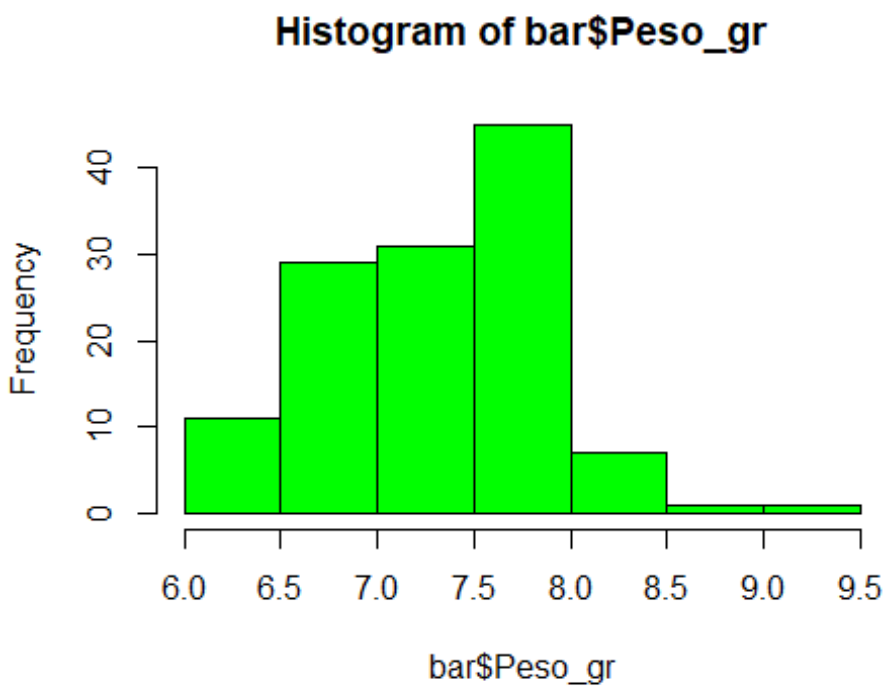
Usuario

2022-05-25

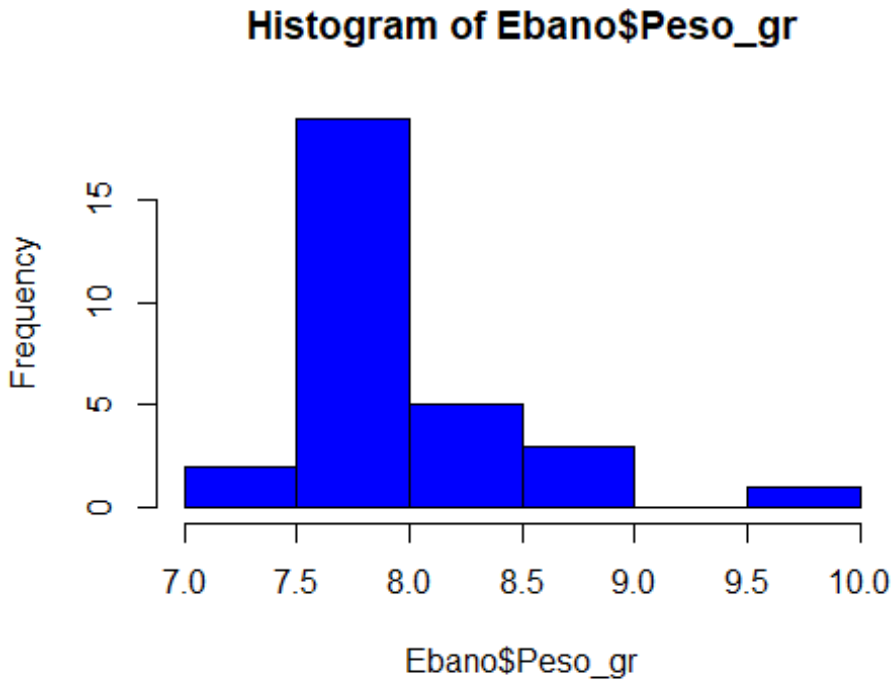
```
#Clase semana 9
#Revisar datos de madera 2x2x2
#BD maderas

madera <- read.csv("madera.csv", header = TRUE)

madera$Sp <- as.factor(madera$Sp)

library(dplyr)

##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##     filter, lag

## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union

bar <- madera %>%
  filter(Sp=="Bar")

shapiro.test(bar$Peso_gr)

##
##  Shapiro-Wilk normality test
##
## data:  bar$Peso_gr
## W = 0.96151, p-value = 0.001274

hist(bar$Peso_gr, col = "red")
```



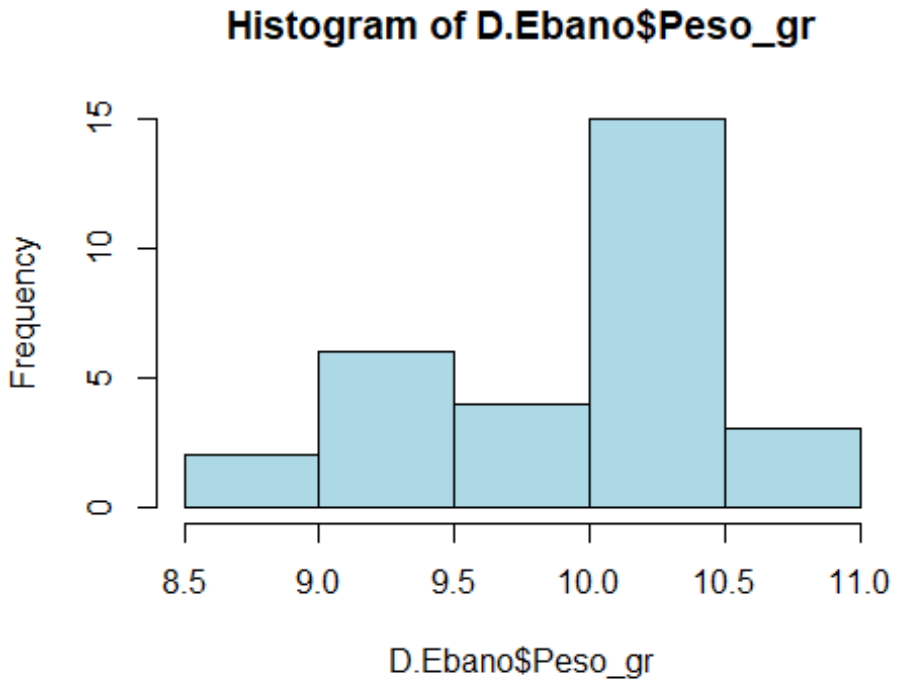

```
chp <- madera %>%
  filter(Sp=="chp")

hist(bar$Peso_gr, col = "green")
```



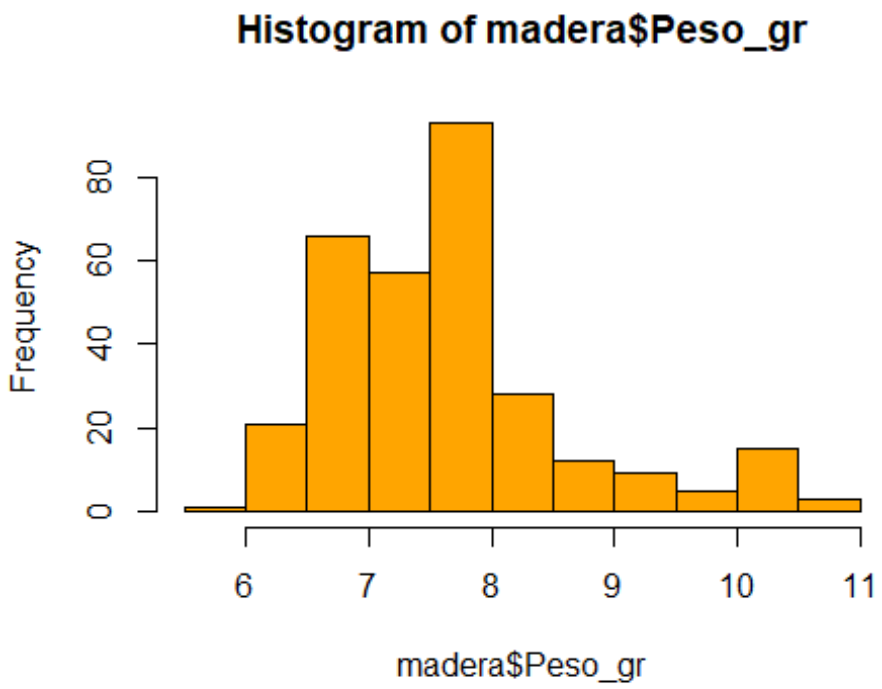

```
Ebano <- madera %>%
  filter(Sp=="Ebano")
hist(Ebano$Peso_gr, col = "blue")
```



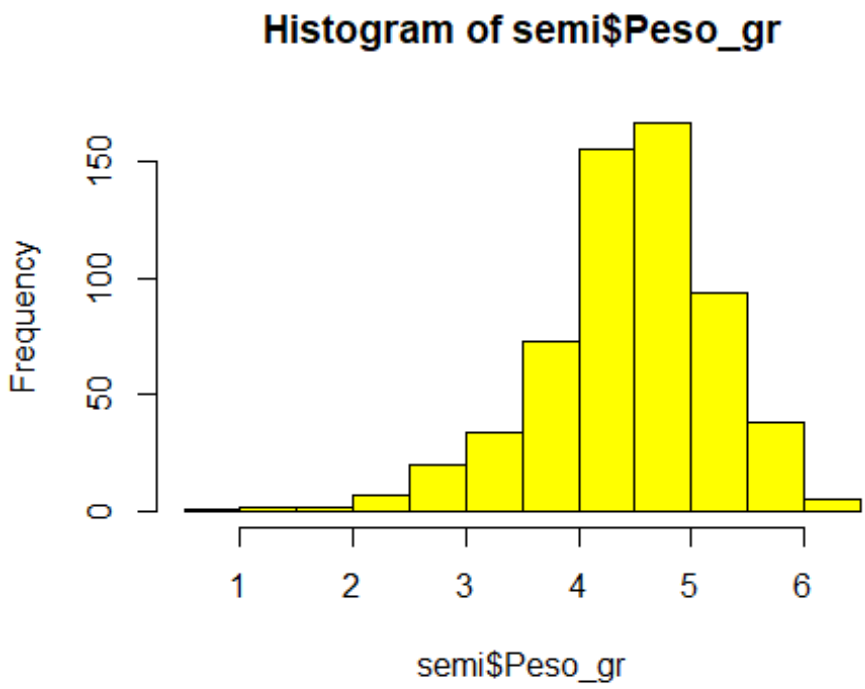
```
shapiro.test(Ebano$Peso_gr)

##
##  Shapiro-Wilk normality test
##
## data:  Ebano$Peso_gr
## W = 0.83769, p-value = 0.0003461

D.Ebano <- madera%>%
  filter(Sp=="D. Ebano")
hist(D.Ebano$Peso_gr, col = "light blue")
```



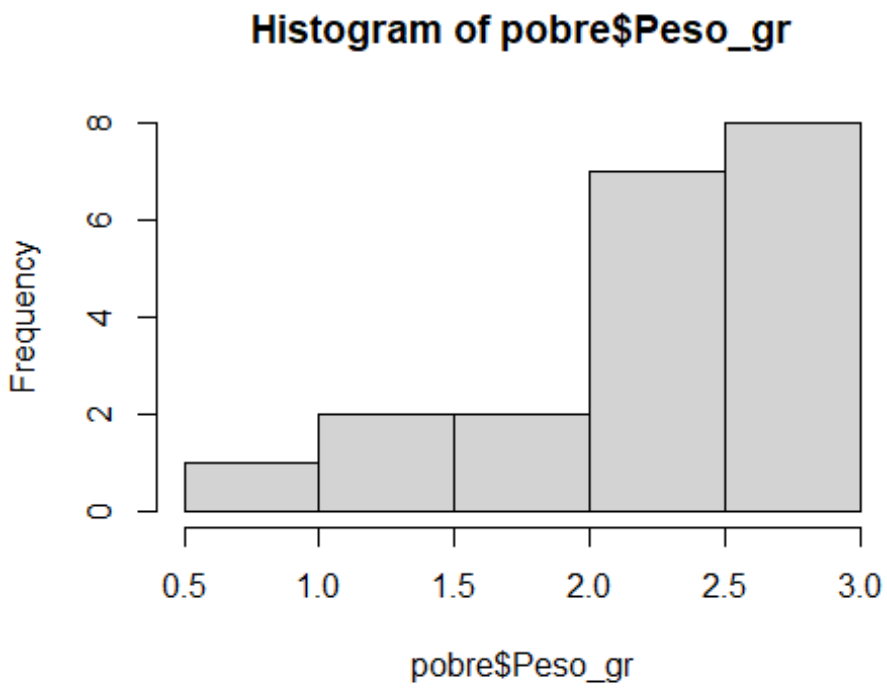

```
shapiro.test(D.Ebano$Peso_gr)

##
##  Shapiro-Wilk normality test
##
## data:  D.Ebano$Peso_gr
## W = 0.92214, p-value = 0.03049

hist(madera$Peso_gr, col = "orange")
```



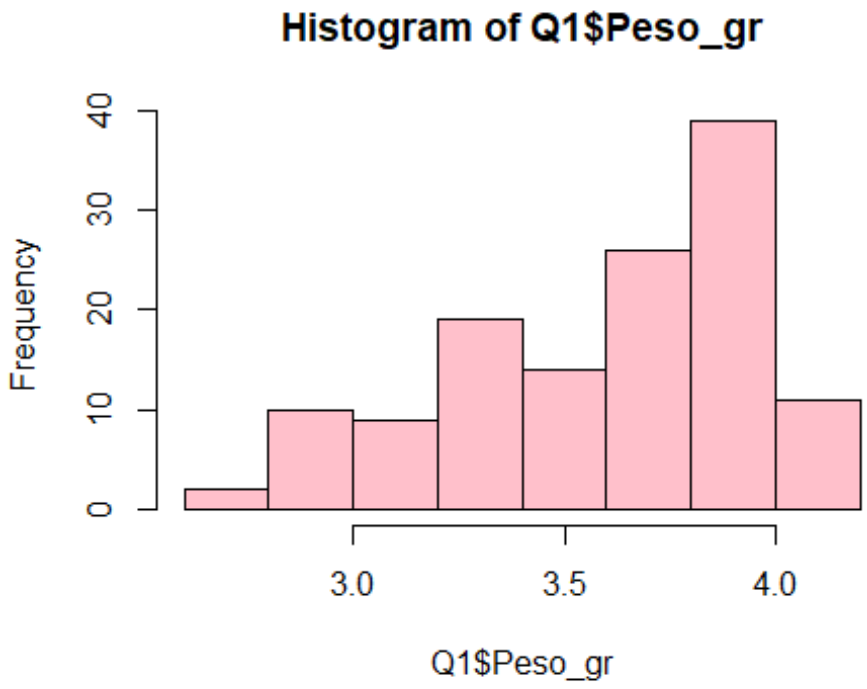

```
shapiro.test(madera$Peso_gr)

##
##  Shapiro-Wilk normality test
##
## data:  madera$Peso_gr
## W = 0.90723, p-value = 7.02e-13

url <-
"https://raw.githubusercontent.com/mgtagle/Marco_Principios_Estadistica_2
022/main/Clases/Semillas.csv"

semi <- read.csv(url)
hist(semi$Peso_gr, col = "yellow")
```



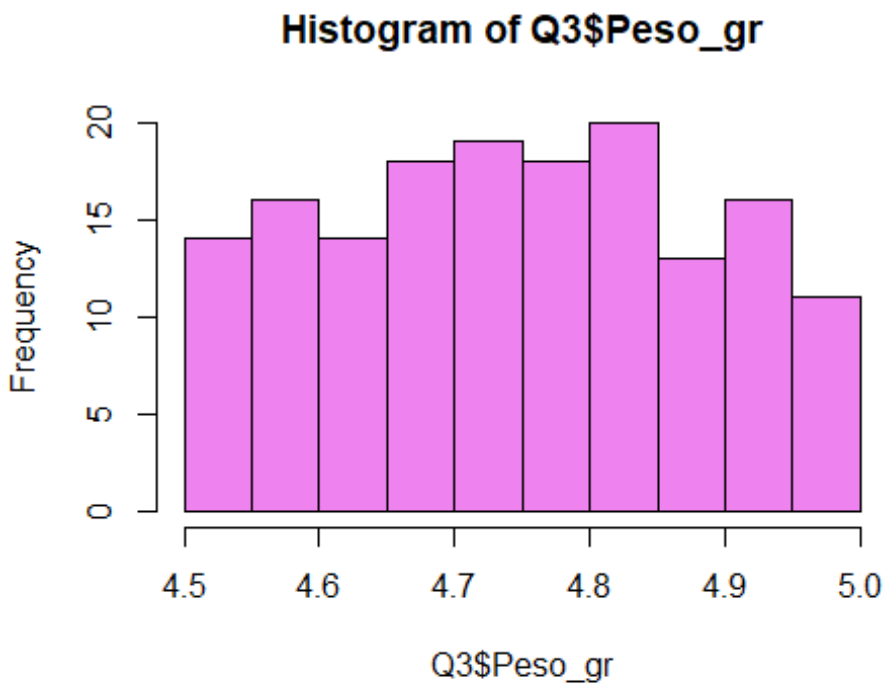

```
shapiro.test(semi$Peso_gr)

##
##  Shapiro-Wilk normality test
##
## data:  semi$Peso_gr
## W = 0.96631, p-value = 1.711e-10

semi$Cond <- as.factor(semi$Cond)

pobre <- semi %>%
  filter(Cond=="Pobre")
hist(pobre$Peso_gr)
```



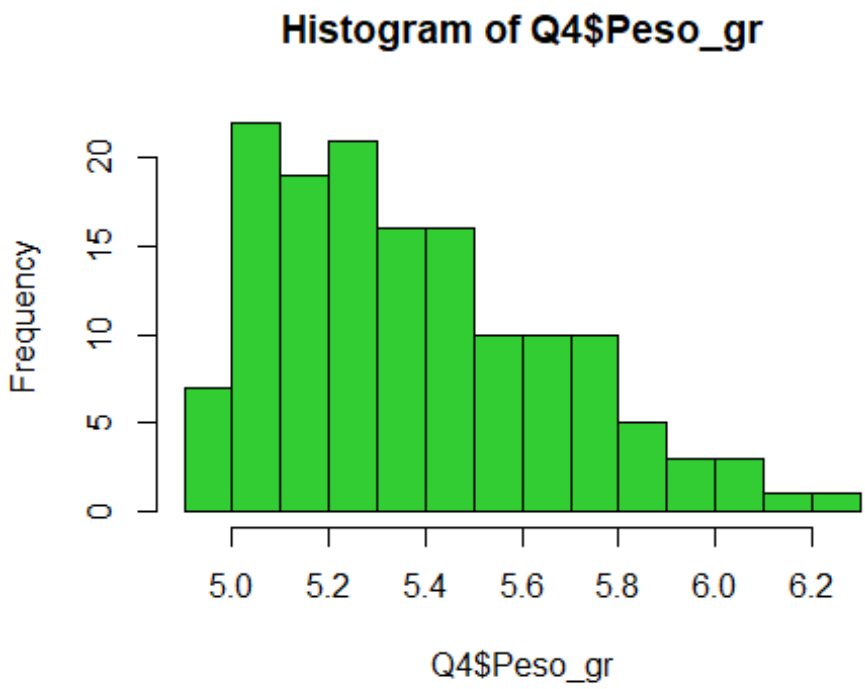

```
shapiro.test(pobre$Peso_gr)

##
##  Shapiro-Wilk normality test
##
## data:  pobre$Peso_gr
## W = 0.81139, p-value = 0.001284

Q1 <- semi%>%
  filter(Cond=="Q1")
hist(Q1$Peso_gr, col = "pink")
```




```
shapiro.test(Q1$Peso_gr)

##
##  Shapiro-Wilk normality test
##
## data:  Q1$Peso_gr
## W = 0.91225, p-value = 3.658e-07

Q3 <-semi%>%
  filter(Cond=="Q3")
hist(Q3$Peso_gr, col = "violet")
```




```
shapiro.test(Q3$Peso_gr)

##
##  Shapiro-Wilk normality test
##
## data:  Q3$Peso_gr
## W = 0.95721, p-value = 8.356e-05

Q4 <-semi%>%
  filter(Cond=="Q4")
hist(Q4$Peso_gr,col = "lime green")
```




```
shapiro.test(Q4$Peso_gr)

##
##  Shapiro-Wilk normality test
##
## data:  Q4$Peso_gr
## W = 0.93727, p-value = 4.99e-06
```