

semana-8.R

Usuario

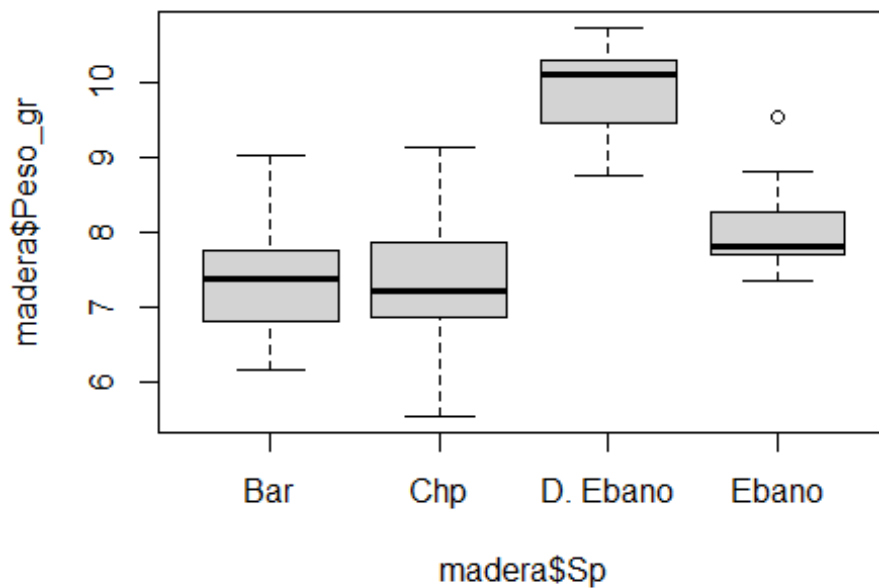
2022-05-25

```
#Clase semana 8
#Revisar datos de madera
#BD maderas

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

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

boxplot(madera$Peso_gr ~ madera$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")

#Comparacion de una media teorica Mu=8.0 para barreta

mean(bar$Peso_gr)

## [1] 7.30712

t.test(bar$Peso_gr, mu=7.4)

##
## One Sample t-test
##
## data: bar$Peso_gr
## t = -1.8641, df = 124, p-value = 0.06468
## alternative hypothesis: true mean is not equal to 7.4
## 95 percent confidence interval:
## 7.20850 7.40574
## sample estimates:
## mean of x
## 7.30712

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

mean(chp$Peso_gr)

## [1] 7.36344

t.test(chp$Peso_gr, mu=7.6)

##
## One Sample t-test
##
## data: chp$Peso_gr
## t = -3.6522, df = 124, p-value = 0.000382
## alternative hypothesis: true mean is not equal to 7.6
## 95 percent confidence interval:
## 7.235239 7.491641
## sample estimates:
## mean of x
## 7.36344

t.test(chp$Peso_gr, mu=7.4)

##
## One Sample t-test

```

```
##
## data:  chp$Peso_gr
## t = -0.56444, df = 124, p-value = 0.5735
## alternative hypothesis: true mean is not equal to 7.4
## 95 percent confidence interval:
##  7.235239 7.491641
## sample estimates:
## mean of x
##    7.36344
```