ClaseS8D2.R

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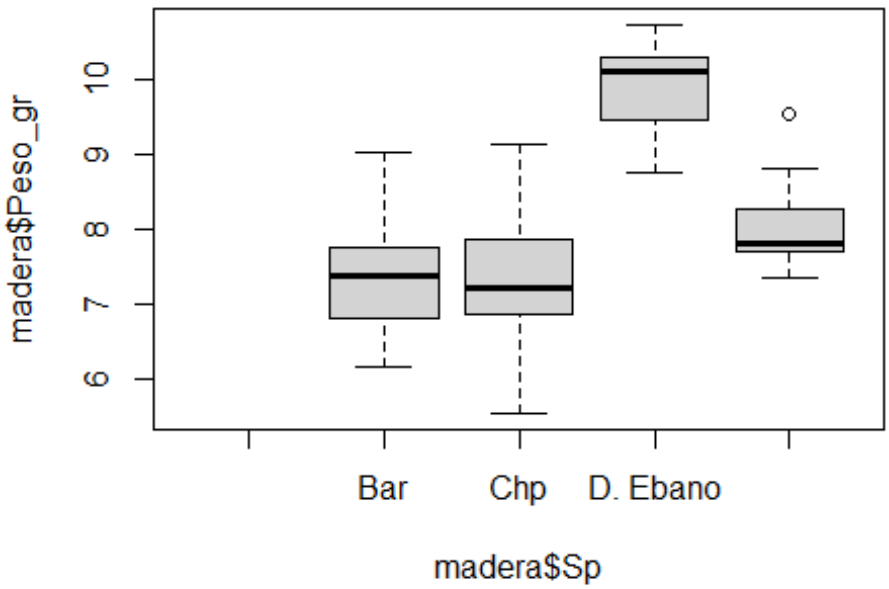
```
#Clase semana 8 dia 2
#10/03/2022
#Revisar datos de madera
#BD maderas


madera <- read.csv("Madera.csv", header = T)
madera$Sp <- as.factor(madera$Sp)

boxplot(madera$Peso_gr ~ madera$Sp)
```




```
library(dplyr)

## Warning: package 'dplyr' was built under R version 4.1.3

##
## 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 para Barreta

mean(bar$Peso_gr)

## [1] 7.30712

t.test(bar$Peso_gr, mu=8)

##
##  One Sample t-test
##
## data:  bar$Peso_gr
## t = -13.906, df = 124, p-value < 2.2e-16
## alternative hypothesis: true mean is not equal to 8
## 95 percent confidence interval:
##  7.20850 7.40574
## sample estimates:
## mean of x
##   7.30712

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