03_Ejercicio_Tarea.R

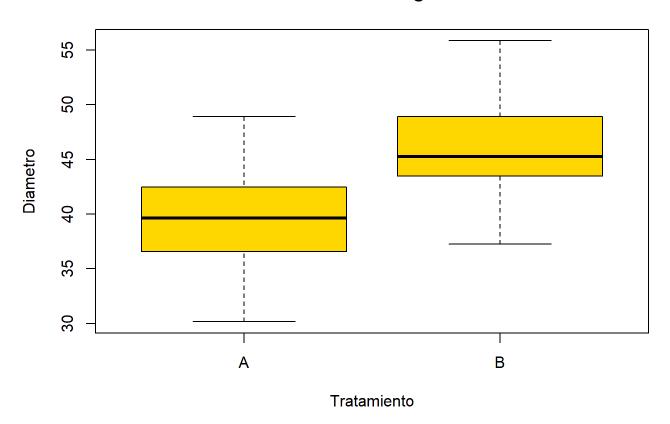
Usuario

2023-10-03

```
# Diego David Flores Cadena
# 05/09/2023
# Matricula: 2070509
setwd("C:/Repositorio_GIT_DiegoFlores/Met.ES/Codigos")
Tarea<-read.csv("Tarea.csv",header = T)</pre>
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
A<-Tarea %>%
 filter(Tratamiento == "A")
B<-Tarea %>%
 filter(Tratamiento == "B")
mean(A$Diametro)
## [1] 39.76467
mean(B$Diametro)
## [1] 45.89167
```

```
Descriptor<-Tarea %>%
  group_by(Tratamiento) %>%
  summarise(
    n=n(),
    media=mean(Diametro),
    mediana=median(Diametro),
    sd=sd(Diametro),
    var=var(Diametro)
)
Descriptor
```

Árboles Diego



t.test(Tarea\$Diametro~Tarea\$Tratamiento,var.equal=T)

```
##
## Two Sample t-test
##
## data: Tarea$Diametro by Tarea$Tratamiento
## t = -5.2103, df = 58, p-value = 2.61e-06
## alternative hypothesis: true difference in means between group A and group B is not equal to
0
## 95 percent confidence interval:
## -8.480898 -3.773102
## sample estimates:
## mean in group A mean in group B
## 39.76467 45.89167
```


#En conclusión los árboles tratados con el fertilizante resultaron perjudicados, ya que, #su diametro es menor que los árboles que no utilizaron fertilizante.