03_prueba_p_una_muestra.R

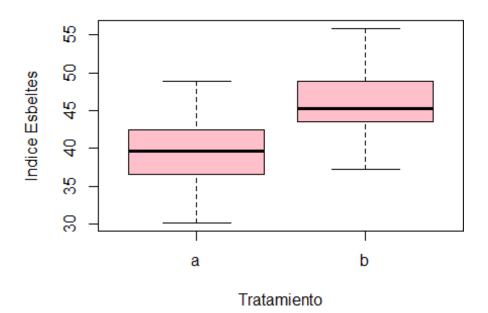
Usuario

2023-09-05

```
# Carlos Mauricio Weinmann Olmedo
# 21/08/2023
# Matricula: 1919780
# Importar datos ------
# Funcion read.csv (sirve para importar datos csv a R)
setwd("C:/Met Es/Codigos")
Plantacion <-read.csv("Tab.csv", header = TRUE)</pre>
# Descriptivas ------
# Usar la libreria dpylr para seleccionar datos mediante
# restricciones
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 <- Plantacion %>%
 filter(Tratamiento == "a")
b <- Plantacion %>%
 filter(Tratamiento == "b")
mean(a$IE)
## Warning in mean.default(a$IE): argument is not numeric or logical:
returning NA
```

```
## [1] NA
mean(b$IE)
## Warning in mean.default(b$IE): argument is not numeric or logical:
returning NA
## [1] NA
Descriptivo <- Plantacion %>%
 group_by(Tratamiento) %>%
 summarise(
          n = n (),
          media = mean(Altura),
          mediana = median(Altura),
          sd = sd(Altura),
          var = var(Altura)
 )
Descriptivo
## # A tibble: 2 × 6
## Tratamiento n media mediana sd var
# Grafica ------
boxplot(Plantacion$Altura ~ Plantacion$Tratamiento,
      xlab = "Tratamiento",
      ylab = "Indice Esbeltes",
       main = "vivero",
      col = "pink")
```

vivero



```
t.test(Plantacion$Altura ~ Plantacion$Tratamiento, var.equal = T)
##
## Two Sample t-test
##
## data: Plantacion$Altura by Plantacion$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
# Conclusiones -----
#Al comparar las graficas a y b en sus tratamientos note que el segundo
tratamiento tenia un desarrollo mas rapido
#Por tanto el segundo tratamiento es mas apto
```