02_Prueba_t_independientes.R

Usuario01

2023-08-28

```
# Karla Cecilia Blanco Vásquez
# 28/08/2023
# Matrícula: 2133639
# Dos tratamientos Ctrl y Fert, un grupo de plantas
# Prueba de t independiente
setwd("C:/Repositorio_Git/Met_ES/Codigos")
vivero <- read.csv("IE.csv", header = T)</pre>
# Descriptivas ------
# Usar la librería dplyr 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
Ctrl <- vivero %>%
 filter(Tratamiento == "Ctrl")
Fert <- vivero %>%
 filter(Tratamiento == "Fert")
mean(Ctrl$IE)
## [1] 0.767619
```

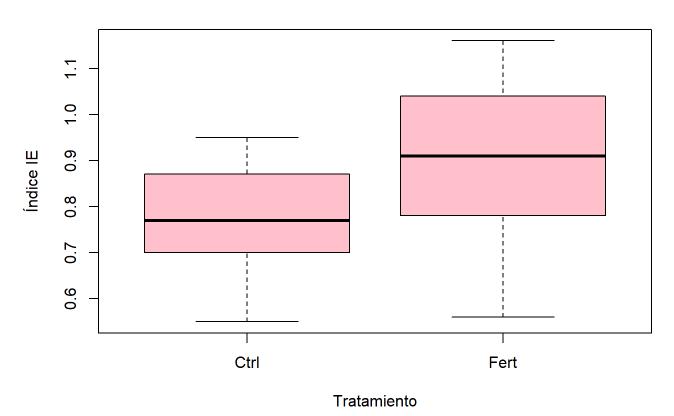
```
mean(Fert$IE)
```

```
## [1] 0.9066667
```

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

Descriptor
```

Vivero



t.test(vivero\$IE ~ vivero\$Tratamiento, var.equal = T)

```
##
## Two Sample t-test
##
## data: vivero$IE by vivero$Tratamiento
## t = -2.9813, df = 40, p-value = 0.004868
## alternative hypothesis: true difference in means between group Ctrl and group Fert is not equ
al to 0
## 95 percent confidence interval:
## -0.23331192 -0.04478332
## sample estimates:
## mean in group Ctrl mean in group Fert
## 0.7676190 0.9066667
```