02_prueba_t_independientes.R

Usuario

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```
#Julieta Gonzalez Cuellar
#28/08/23
#Matricula 2070694

#dos tratamientos ctrl y fert, un grupo de plantas
#prueba de t independientes

# IMPORTAR  ------------------------------------------------------------

setwd ("C:/REPOSITORIO/Met_ES/Scripts")
vivero <- read.csv("IE.csv", header = T)


# DESCRIPTIVAS  ------------------------------------------------------------

#usar la librerua dplyr para seleccionar datos mediante
#restricciones
library(dplyr) #separar las planatas con tratamiento y con fertilizante
```

```
##
## 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
```

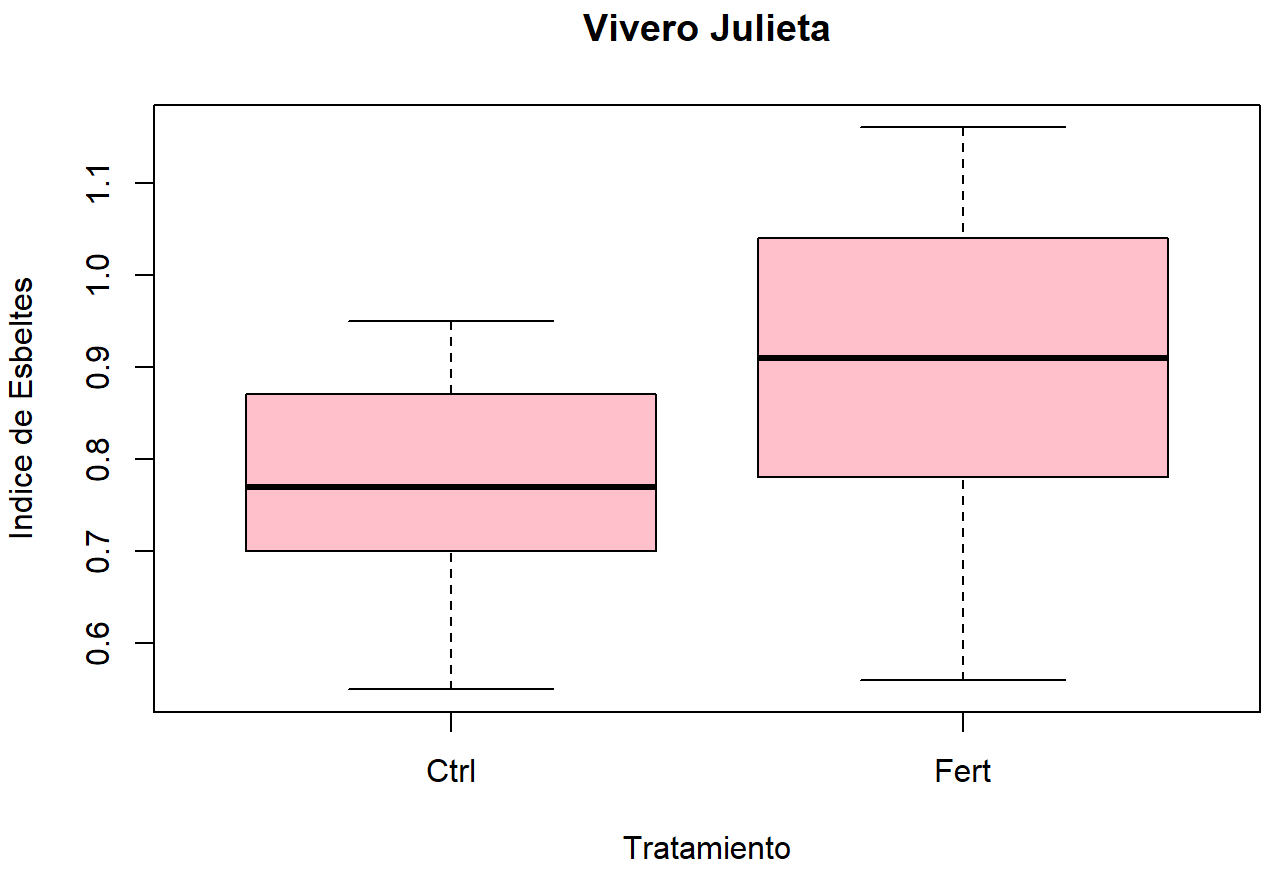
```
mean(Fert$IE)
```

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

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

# Grafica -----------------------------------------------------------------

boxplot(vivero$IE ~ vivero$Tratamiento,
        xlab = "Tratamiento",
        ylab = "Indice de Esbeltes",
        main = "Vivero Julieta",
        col= "Pink")
```




```
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
```