03_Prueba_t_tratamiento.R

Usuario

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```
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# Dos tratamiento, un grupo de plantas
# prueba de t independientes




# importacion de datos ----------------------------------------------------

setwd("C:/Repositorio/Met_ES/codigos")
tratamiento <- read.csv("tratamiento.csv", header = T)


# Descriptivas ------------------------------------------------------------

# usar la libreria dplyr para seleccionar datos mediante rescripciones

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
```

```
TA <-tratamiento %>%
  filter(tratamiento == "TA")

TB <-tratamiento %>%
  filter(tratamiento == "TB")

mean(TA$altura)
```

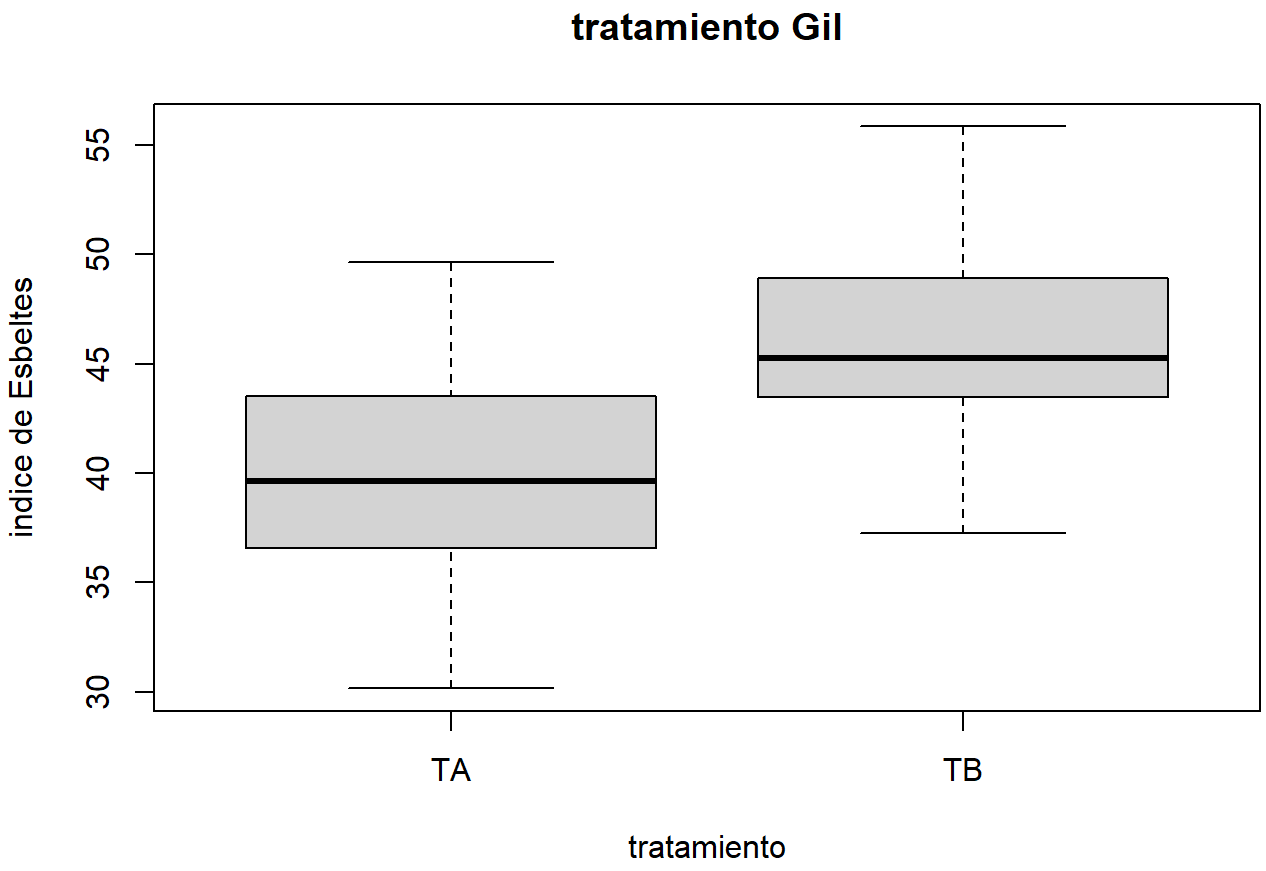
```
## [1] 40.06467
```

```
mean(TB$altura)
```

```
## [1] 45.89067
```

```
# Grafica ----------------------------------------------------------------

boxplot(tratamiento$altura ~ tratamiento$tratamiento,
        xlab = "tratamiento",
        ylab = "indice de Esbeltes",
        main = "tratamiento Gil")
```




```
t.test (tratamiento$altura ~ tratamiento$tratamiento)
```

```
##
##  Welch Two Sample t-test
##
## data:  tratamiento$altura by tratamiento$tratamiento
## t = -4.7709, df = 55.306, p-value = 1.38e-05
## alternative hypothesis: true difference in means between group TA and group TB is not equal t
o 0
## 95 percent confidence interval:
##  -8.27295 -3.37905
## sample estimates:
## mean in group TA mean in group TB
##         40.06467         45.89067
```