script_13R.R

Usuario

2020-03-11

```
# clase 13 11.03.2020
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# importar datos ------------------------------------------------------------
setwd("c:/Tareas/108-Estadistica/clases")

vivero <- read.csv("vivero.csv", header = T)

summary(vivero)
```
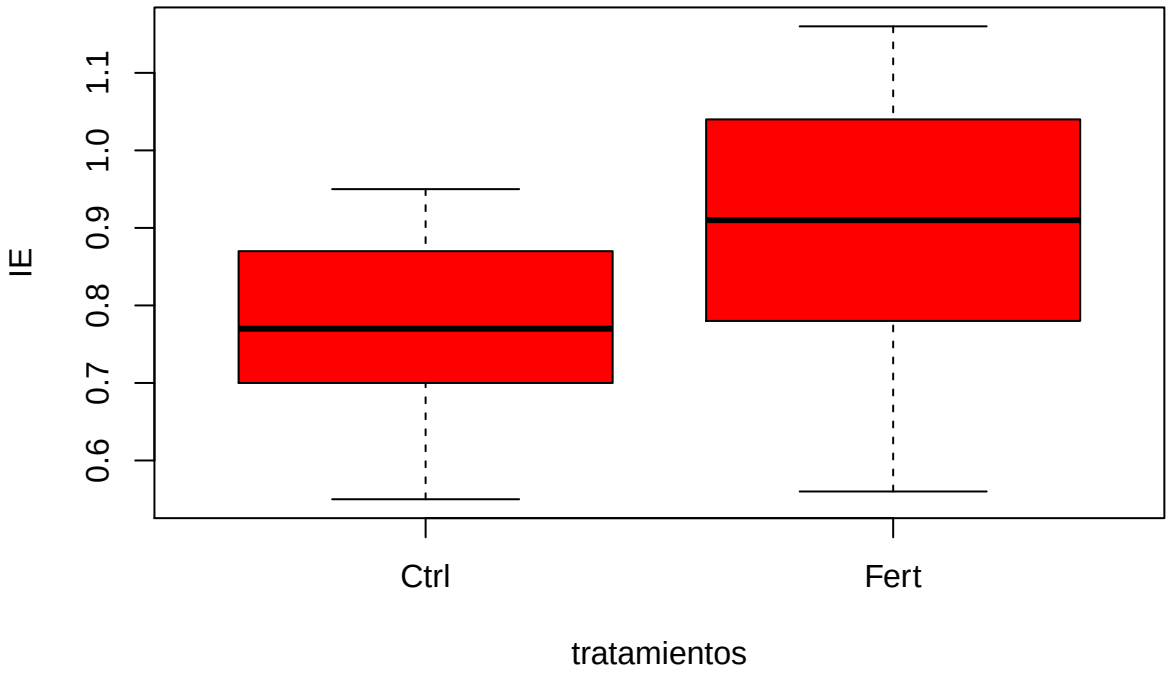

```
##      planta            IE         Tratamiento
##  Min.   : 1.00   Min.   :0.5500   Ctrl:21
##  1st Qu.:11.25   1st Qu.:0.7025   Fert:21
##  Median :21.50   Median :0.7950
##  Mean   :21.50   Mean   :0.8371
##  3rd Qu.:31.75   3rd Qu.:0.9375
##  Max.   :42.00   Max.   :1.1600
```

```
boxplot(vivero$IE ~ vivero$Tratamiento, col="red",
        xlab = "tratamientos", ylab = "IE")
```




```
# prueba de t ------------------------------------------------------------

t.test(vivero$IE ~ vivero$Tratamiento) # aplicamos prueba de T
```

```
##
##  Welch Two Sample t-test
##
## data:  vivero$IE by vivero$Tratamiento
## t = -2.9813, df = 34.056, p-value = 0.00527
## alternative hypothesis: true difference in means is not equal to 0
## 95 percent confidence interval:
##  -0.23382707 -0.04426816
## sample estimates:
## mean in group Ctrl mean in group Fert
##          0.7676190          0.9066667
```

```
t.test(vivero$IE ~ vivero$Tratamiento, var.equal= T) # aplicamos prueba de 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 is not equal to 0
## 95 percent confidence interval:
##  -0.23331192 -0.04478332
## sample estimates:
```

```
## mean in group Ctrl mean in group Fert
##          0.7676190          0.9066667
```