

Script5_prueba_t_dependiente.R

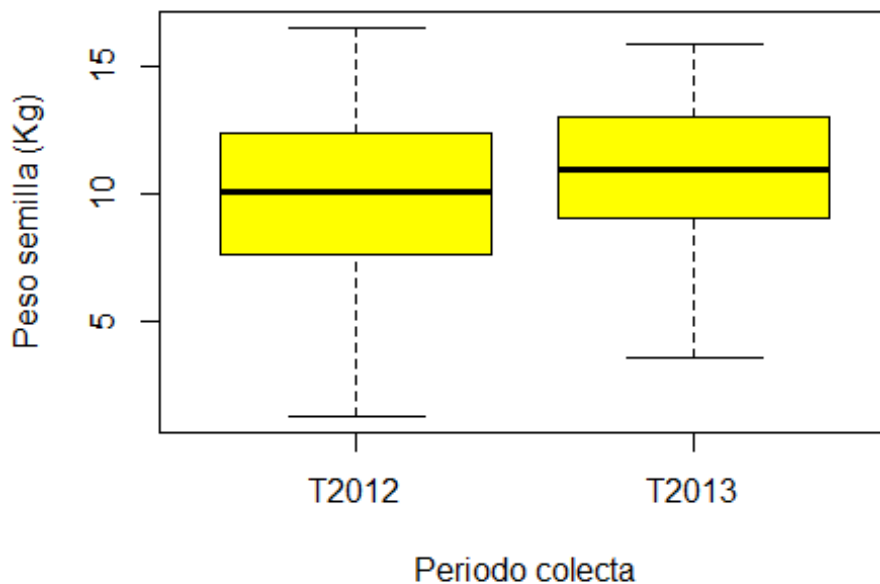
Sofia

2025-04-09

```
# Sofia del Carmen Platas Martinez
# 2070830
# Pruebas de t dependientes
# 09/0/2025

semillas <- read.csv("Produccion.csv", header = T)
semillas$Tiempo <- as.factor(semillas$Tiempo)

boxplot(semillas$Kgsem ~ semillas$Tiempo,
        xlab = "Periodo colecta",
        ylab = "Peso semilla (Kg)",
        col = "yellow")
```



```
tapply(semillas$Kgsem, semillas$Tiempo, mean)

##   T2012   T2013 
## 10.1066 10.8954 

10.1066-10.8954

## [1] -0.7888
```

```
t.test(semillas$Kgsem ~ semillas$Tiempo, paired = T)

##
## Paired t-test
##
## data:  semillas$Kgsem by semillas$Tiempo
## t = -1.2538, df = 49, p-value = 0.2159
## alternative hypothesis: true mean difference is not equal to 0
## 95 percent confidence interval:
##  -2.0530953  0.4754953
## sample estimates:
## mean difference
##      -0.7888
```