

examen.R

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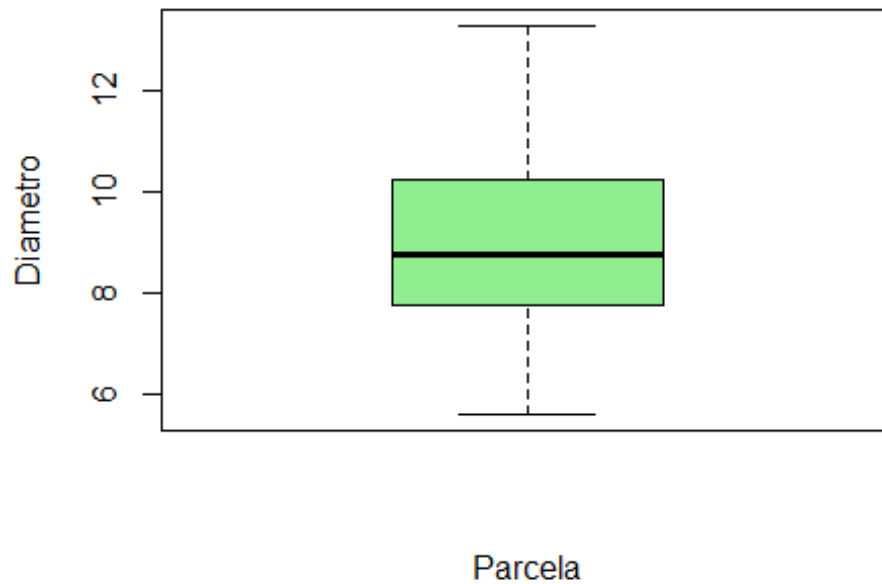
```
# Examen parcial
# Yarely Davila 2133638

parcela <-
read.csv("https://raw.githubusercontent.com/mgtagle/Met_Est_2024/refs/heads/main/Datos_Examen/parcelas.csv", header = T)

# Normalidad de Los datos
shapiro.test(parcela$Diámetro)

##
##  Shapiro-Wilk normality test
##
## data:  parcela$Diámetro
## W = 0.98098, p-value = 0.1583

boxplot(parcela$Diámetro,
        col = "lightgreen",
        xlab = "Parcela",
        ylab = "Diametro")
```



```
t.test(parcela$Diámetro ~ parcela$Parcelas, paired = T, alternative =
"less")

##
## Paired t-test
##
## data: parcela$Diámetro by parcela$Parcelas
## t = -2.3501, df = 49, p-value = 0.01142
## alternative hypothesis: true mean difference is less than 0
## 95 percent confidence interval:
##      -Inf -0.2516385
## sample estimates:
## mean difference
##      -0.878
```