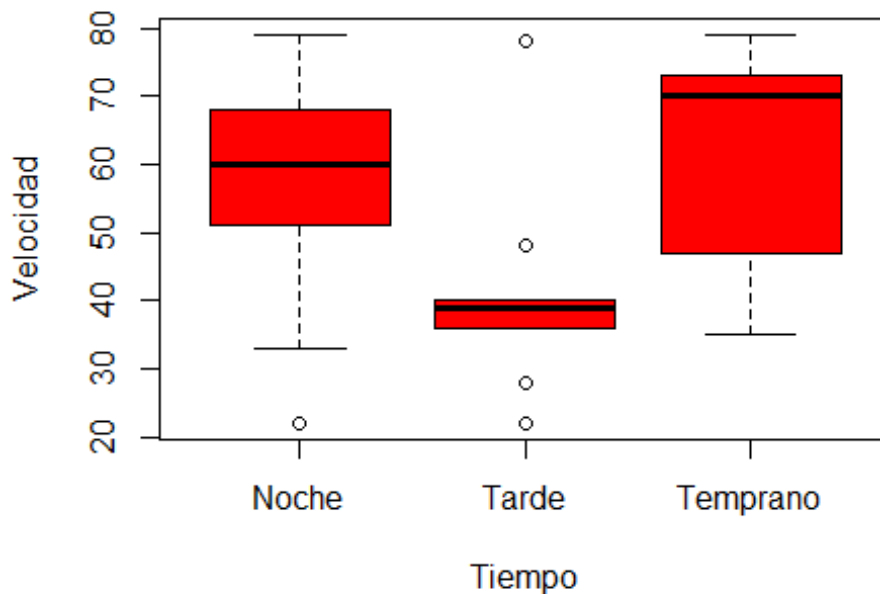# Script_Internet.-R.R

Supervisor

2025-05-21

```r
# Tamara Martínez Martínez
# 2067694
# 21/05/2025

internet <- read.csv("Internet.csv",  header = T)
internet$Tiempo <- as.factor(internet$Tiempo)
boxplot(internet$Velocidad ~ internet$Tiempo,
        xlab = "Tiempo",
        ylab = "Velocidad",
        col= "Red")
```



```r
tapply(internet$Velocidad, internet$Tiempo, mean)
```

```
##    Noche    Tarde Temprano
## 56.22222 40.77778 59.55556
```

```r
tapply(internet$Velocidad, internet$Tiempo, var)
```

```
##    Noche    Tarde Temprano
## 349.4444 249.6944 337.2778

shapiro.test(internet$Velocidad)

##
##  Shapiro-Wilk normality test
##
## data:  internet$Velocidad
## W = 0.91976, p-value = 0.03895

bartlett.test(internet$Velocidad ~ internet$Tiempo)

##
##  Bartlett test of homogeneity of variances
##
## data:  internet$Velocidad by internet$Tiempo
## Bartlett's K-squared = 0.24901, df = 2, p-value = 0.8829

internet$Vel.sqrt <- sqrt(internet$Velocidad)
shapiro.test(internet$Vel.sqrt)

##
##  Shapiro-Wilk normality test
##
## data:  internet$Vel.sqrt
## W = 0.92758, p-value = 0.06031

in.aov <- aov(internet$Vel.sqrt ~ internet$Tiempo)
summary(in.aov)

##                  Df Sum Sq Mean Sq F value Pr(>F)
## internet$Tiempo  2    9.11   4.554   2.889 0.0751 .
## Residuals       24   37.83   1.576
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```