# Examen-ANOVA.R

Usuario

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```
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#Examen 3 ANOVA y Tuckey

#Ejercicio
fertilizante_A <- c(12, 15, 14, 10, 13, 11, 16, 12, 14, 13, 12, 15, 14,
10, 11)
fertilizante_B <- c(20, 22, 19, 21, 23, 22, 20, 19, 21, 20, 22, 23, 19,
21, 22)
fertilizante_C <- c(16, 17, 18, 15, 14, 16, 17, 18, 15, 14, 16, 17, 18,
15, 14)
Planta <- seq_along(1:45)

#Data frame
datos <- data.frame(Planta = Planta,
                    Tiempo = c(fertilizante_A, fertilizante_B,
fertilizante_C),
                    Fertilizante = factor(rep(c("FA", "FB", "FC"), each =
15)))
shapiro.test(datos$Planta)

##
##  Shapiro-Wilk normality test
##
## data:  datos$Planta
## W = 0.95585, p-value = 0.08479

par.aov <- aov(datos$Tiempo ~ datos$Planta)
summary(par.aov)

##              Df Sum Sq Mean Sq F value Pr(>F)
## datos$Planta  1   63.5   63.46   5.002 0.0306 *
## Residuals    43  545.5   12.69
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```