**Ejemplo**

Loc1 <- c(78, 88, 87, 88, 83, 82, 81, 80, 80, 89)

Loc2 <- c(78, 78, 83, 81, 78, 81, 82, 76, 76)

Loc3 <- c(79, 73, 79, 75, 77, 78, 80, 78, 83, 84)

Loc4 <- c(77, 69, 75, 70, 74, 83, 80)

Peso <- c(78, 88, 87, 88, 83, 82, 81, 80, 80, 89, 78, 78, 83, 81, 78, 81, 82, 76, 76, 79, 73, 79, 75, 77, 78, 80, 78, 83, 84, 77, 69, 75, 70, 74, 83, 80)

Block <- c(rep(1,length(Loc1)), rep(2,length(Loc2)), rep(3,length(Loc3)), rep(4,length(Loc4)))

Block <- factor(Block)

boxplot(Peso ~ Block)

**anova.fit <- aov(Peso ~ Block)**

**summary(anova.fit)**

Df Sum Sq Mean Sq F value Pr(>F)

Block 3 292.9 97.63 6.911 0.00102 \*\*

Residuals 32 452.1 14.13

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Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

**TukeyHSD(anova.fit)**

Tukey multiple comparisons of means

95% family-wise confidence level

Fit: aov(formula = Peso ~ Block)

$Block

diff lwr upr p adj

2-1 -4.3777778 -9.056748 0.3011927 0.0733756

3-1 -5.0000000 -9.554175 -0.4458245 0.0269995

4-1 -8.1714286 -13.189885 -3.1529716 0.0006022

3-2 -0.6222222 -5.301193 4.0567483 0.9836953

4-2 -3.7936508 -8.925625 1.3383236 0.2081582

4-3 -3.1714286 -8.189885 1.8470284 0.3341991

**plot(TukeyHSD(anova.fit))**

boxplot(Peso ~ Block) plot(TukeyHSD(anova.fit))

 