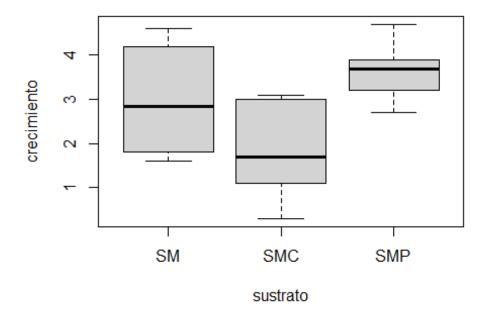
EXxperimento_sofi.R

Erik Manuel Aldape Becerra

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```
tapply (crec$CRECIMIENTO, crec$SUSTRATO, mean)

## SM SMC SMP

## 3.00 1.82 3.63

tapply (crec$CRECIMIENTO, crec$SUSTRATO,var)

## SM SMC SMP

## 1.2933333 0.9662222 0.3067778

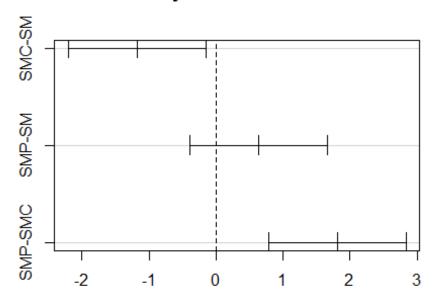
shapiro.test (crec$CRECIMIENTO)

##

## Shapiro-Wilk normality test
```

```
##
## data: crec$CRECIMIENTO
## W = 0.96464, p-value = 0.4046
bartlett.test(crec$CRECIMIENTO~crec$SUSTRATO)
##
##
   Bartlett test of homogeneity of variances
##
## data: crec$CRECIMIENTO by crec$SUSTRATO
## Bartlett's K-squared = 4.2056, df = 2, p-value = 0.1221
crec.aov <- aov(crec$CRECIMIENTO~crec$SUSTRATO)</pre>
summary(crec.aov)
##
                 Df Sum Sq Mean Sq F value
                                             Pr(>F)
## crec$SUSTRATO 2 16.89
                             8.442
                                     9.869 0.000607 ***
## Residuals
                27 23.10
                             0.855
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
TukeyHSD(crec.aov)
##
     Tukey multiple comparisons of means
       95% family-wise confidence level
##
##
## Fit: aov(formula = crec$CRECIMIENTO ~ crec$SUSTRATO)
##
## $`crec$SUSTRATO`
##
            diff
                        lwr
                                   upr
                                           p adj
## SMC-SM -1.18 -2.2055589 -0.1544411 0.0216835
## SMP-SM
            0.63 -0.3955589
                            1.6555589 0.2962551
## SMP-SMC 1.81 0.7844411 2.8355589 0.0004638
plot(TukeyHSD(crec.aov))
```

95% family-wise confidence level



Differences in mean levels of crec\$SUSTRATO

```
tapply(crec$CRECIMIENTO, crec$SUSTRATO, length)
```

SM SMC SMP ## 10 10 10