Análisis de datos exploratorio

Paz_Caballero

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```
## # A tibble: 6 x 12
##   Especie Localidad Etiqueta Tratamiento `Dias Trat.` Largo Ancho `Peso Boyante`
##   <fct>   <fct>        <dbl> <fct>               <dbl> <dbl> <dbl>          <dbl>
## 1 Scurri~ Talcaruca       63 500                    15  13.7  11.6          0.113
## 2 Scurri~ Talcaruca       66 500                    15  20.6  17.2          0.407
## 3 Scurri~ Talcaruca       67 500                    15  15.0  12.9          0.164
## 4 Scurri~ Talcaruca       15 500                    15  33.4  27.5          1.86
## 5 Scurri~ Talcaruca       55 500                    15  19.1  15.3          0.370
## 6 Scurri~ Talcaruca       26 500                    15  15.4  14.8          0.195
## # ... with 4 more variables: Pendiente <dbl>, Tiempo <dttm>, ml_g_h 14C <dbl>,
## #   mgO2_h_1_g_1 <dbl>
```

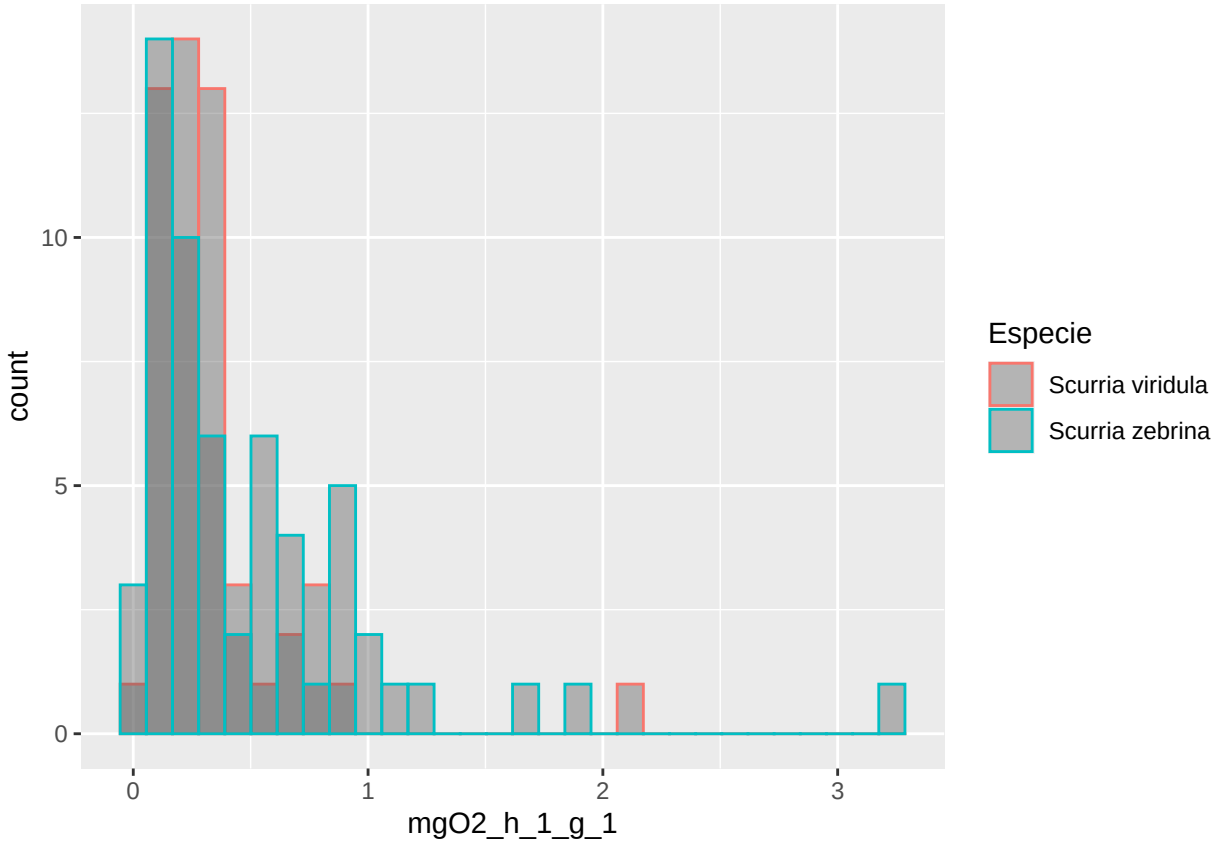
```
## # A tibble: 6 x 12
##   Especie Localidad Etiqueta Tratamiento `Dias Trat.` Largo Ancho `Peso Boyante`
##   <fct>   <fct>        <dbl> <fct>               <dbl> <dbl> <dbl>          <dbl>
## 1 Scurri~ Los Moll~       25 1500                    45  23.1  19.7          0.207
## 2 Scurri~ Los Moll~       57 1500                    45  25.0  21.4          1.18
## 3 Scurri~ Los Moll~        1 1500                    45  22.7  20.2          0.670
## 4 Scurri~ Los Moll~       57 1500                    45  14.0  12.3          0.186
## 5 Scurri~ Los Moll~       39 1500                    45  15.3  13.4          0.641
## 6 Scurri~ Los Moll~       66 1500                    45  22.4  20.0          0.397
## # ... with 4 more variables: Pendiente <dbl>, Tiempo <dttm>, ml_g_h 14C <dbl>,
## #   mgO2_h_1_g_1 <dbl>
```

```
##              Especie        Localidad     Etiqueta      Tratamiento
##  Scurria viridula:52   Los Molles:49   Min.   :  1.00   500 :36
##  Scurria zebrina :58   Talcaruca :61   1st Qu.: 25.00   800 :36
##                                        Median : 48.00   1500:38
##                                        Mean   : 49.58
##                                        3rd Qu.: 63.75
##                                        Max.   :351.00
##    Dias Trat.        Largo           Ancho        Peso Boyante
##  Min.   :15.00   Min.   :12.87   Min.   :10.74   Min.   :0.1129
##  1st Qu.:15.00   1st Qu.:18.39   1st Qu.:15.99   1st Qu.:0.3608
##  Median :30.00   Median :23.06   Median :20.20   Median :0.7285
##  Mean   :25.64   Mean   :23.27   Mean   :20.37   Mean   :0.7567
##  3rd Qu.:30.00   3rd Qu.:27.74   3rd Qu.:24.16   3rd Qu.:1.0638
##  Max.   :45.00   Max.   :35.23   Max.   :32.74   Max.   :1.8560
##    Pendiente           Tiempo                      ml_g_h 14C
##  Min.   :0.01040   Min.   :1899-12-31 00:13:00   Min.   :0.08199
##  1st Qu.:0.01760   1st Qu.:1899-12-31 00:16:15   1st Qu.:0.13876
##  Median :0.02090   Median :1899-12-31 00:19:07   Median :0.16478
##  Mean   :0.02485   Mean   :1899-12-31 00:20:23   Mean   :0.19590
##  3rd Qu.:0.02838   3rd Qu.:1899-12-31 00:24:07   3rd Qu.:0.22371
```

```
##  Max.   :0.08550   Max.   :1899-12-31 00:33:15   Max.   :0.67408
##   mgO2_h_1_g_1
##  Min.   :0.01307
##  1st Qu.:0.14230
##  Median :0.27614
##  Mean   :0.42262
##  3rd Qu.:0.57602
##  Max.   :3.24390
```

```
## tibble [110 x 12] (S3: tbl_df/tbl/data.frame)
##  $ Especie     : Factor w/ 2 levels "Scurria viridula",..: 2 2 2 2 2 2 1 1 1 1 ...
##  $ Localidad   : Factor w/ 2 levels "Los Molles","Talcaruca": 2 2 2 2 2 2 2 2 2 2 ...
##  $ Etiqueta    : num [1:110] 63 66 67 15 55 26 68 15 69 74 ...
##  $ Tratamiento : Factor w/ 3 levels "500","800","1500": 1 1 1 1 1 1 1 1 1 1 ...
##  $ Dias Trat.  : num [1:110] 15 15 15 15 15 15 15 15 15 15 ...
##  $ Largo       : num [1:110] 13.7 20.6 15 33.4 19.1 ...
##  $ Ancho       : num [1:110] 11.7 17.2 12.9 27.5 15.3 ...
##  $ Peso Boyante: num [1:110] 0.113 0.407 0.164 1.856 0.37 ...
##  $ Pendiente   : num [1:110] 0.018 0.0284 0.0175 0.0184 0.031 0.0189 0.0302 0.0184 0.0855 0.0609 ...
##  $ Tiempo      : POSIXct[1:110], format: "1899-12-31 00:15:00" "1899-12-31 00:17:15" ...
##  $ ml_g_h 14C  : num [1:110] 0.142 0.224 0.138 0.145 0.244 ...
##  $ mgO2_h_1_g_1: num [1:110] 1.257 0.5507 0.8397 0.0782 0.6611 ...
```

Para saber si mis datos tienen una distribución normal



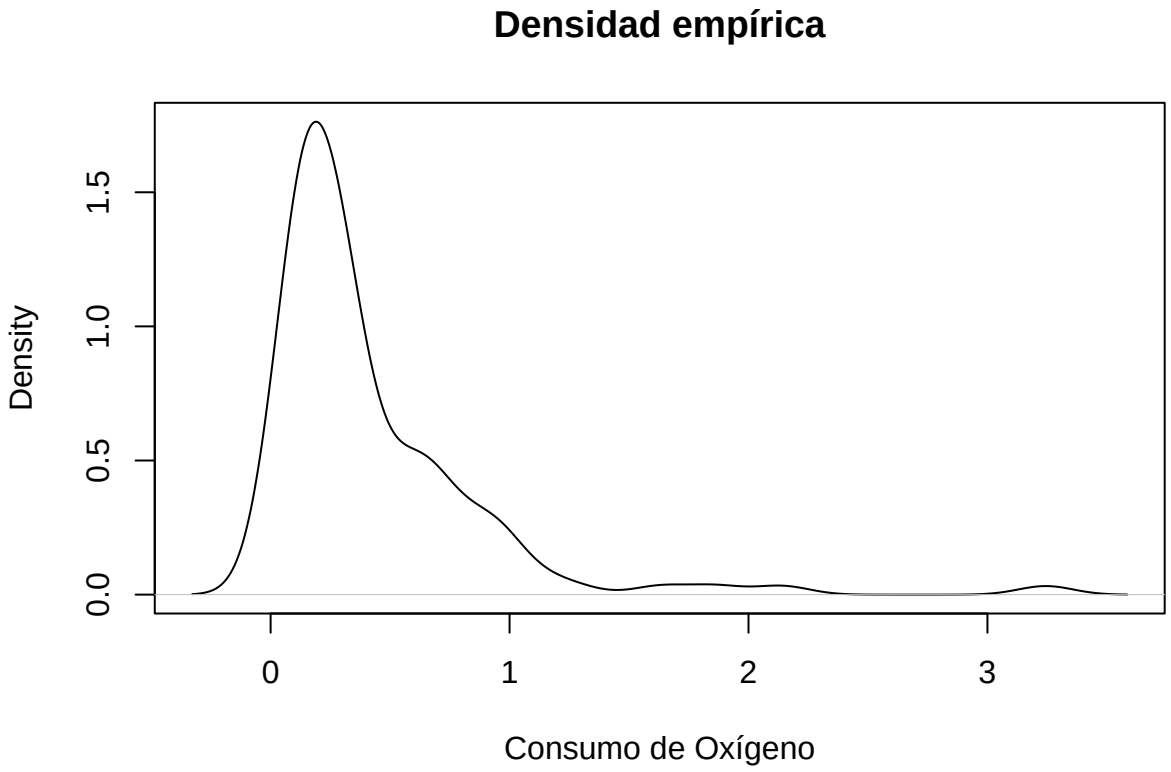
Según el histograma mis datos no tienen una distribución normal

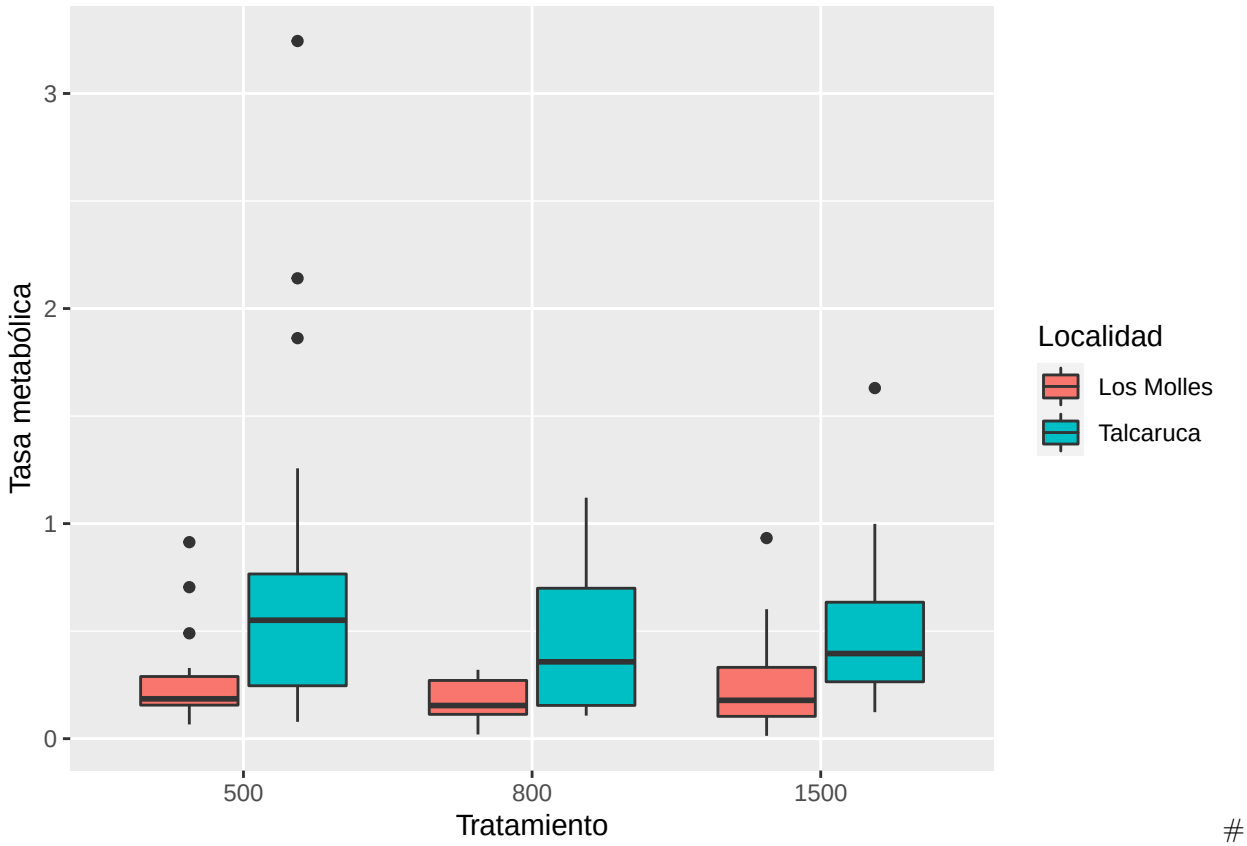
```
## [1] 0.4226234
```

```
## [1] 0.4615397
```

```
## [1] 0.01306658 3.24389798
```

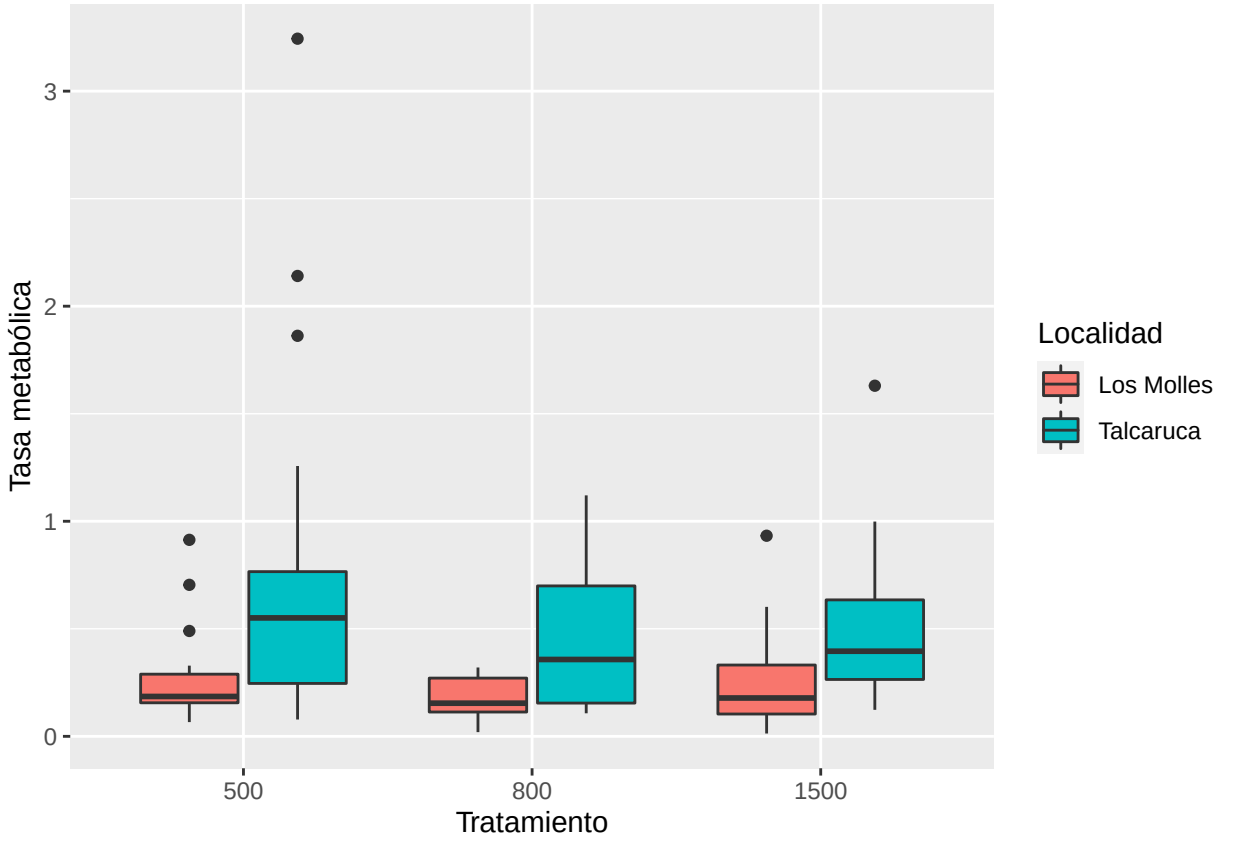
```
##          0%         25%         50%         75%        100%
## 0.01306658 0.14230309 0.27613837 0.57601902 3.24389798
```

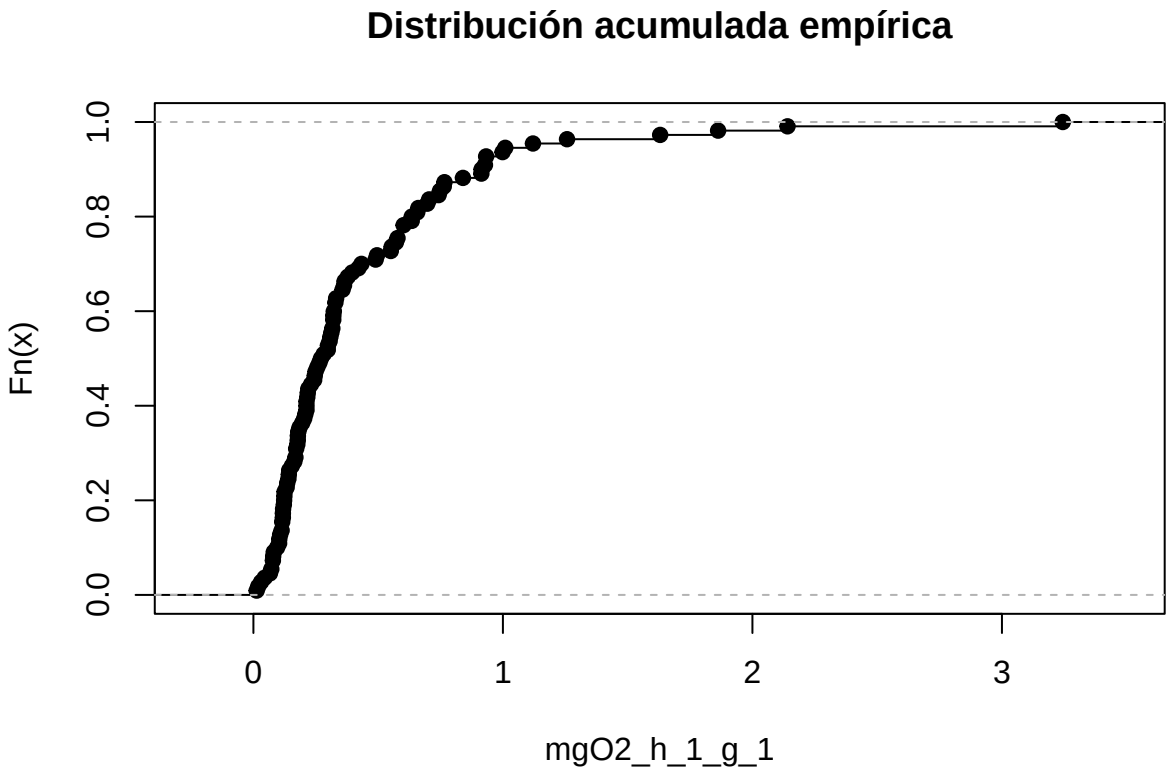




#

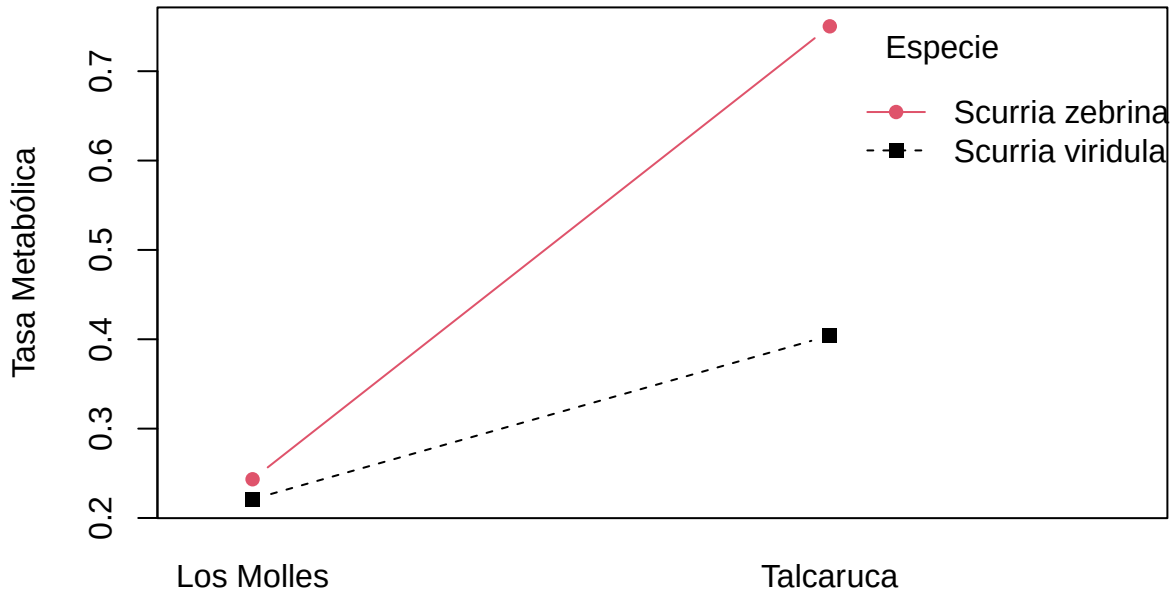
Descripción de mi gráfico



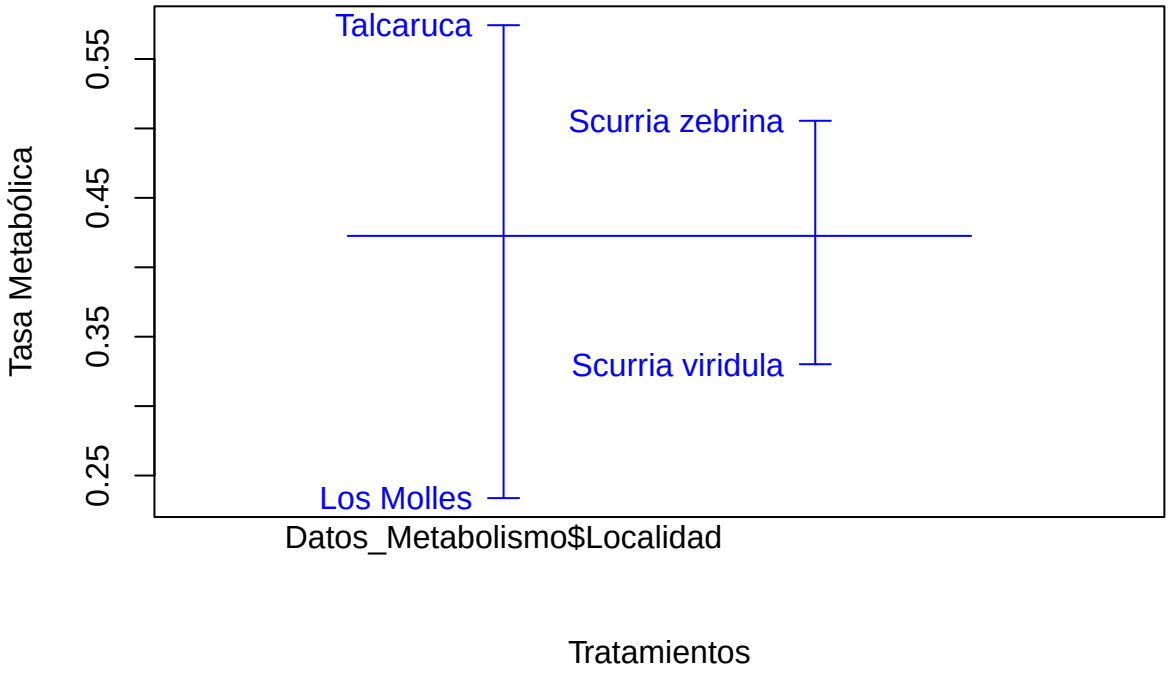


#

Agregar descripción de mi gráfico



Mis datos muestran interacción



#Hay mayor variabilidad entre localidades

Table 1: Media y varianza de Tasa metabólica

Localidad	Especie	media	varianza
Los Molles	Scurria viridula	0.2209761	0.0326127
Los Molles	Scurria zebrina	0.2433236	0.0458745
Talcaruca	Scurria viridula	0.4041385	0.1422985
Talcaruca	Scurria zebrina	0.7502240	0.4163771