

Análisis de datos exploratorio

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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 <dtm>, ml_g_h 14C <dbl>,
## #   mg02_h_1_g_1 <dbl>

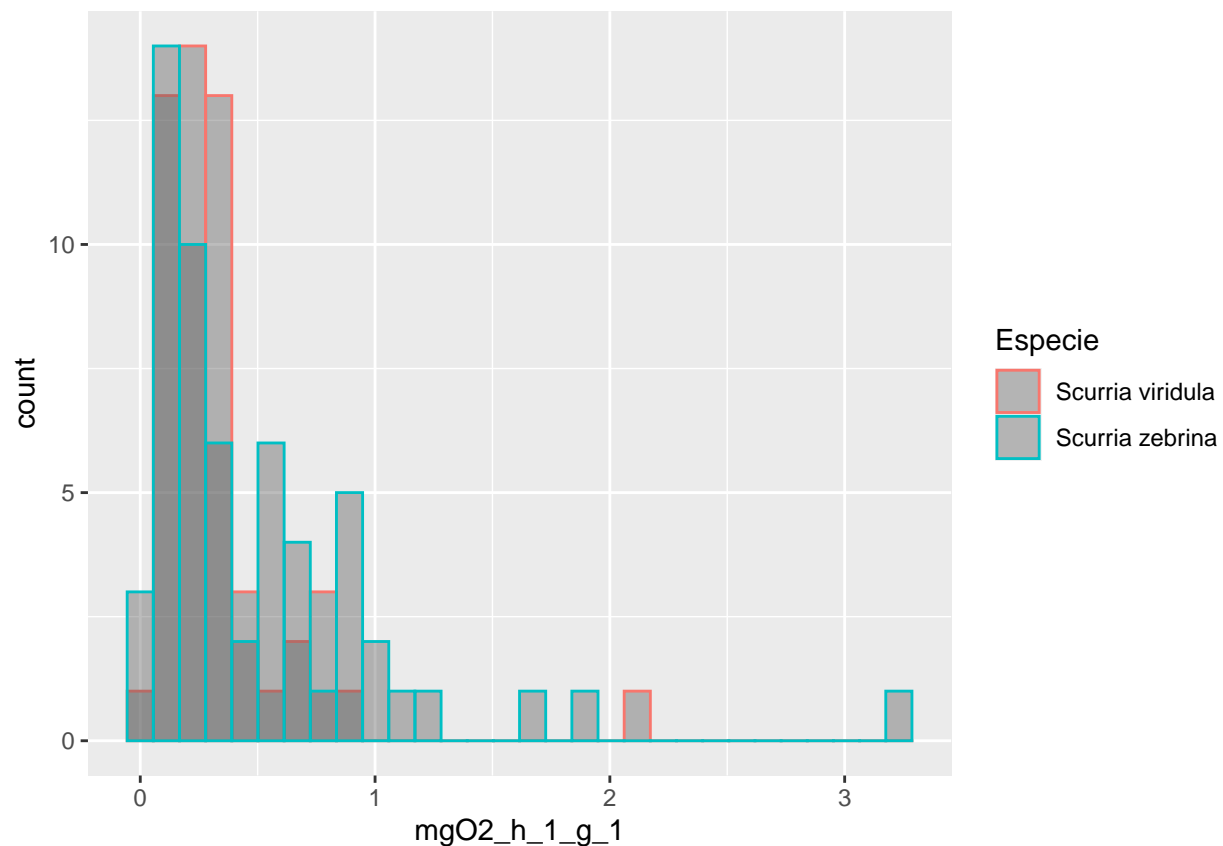
## # A tibble: 6 x 12
##   Especie Localidad Etiqueta Tratamiento `Dias Trat.` Largo Ancho `Peso Boyante`
##   <fct>   <fct>       <dbl> <fct>          <dbl> <dbl> <dbl>          <dbl>
## 1 Scurri~ Los Moll~      25 1500             45 23.1 19.7          0.207
## 2 Scurri~ Los Moll~      57 1500             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 <dtm>, ml_g_h 14C <dbl>,
## #   mg02_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
```

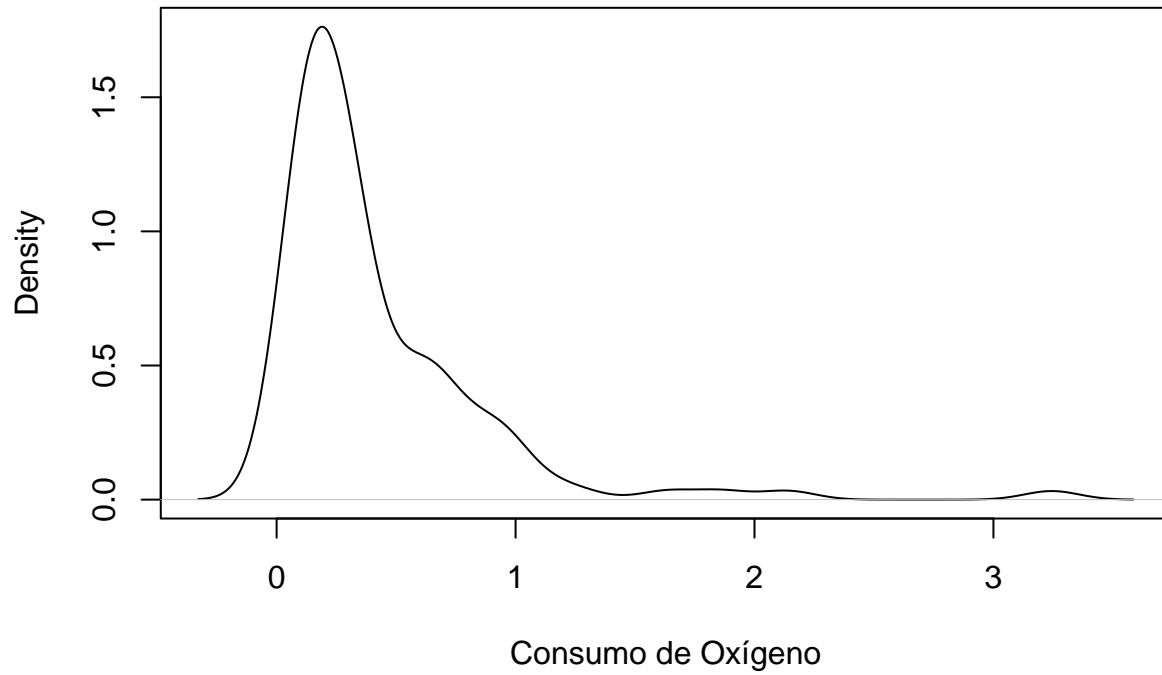
```
## [1] 0.4615397
```

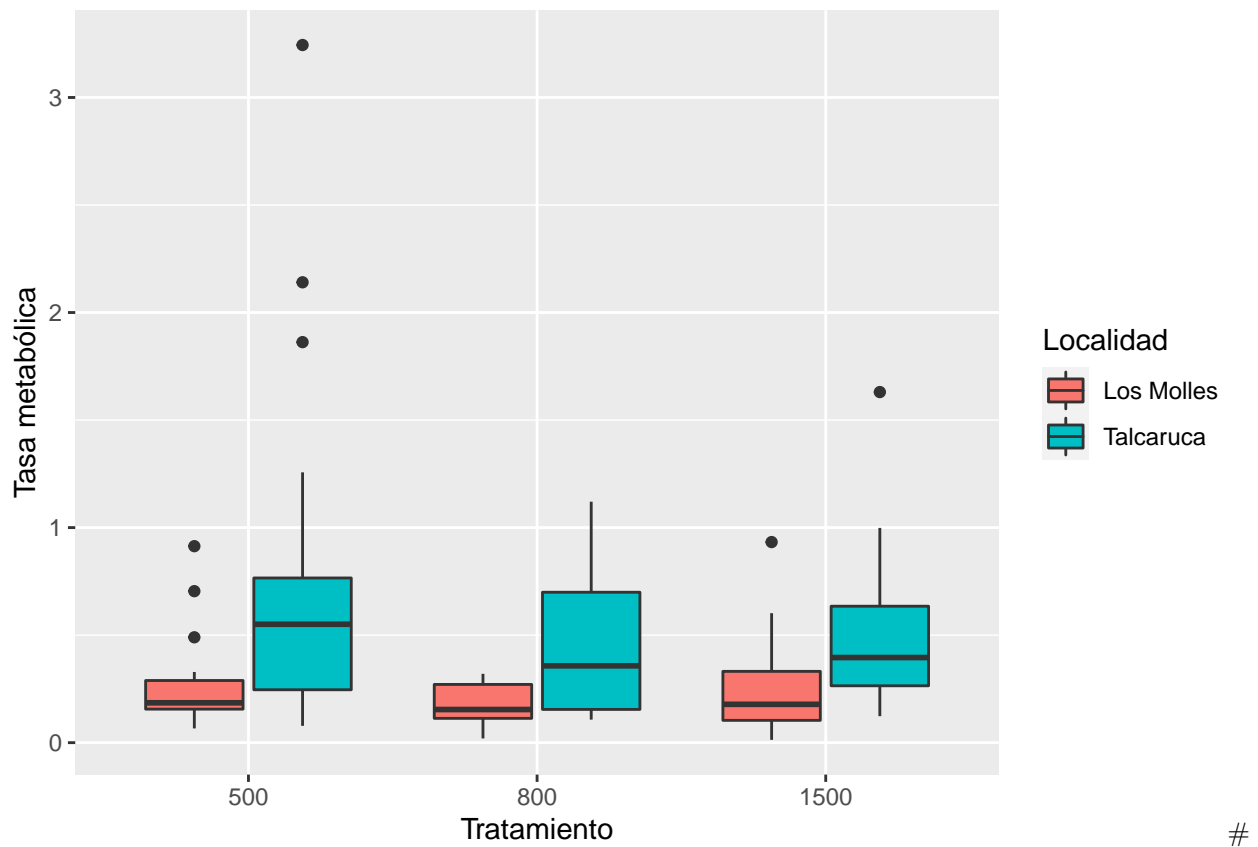
```
## [1] 0.01306658 3.24389798
```

```
##          0%          25%          50%          75%          100%
```

```
## 0.01306658 0.14230309 0.27613837 0.57601902 3.24389798
```

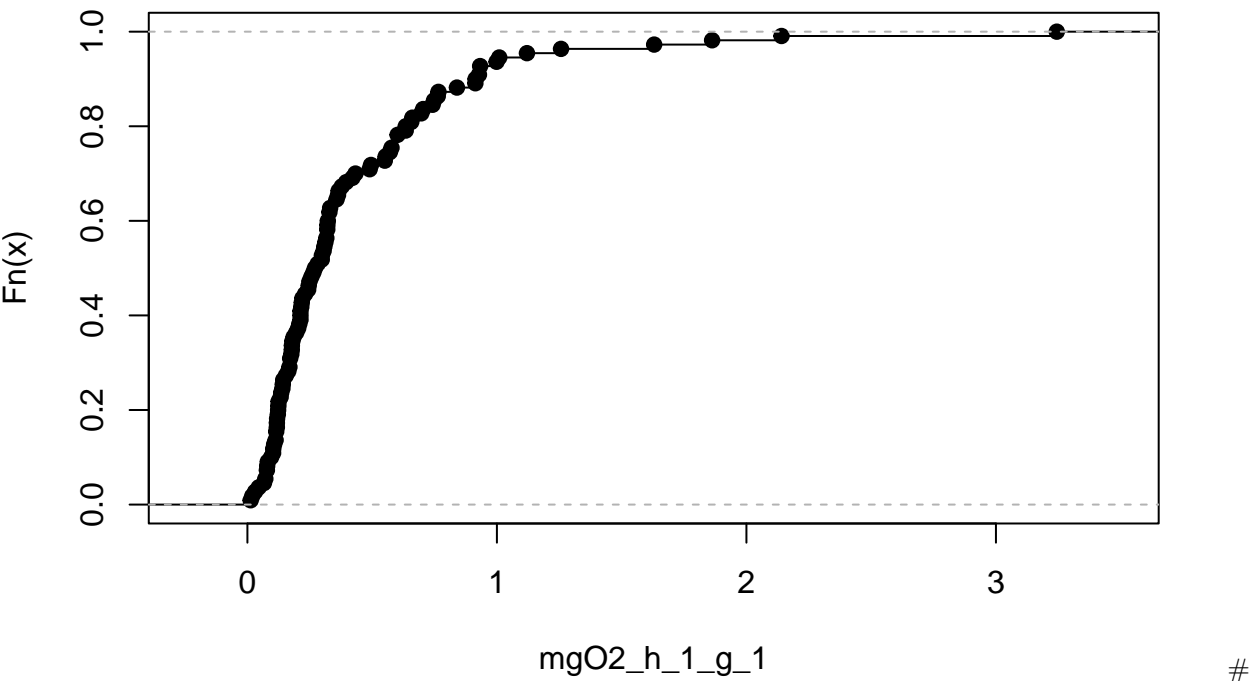
Densidad empírica



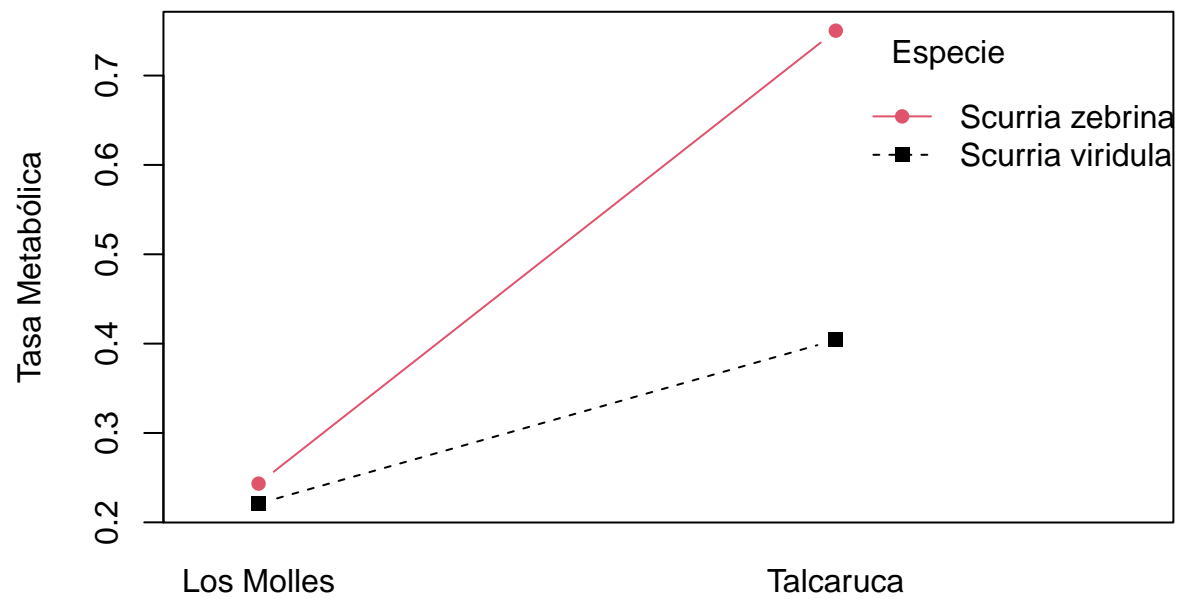


Descripción de mi gráfico

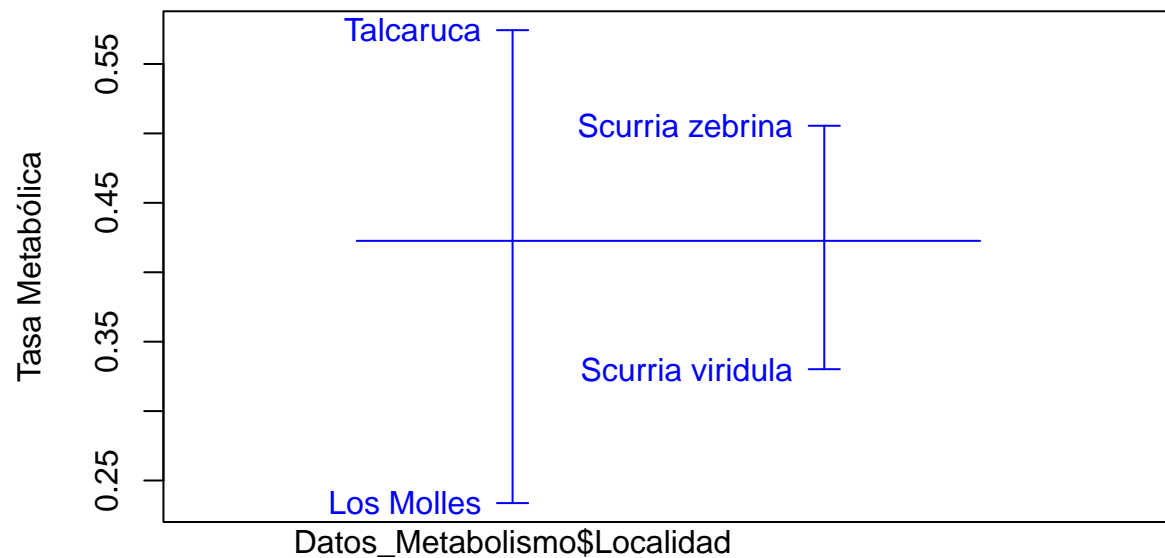
Distribución acumulada empírica



Agregar descripción de mi gráfico



Mis datos muestran interacción



Tratamientos

`summarise()` has grouped output by 'Localidad'. You can override using the `.groups` argument.

Table 1: Media y varianza de Tasa metabólica

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