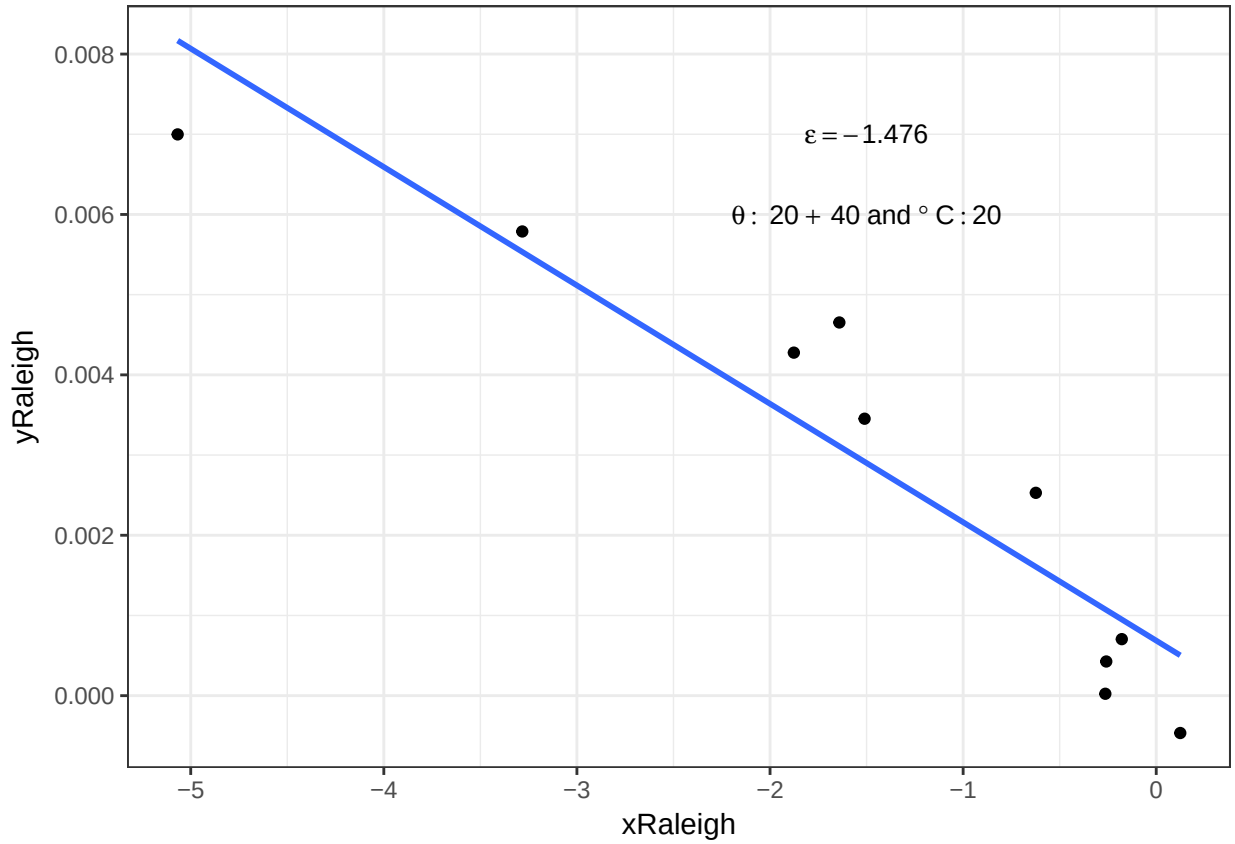
Lab Enrichment

PAZ

26 septembre 2017

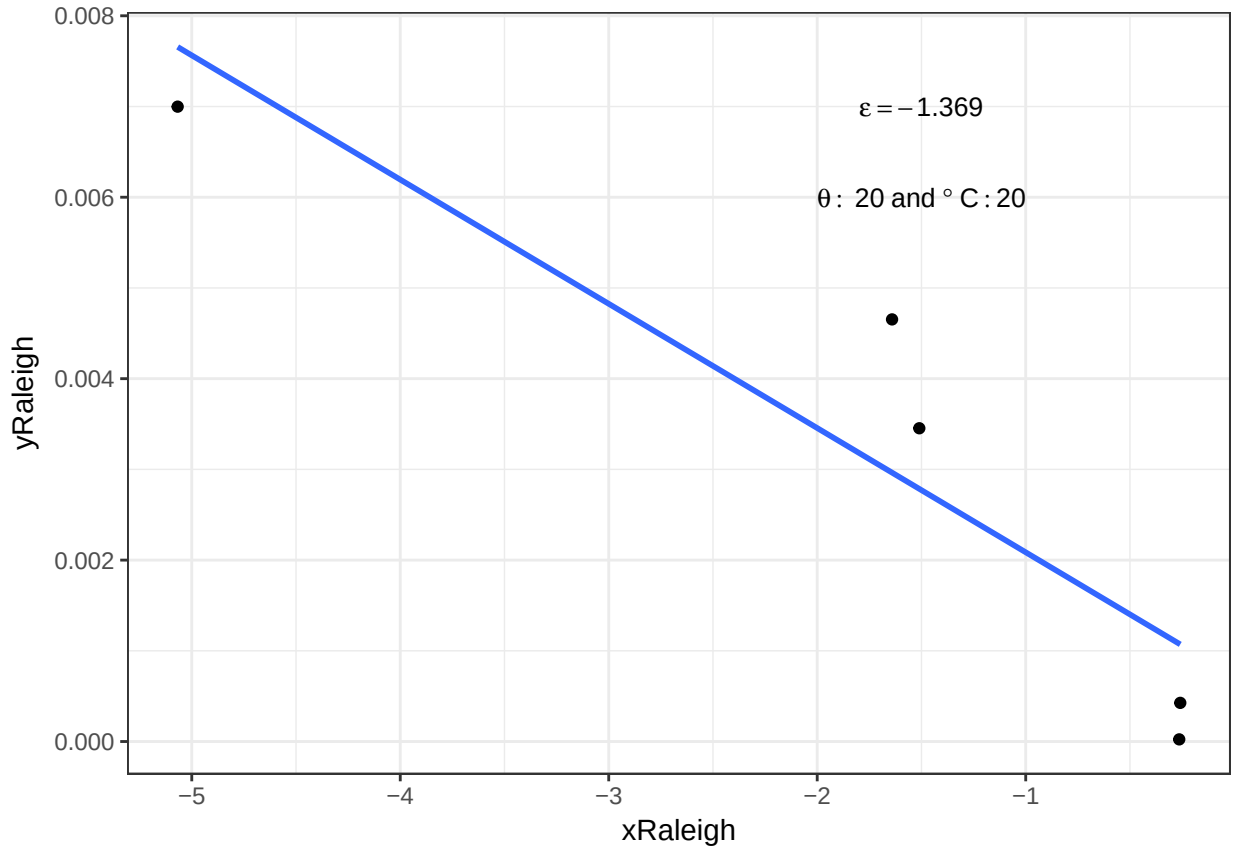
Rayleigh (20 °C, θ: 20 & 40)




```
##
## Call:
## lm(formula = yRaleigh ~ xRaleigh, data = bio)
##
## Residuals:
##        Min         1Q     Median         3Q        Max
## -1.170e-03 -8.870e-04  4.850e-06  7.493e-04  1.544e-03
##
## Coefficients:
##               Estimate Std. Error t value Pr(>|t|)
## (Intercept)  0.0006866  0.0004370   1.571    0.155
## xRaleigh    -0.0014763  0.0002048  -7.208 9.17e-05 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.001009 on 8 degrees of freedom
```

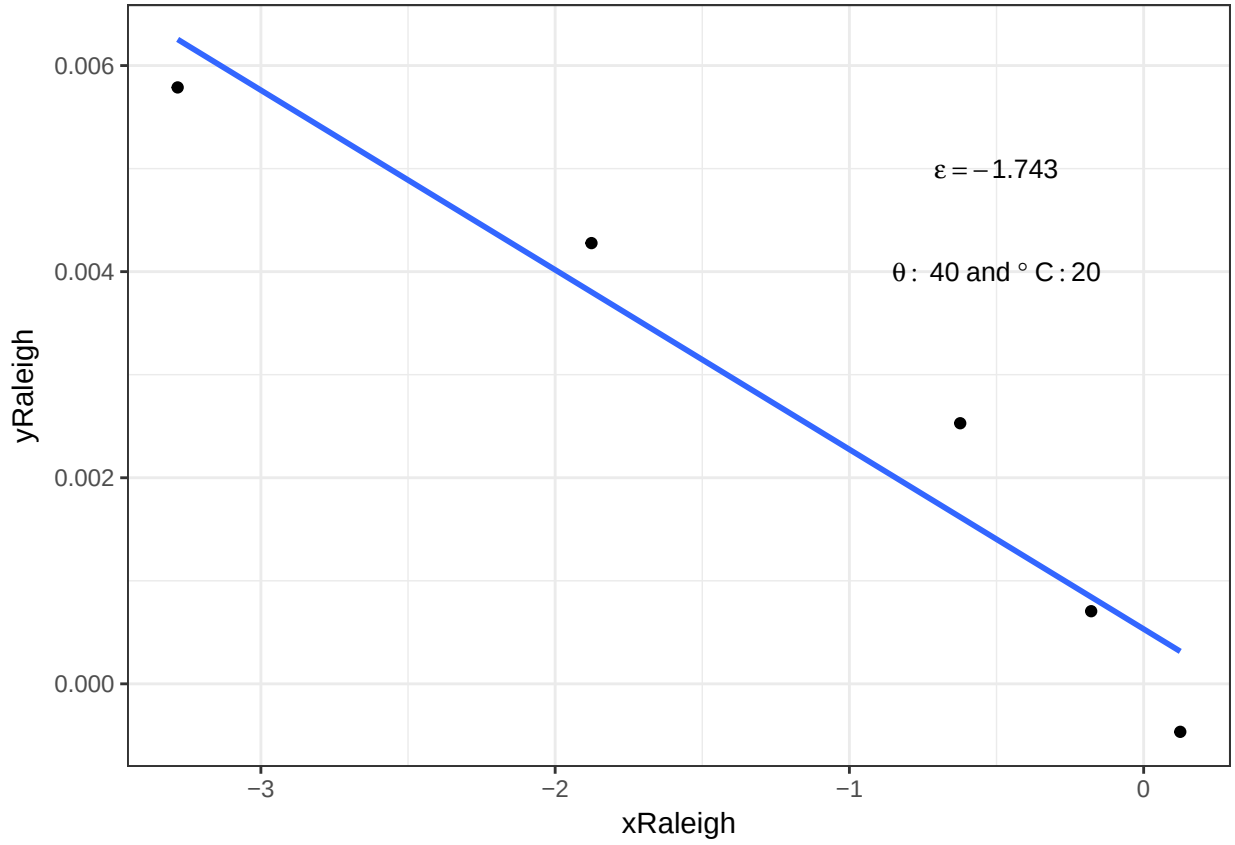
```
## Multiple R-squared:  0.8666, Adjusted R-squared:  0.8499
## F-statistic: 51.96 on 1 and 8 DF,  p-value: 9.17e-05
```

Rayleigh (20 °C, θ: 20)




```
##
## Call:
## lm(formula = yRaleigh ~ xRaleigh, data = bio)
##
## Residuals:
##         1          2          3          4          5
## -0.0010541 -0.0006449  0.0016891  0.0006682 -0.0006584
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  0.0007168  0.0008344   0.859   0.4535
## xRaleigh    -0.0013694  0.0003362  -4.073   0.0267 *
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.001324 on 3 degrees of freedom
## Multiple R-squared:  0.8469, Adjusted R-squared:  0.7958
## F-statistic: 16.59 on 1 and 3 DF,  p-value: 0.02671
```

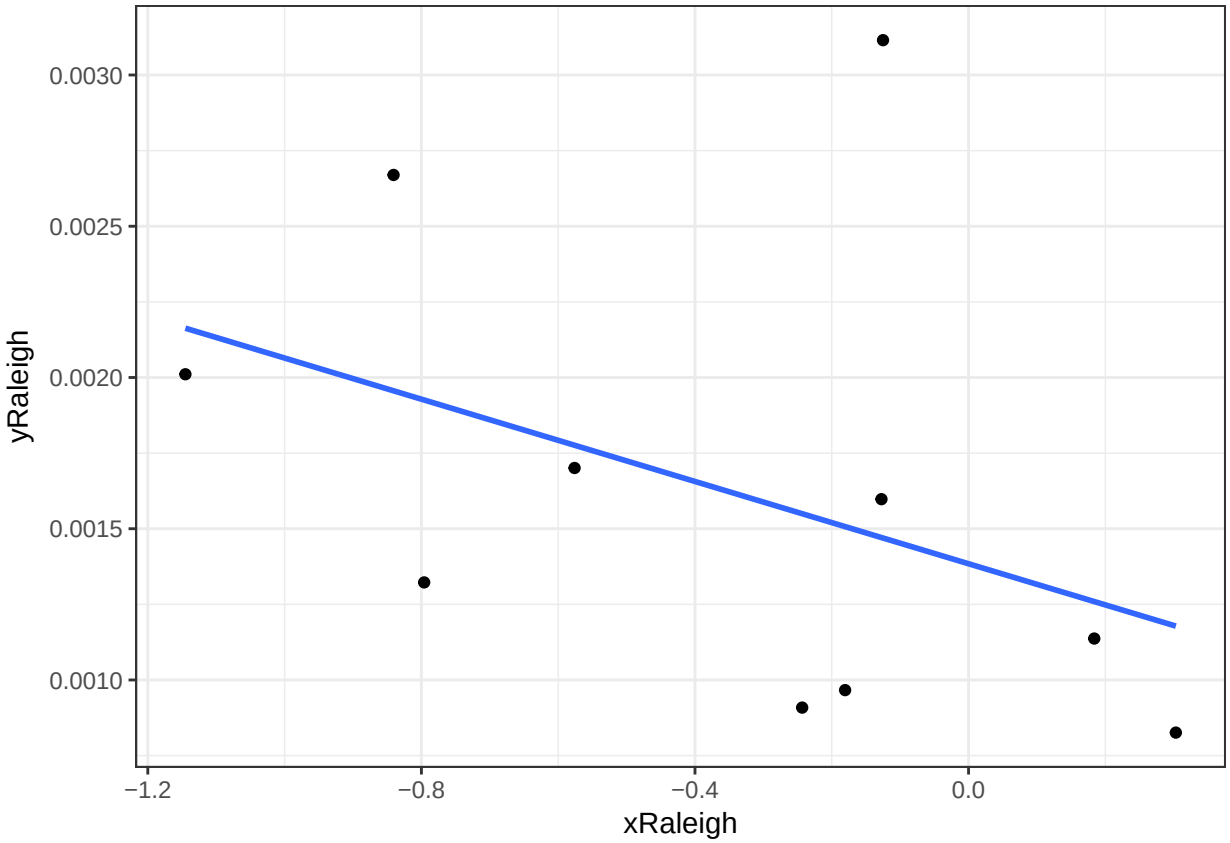
Rayleigh (20 °C, θ: 40)




```
##
## Call:
## lm(formula = yRaleigh ~ xRaleigh, data = bio)
##
## Residuals:
##          6          7          8          9         10
## -0.0001379 -0.0007807  0.0009105  0.0004742 -0.0004661
##
## Coefficients:
##               Estimate Std. Error t value Pr(>|t|)
## (Intercept)  0.0005319  0.0004854   1.096  0.35325
## xRaleigh    -0.0017430  0.0002827  -6.165  0.00859 **
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.0007958 on 3 degrees of freedom
## Multiple R-squared:  0.9268, Adjusted R-squared:  0.9024
## F-statistic:    38 on 1 and 3 DF,  p-value: 0.008592
```

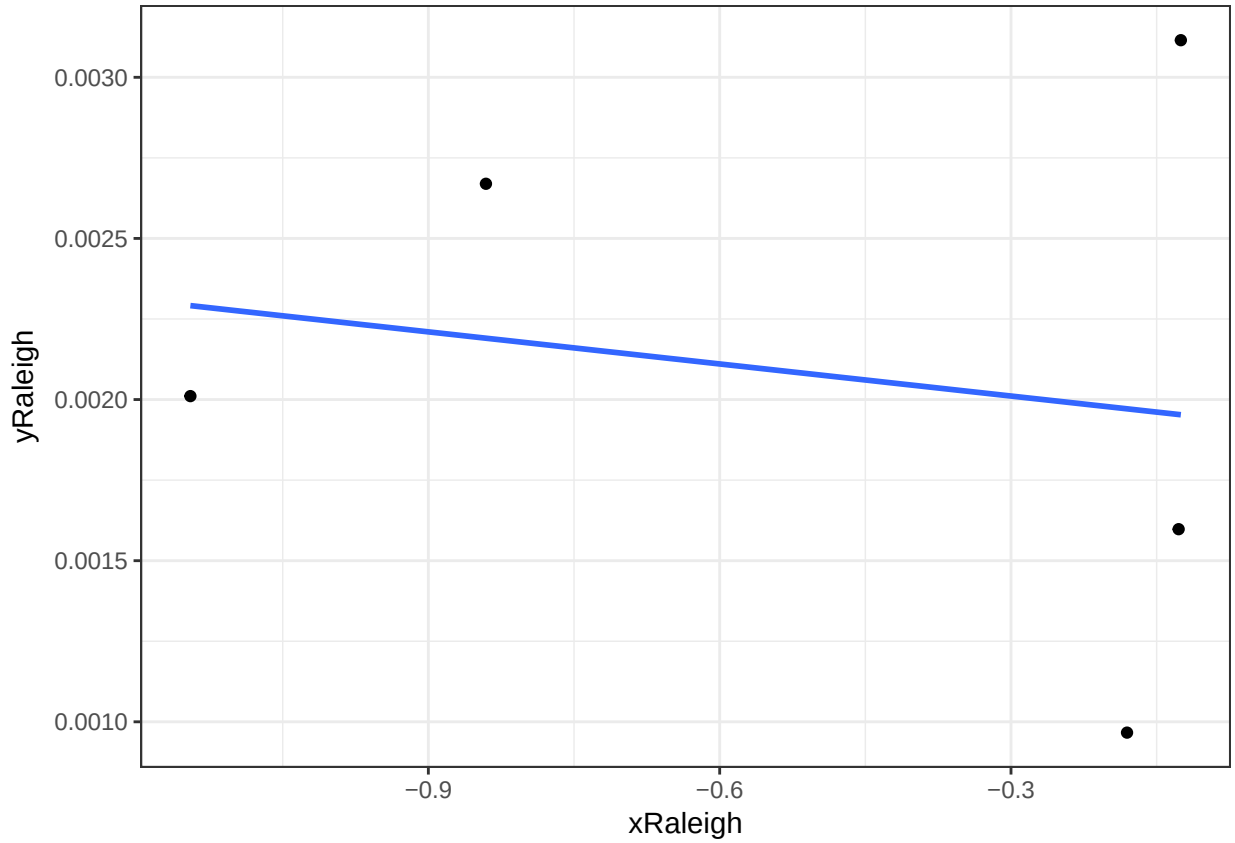
Abiotic data

Abiotic - Rayleigh (20 °C, θ: 20 & 40)



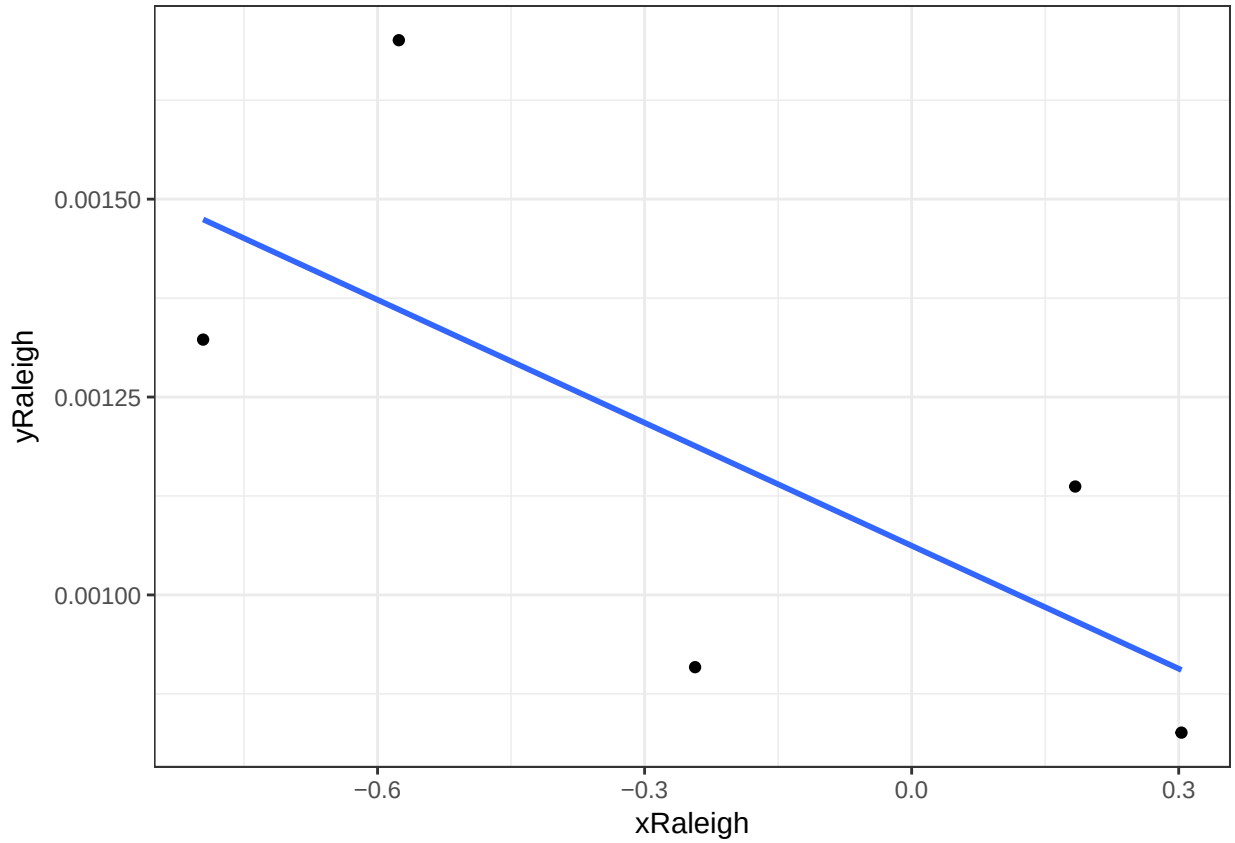

```
##
## Call:
## lm(formula = yRaleigh ~ xRaleigh, data = abiotic)
##
## Residuals:
##        Min         1Q     Median         3Q        Max
## -0.0006410 -0.0004934 -0.0001373  0.0000764  0.0016458
##
## Coefficients:
##               Estimate Std. Error t value Pr(>|t|)
## (Intercept)  0.0013842  0.0003024   4.577  0.00181 **
## xRaleigh    -0.0006801  0.0005319  -1.279  0.23689
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.0007474 on 8 degrees of freedom
## Multiple R-squared:  0.1697, Adjusted R-squared:  0.06588
## F-statistic: 1.635 on 1 and 8 DF,  p-value: 0.2369
```

Abiotic - Rayleigh (20 °C, θ: 20)




```
##
## Call:
## lm(formula = yRaleigh ~ xRaleigh, data = abiotic)
##
## Residuals:
##         21         22         23         24         25
## -0.0003559  0.0011623 -0.0010048  0.0004792 -0.0002808
##
## Coefficients:
##               Estimate Std. Error t value Pr(>|t|)
## (Intercept)  0.0019114  0.0006522   2.931    0.061 .
## xRaleigh    -0.0003319  0.0010106  -0.328    0.764
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.0009653 on 3 degrees of freedom
## Multiple R-squared:  0.03471,    Adjusted R-squared:  -0.2871
## F-statistic: 0.1079 on 1 and 3 DF,  p-value: 0.7642
```

Abiotic - Rayleigh (20 °C, θ: 40)




```
##
## Call:
## lm(formula = yRaleigh ~ xRaleigh, data = abiotic)
##
## Residuals:
##         26         27         28         29         30
##  1.700e-04 -7.913e-05 -2.794e-04  3.404e-04 -1.518e-04
##
## Coefficients:
##               Estimate Std. Error t value Pr(>|t|)
## (Intercept)  0.0010621  0.0001469   7.229  0.00546 **
## xRaleigh    -0.0005179  0.0003063  -1.691  0.18949
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.0002899 on 3 degrees of freedom
## Multiple R-squared:  0.4879, Adjusted R-squared:  0.3172
## F-statistic: 2.858 on 1 and 3 DF,  p-value: 0.1895
```