

Length-weight relationship of *Leucos aula*
from Slovenia, sampled from 02.07.2013 to 04.03.2021
(n = 233, length range from 2.20 cm to 16.50 cm,
specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 25.11.2024
- Country: SVN
- Species: *Leucos aula*
- Length type: TL (biometry_id = 76)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 02.07.2013
- Sampled to: 04.03.2021
- n: 233
- L min [cm]: 2.20
- L max [cm]: 16.50
- W min [g]: 0.10
- W max [g]: 60.00
- Data transformation: natural logarithm
- a: 0.0075723
- b: 3.1953523

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.5828 -0.0781  0.0245  0.1000  0.3893
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -4.8833     0.0358   -136    <2e-16 ***
## ln_l_x         3.1954     0.0185    172    <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.163 on 231 degrees of freedom
## Multiple R-squared:  0.992, Adjusted R-squared:  0.992
## F-statistic: 2.97e+04 on 1 and 231 DF, p-value: <2e-16
```

ANOVA:

```
##              Df      Sum Sq      Mean Sq F value      Pr(>F)
## ln_l_x         1 787.759579 787.75957857 29683.9 5.668935e-246
## Residuals 231    6.130342    0.02653828      NA      NA
```

Visualization

