

Length-weight relationship of *Arnoglossus laterna*  
 from Slovenia, sampled from 24.04.1995 to 21.10.2020  
 (n = 873, length range from 5.70 cm to 18.10 cm,  
 specimen condition: mixed)

- Authors: Bojan Marčeta, Žiga Sanda
- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 13.01.2021
- Country: SVN
- Species: *Arnoglossus laterna*
- Length type: TLmax (biometry\_id = 78)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 24.04.1995
- Sampled to: 21.10.2020
- n: 873
- L min [cm]: 5.70
- L max [cm]: 18.10
- W min [g]: 1.60
- W max [g]: 71.00
- Data transformation: natural logarithm
- a: 0.0066157
- b: 3.1207139

## Statistics - summary

### Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.6467 -0.0866  0.0163  0.0990  0.3586
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -5.0183     0.0524   -95.7  <2e-16 ***
## ln_l_x         3.1207     0.0227   137.5  <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.142 on 871 degrees of freedom
## Multiple R-squared:  0.956, Adjusted R-squared:  0.956
## F-statistic: 1.89e+04 on 1 and 871 DF, p-value: <2e-16
```

### ANOVA:

```
##              Df    Sum Sq    Mean Sq  F value Pr(>F)
## ln_l_x         1 379.10574 379.10573638 18896.79    0
## Residuals  871  17.47392   0.02006191    NA    NA
```

## Visualization

