

Length-weight relationship of *Arnoglossus thori*  
 from Slovenia, sampled from 27.08.1999 to 21.10.2020  
 (n = 508, length range from 6.50 cm to 17.70 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 thori*
- Length type: TLmax (biometry\_id = 78)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 27.08.1999
- Sampled to: 21.10.2020
- n: 508
- L min [cm]: 6.50
- L max [cm]: 17.70
- W min [g]: 2.90
- W max [g]: 69.90
- Data transformation: natural logarithm
- a: 0.0079526
- b: 3.1274764

### Statistics - summary

#### Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.4488 -0.0644  0.0035  0.0694  0.4368
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -4.8343     0.0856  -56.5   <2e-16 ***
## ln_l_x         3.1275     0.0358   87.4   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.114 on 506 degrees of freedom
## Multiple R-squared:  0.938, Adjusted R-squared:  0.938
## F-statistic: 7.64e+03 on 1 and 506 DF, p-value: <2e-16
```

#### ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	99.399638	99.39963795	7643.225	1.589156e-307
Residuals	506	6.580497	0.01300493	NA	NA

## Visualization

