

Length-weight relationship of *Arnoglossus laterna*  
 from Slovenia, sampled from 25.07.1995 to 03.01.2002  
 (n = 120, length range from 5.30 cm to 15.30 cm,  
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 13.01.2021
- Country: SVN
- Species: *Arnoglossus laterna*
- Length type: SL (biometry\_id = 74)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 25.07.1995
- Sampled to: 03.01.2002
- n: 120
- L min [cm]: 5.30
- L max [cm]: 15.30
- W min [g]: 2.11
- W max [g]: 71.00
- Data transformation: natural logarithm
- a: 0.0117796
- b: 3.1554743

## Statistics - summary

### Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.2755 -0.0670  0.0106  0.0728  0.2511
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -4.4414     0.0946   -47.0   <2e-16 ***
## ln_l_x         3.1555     0.0442    71.4   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.106 on 118 degrees of freedom
## Multiple R-squared:  0.977, Adjusted R-squared:  0.977
## F-statistic: 5.1e+03 on 1 and 118 DF, p-value: <2e-16
```

### ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	57.665858	57.66585826	5096.463	6.246498e-99
Residuals	118	1.335156	0.01131488	NA	NA

## Visualization

