

Length-weight relationship of *Serranus hepatus*  
 from Slovenia, sampled from 24.04.1995 to 21.10.2020  
 (n = 5936, length range from 4.00 cm to 12.30 cm,  
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 14.01.2021
- Country: SVN
- Species: *Serranus hepatus*
- Length type: TLmax (biometry\_id = 78)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 24.04.1995
- Sampled to: 21.10.2020
- n: 5936
- L min [cm]: 4.00
- L max [cm]: 12.30
- W min [g]: 1.30
- W max [g]: 38.23
- Data transformation: natural logarithm
- a: 0.0181210
- b: 2.9935458

## Statistics - summary

### Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.3545 -0.0609 -0.0017  0.0604  0.4262
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -4.01068    0.02038   -197 <2e-16 ***
## ln_l_x       2.99355    0.00938    319 <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.093 on 5934 degrees of freedom
## Multiple R-squared:  0.945, Adjusted R-squared:  0.945
## F-statistic: 1.02e+05 on 1 and 5934 DF, p-value: <2e-16
```

### ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	879.71028	8.797103e+02	101810.7	0
Residuals	5934	51.27358	8.640643e-03	NA	NA

## Visualization

