

Length-weight relationship of *Abramis brama*  
 from Slovenia, sampled from 20.04.2010 to 16.09.2020  
 (n = 323, length range from 6.90 cm to 61.00 cm,  
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 18.01.2021
- Country: SVN
- Species: *Abramis brama*
- Length type: TL (biometry\_id = 76)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 20.04.2010
- Sampled to: 16.09.2020
- n: 323
- L min [cm]: 6.90
- L max [cm]: 61.00
- W min [g]: 3.20
- W max [g]: 2756.00
- Data transformation: natural logarithm
- a: 0.0065047
- b: 3.1497572

## Statistics - summary

### Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.24280 -0.07826 -0.00245  0.07070  0.28439
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -5.0352     0.0393   -128 <2e-16 ***
## ln_l_x         3.1498     0.0129    245 <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.104 on 321 degrees of freedom
## Multiple R-squared:  0.995, Adjusted R-squared:  0.995
## F-statistic: 5.99e+04 on 1 and 321 DF, p-value: <2e-16
```

### ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	650.787060	650.78705983	59876.99	0
Residuals	321	3.488863	0.01086873	NA	NA

# Visualization

