

Length-weight relationship of *Abramis brama*
 from Slovenia, sampled from 20.04.2010 to 07.09.2023
 (n = 462, length range from 3.60 cm to 61.00 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 06.11.2024
- 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: 07.09.2023
- n: 462
- L min [cm]: 3.60
- L max [cm]: 61.00
- W min [g]: 0.40
- W max [g]: 2756.00
- Data transformation: natural logarithm
- a: 0.0063365
- b: 3.1663242

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.6969 -0.0971  0.0001  0.0912  0.8860
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -5.0614     0.0456   -111    <2e-16 ***
## ln_l_x         3.1663     0.0150    211    <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.139 on 460 degrees of freedom
## Multiple R-squared:  0.99,    Adjusted R-squared:  0.99
## F-statistic: 4.45e+04 on 1 and 460 DF,  p-value: <2e-16
```

ANOVA:

```
##              Df      Sum Sq      Mean Sq  F value Pr(>F)
## ln_l_x         1 855.766519 855.76651862 44522.32      0
## Residuals 460    8.841691    0.01922107      NA     NA
```

Visualization

