

Length-weight relationship of *Pseudorasbora parva*  
from Slovenia, sampled from 30.06.2010 to 06.08.2024  
(n = 1177, length range from 2.50 cm to 12.20 cm,  
specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 13.02.2025
- Country: SVN
- Species: *Pseudorasbora parva*
- Length type: TL (biometry\_id = 76)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 30.06.2010
- Sampled to: 06.08.2024
- n: 1177
- L min [cm]: 2.50
- L max [cm]: 12.20
- W min [g]: 0.10
- W max [g]: 17.07
- Data transformation: natural logarithm
- a: 0.0066147
- b: 3.1742720

## Statistics - summary

### Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.5395 -0.0701  0.0007  0.0675  0.6643
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -5.0185     0.0218   -230    <2e-16 ***
## ln_l_x         3.1743     0.0143    222    <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.118 on 1175 degrees of freedom
## Multiple R-squared:  0.977, Adjusted R-squared:  0.977
## F-statistic: 4.94e+04 on 1 and 1175 DF, p-value: <2e-16
```

### ANOVA:

```
##           Df    Sum Sq   Mean Sq  F value Pr(>F)
## ln_l_x     1 685.00375 685.0037530 49358.62    0
## Residuals 1175 16.30677  0.0138781    NA    NA
```

## Visualization

