

Length-weight relationship of *Protochondrostoma genei* from Slovenia, sampled from 23.09.2013 to 19.10.2022 (n = 780, length range from 4.90 cm to 18.80 cm, specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 08.11.2024
- Country: SVN
- Species: *Protochondrostoma genei*
- Length type: TL (biometry_id = 76)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 23.09.2013
- Sampled to: 19.10.2022
- n: 780
- L min [cm]: 4.90
- L max [cm]: 18.80
- W min [g]: 1.00
- W max [g]: 71.00
- Data transformation: natural logarithm
- a: 0.0065339
- b: 3.1248737

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.8841 -0.0841  0.0147  0.0981  0.6107
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -5.0307     0.0460   -109    <2e-16 ***
## ln_l_x         3.1249     0.0205    152    <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.163 on 778 degrees of freedom
## Multiple R-squared:  0.967, Adjusted R-squared:  0.967
## F-statistic: 2.32e+04 on 1 and 778 DF, p-value: <2e-16
```

ANOVA:

```
##              Df    Sum Sq    Mean Sq F value Pr(>F)
## ln_l_x         1 615.35107 615.35106850 23153.1      0
## Residuals 778   20.67728   0.02657748      NA     NA
```

Visualization

