

Length-weight relationship of *Protochondrostoma genei*
from Slovenia, sampled from 23.09.2013 to 15.07.2020
(n = 573, length range from 4.9 cm to 18.8 cm,
specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 21.12.2020
- 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: 15.07.2020
- n: 573
- L min [cm]: 4.9
- L max [cm]: 18.8
- W min [g]: 1.1
- W max [g]: 71
- Data transformation: natural logarithm
- a: 0.0064619
- b: 3.1318173

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.5005 -0.1039  0.0189  0.1112  0.5317
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -5.0418     0.0619   -81.5   <2e-16 ***
## ln_l_x         3.1318     0.0266   117.9   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.165 on 571 degrees of freedom
## Multiple R-squared:  0.961, Adjusted R-squared:  0.96
## F-statistic: 1.39e+04 on 1 and 571 DF, p-value: <2e-16
```

ANOVA:

```
##              Df    Sum Sq    Mean Sq  F value Pr(>F)
## ln_l_x         1 377.80255 377.80254641 13909.58    0
## Residuals    571  15.50911  0.02716131     NA    NA
```

Visualization

