

Length-weight relationship of *Chondrostoma nasus*
 from Slovenia, sampled from 26.05.2009 to 26.10.2020
 (n = 6388, length range from 4.40 cm to 62.50 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 20.01.2021
- Country: SVN
- Species: *Chondrostoma nasus*
- Length type: TL (biometry_id = 76)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 26.05.2009
- Sampled to: 26.10.2020
- n: 6388
- L min [cm]: 4.40
- L max [cm]: 62.50
- W min [g]: 1.00
- W max [g]: 2756.00
- Data transformation: natural logarithm
- a: 0.0053840
- b: 3.1858380

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.5768 -0.0797 -0.0001  0.0761  0.6112
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -5.22432    0.00893   -585 <2e-16 ***
## ln_l_x       3.18584    0.00272   1170 <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.125 on 6386 degrees of freedom
## Multiple R-squared:  0.995, Adjusted R-squared:  0.995
## F-statistic: 1.37e+06 on 1 and 6386 DF, p-value: <2e-16
```

ANOVA:

```
##              Df      Sum Sq      Mean Sq F value Pr(>F)
## ln_l_x         1 21537.0372 2.153704e+04 1367772      0
## Residuals 6386  100.5544 1.574607e-02      NA      NA
```

Visualization

