

Length-weight relationship of *Gobio obtusirostris*
 from Slovenia, sampled from 20.04.2010 to 05.11.2020
 (n = 2568, length range from 3.70 cm to 18.70 cm,
 specimen condition: mixed)

- Authors: Bojan Marčeta, Žiga Sanda
- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 20.01.2021
- Country: SVN
- Species: *Gobio obtusirostris*
- Length type: TL (biometry_id = 76)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 20.04.2010
- Sampled to: 05.11.2020
- n: 2568
- L min [cm]: 3.70
- L max [cm]: 18.70
- W min [g]: 1.00
- W max [g]: 64.00
- Data transformation: natural logarithm
- a: 0.0092790
- b: 3.0660687

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.5489 -0.0792 -0.0090  0.0800  0.6686
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -4.68000    0.02264   -207   <2e-16 ***
## ln_l_x       3.06607    0.00984    311   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.125 on 2566 degrees of freedom
## Multiple R-squared:  0.974, Adjusted R-squared:  0.974
## F-statistic: 9.7e+04 on 1 and 2566 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	1526.43843	1.526438e+03	97012.1	0
Residuals	2566	40.37477	1.573452e-02	NA	NA

Visualization

