

Length-weight relationship of *Telestes souffia*  
 from Slovenia, sampled from 25.05.2010 to 27.08.2020  
 (n = 2017, length range from 4.50 cm to 18.80 cm,  
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 20.01.2021
- Country: SVN
- Species: *Telestes souffia*
- Length type: TL (biometry\_id = 76)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 25.05.2010
- Sampled to: 27.08.2020
- n: 2017
- L min [cm]: 4.50
- L max [cm]: 18.80
- W min [g]: 1.00
- W max [g]: 79.00
- Data transformation: natural logarithm
- a: 0.0088138
- b: 3.0354785

## Statistics - summary

### Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.3367 -0.0695 -0.0051  0.0670  0.4761
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -4.73144    0.01953   -242   <2e-16 ***
## ln_l_x       3.03548    0.00798    380   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.106 on 2015 degrees of freedom
## Multiple R-squared:  0.986, Adjusted R-squared:  0.986
## F-statistic: 1.45e+05 on 1 and 2015 DF, p-value: <2e-16
```

### ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	1615.04849	1.615048e+03	144616.8	0
Residuals	2015	22.50308	1.116778e-02	NA	NA

## Visualization

