

Length-weight relationship of *Telestes souffia*
from Slovenia, sampled from 25.05.2010 to 11.07.2024
(n = 3277, length range from 2.80 cm to 19.70 cm,
specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 08.11.2024
- 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: 11.07.2024
- n: 3277
- L min [cm]: 2.80
- L max [cm]: 19.70
- W min [g]: 0.20
- W max [g]: 79.00
- Data transformation: natural logarithm
- a: 0.0083537
- b: 3.0567956

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.8832 -0.0709 -0.0064  0.0590  0.9006
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -4.78506    0.01283   -373   <2e-16 ***
## ln_l_x       3.05680    0.00542    564   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.129 on 3275 degrees of freedom
## Multiple R-squared:  0.99, Adjusted R-squared:  0.99
## F-statistic: 3.18e+05 on 1 and 3275 DF, p-value: <2e-16
```

ANOVA:

```
##              Df      Sum Sq      Mean Sq  F value Pr(>F)
## ln_l_x         1 5284.89515 5.284895e+03 318339.1    0
## Residuals 3275  54.36979 1.660146e-02      NA      NA
```

Visualization

