

Length-weight relationship of *Leuciscus leuciscus*
 from Slovenia, sampled from 01.09.2011 to 26.10.2020
 (n = 431, length range from 8.60 cm to 24.80 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 18.01.2021
- Country: SVN
- Species: *Leuciscus leuciscus*
- Length type: TL (biometry_id = 76)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 01.09.2011
- Sampled to: 26.10.2020
- n: 431
- L min [cm]: 8.60
- L max [cm]: 24.80
- W min [g]: 5.20
- W max [g]: 172.00
- Data transformation: natural logarithm
- a: 0.0060922
- b: 3.1564816

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.2841 -0.0820 -0.0103  0.0730  0.4956
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)   -5.1008     0.0841   -60.7   <2e-16 ***
## ln_l_x         3.1565     0.0295   107.0   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.118 on 429 degrees of freedom
## Multiple R-squared:  0.964, Adjusted R-squared:  0.964
## F-statistic: 1.14e+04 on 1 and 429 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	159.469081	159.46908064	11447.98	1.70252e-311
Residuals	429	5.975924	0.01392989	NA	NA

Visualization

