

Length-weight relationship of *Sabanejewia balcanica* from Slovenia, sampled from 14.10.2010 to 24.11.2020 (n = 373, length range from 3.70 cm to 13.80 cm, specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 31.08.2021
- Country: SVN
- Species: *Sabanejewia balcanica*
- Length type: TL (biometry_id = 76)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 14.10.2010
- Sampled to: 24.11.2020
- n: 373
- L min [cm]: 3.70
- L max [cm]: 13.80
- W min [g]: 0.23
- W max [g]: 13.00
- Data transformation: natural logarithm
- a: 0.0039238
- b: 3.1791350

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.5054 -0.0638 -0.0111  0.0513  0.6388
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -5.5407     0.0697   -79.5   <2e-16 ***
## ln_l_x         3.1791     0.0378    84.1   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.114 on 371 degrees of freedom
## Multiple R-squared:  0.95, Adjusted R-squared:  0.95
## F-statistic: 7.07e+03 on 1 and 371 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	91.266193	91.26619341	7066.74	1.243261e-243
Residuals	371	4.791425	0.01291489	NA	NA

Visualization

