

Length-weight relationship of *Faxonius limosus*
 from Slovenia, sampled from 23.07.2019 to 24.11.2020
 (n = 3405, length range from 1.20 cm to 5.45 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 20.01.2021
- Country: SVN
- Species: *Faxonius limosus*
- Length type: CLR (biometry_id = 233)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 23.07.2019
- Sampled to: 24.11.2020
- n: 3405
- L min [cm]: 1.20
- L max [cm]: 5.45
- W min [g]: 0.30
- W max [g]: 45.30
- Data transformation: natural logarithm
- a: 0.2020169
- b: 3.2100714

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.4971 -0.0840 -0.0013  0.0859  0.4418
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -1.59940    0.00981   -163   <2e-16 ***
## ln_l_x       3.21007    0.00838    383   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.124 on 3403 degrees of freedom
## Multiple R-squared:  0.977, Adjusted R-squared:  0.977
## F-statistic: 1.47e+05 on 1 and 3403 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	2270.94056	2.270941e+03	146689.5	0
Residuals	3403	52.68277	1.548127e-02	NA	NA

Visualization

