

Length-weight relationship of *Faxonius limosus*  
from Slovenia, sampled from 14.07.2020 to 05.11.2020  
(n = 504, length range from 2.63 cm to 10.95 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: TL (biometry\_id = 86)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 14.07.2020
- Sampled to: 05.11.2020
- n: 504
- L min [cm]: 2.63
- L max [cm]: 10.95
- W min [g]: 0.30
- W max [g]: 40.92
- Data transformation: natural logarithm
- a: 0.0156675
- b: 3.2720055

## Statistics - summary

### Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.5127 -0.0618 -0.0015  0.0618  0.3124
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -4.1562     0.0265   -157 <2e-16 ***
## ln_l_x         3.2720     0.0144    228 <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.107 on 502 degrees of freedom
## Multiple R-squared:  0.99, Adjusted R-squared:  0.99
## F-statistic: 5.18e+04 on 1 and 502 DF, p-value: <2e-16
```

### ANOVA:

```
##           Df      Sum Sq   Mean Sq F value Pr(>F)
## ln_l_x     1 595.103420 595.103420 51812.56    0
## Residuals 502  5.765821  0.0114857    NA    NA
```

## Visualization

