

Length-weight relationship of *Eudontomyzon vladykovi* from Slovenia, sampled from 25.05.2010 to 05.09.2024 (n = 346, length range from 5.20 cm to 24.50 cm, specimen condition: mixed)

- Authors: Bojan Marčeta, Žiga Sanda, Petra Pavšič
- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 26.11.2024
- Country: SVN
- Species: *Eudontomyzon vladykovi*
- Length type: TL (biometry_id = 205)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 25.05.2010
- Sampled to: 05.09.2024
- n: 346
- L min [cm]: 5.20
- L max [cm]: 24.50
- W min [g]: 0.30
- W max [g]: 26.00
- Data transformation: natural logarithm
- a: 0.0028505
- b: 2.8341532

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.3456 -0.1017 -0.0129  0.0659  0.7997
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -5.8603     0.0735   -79.7   <2e-16 ***
## ln_l_x         2.8342     0.0264   107.5   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.144 on 344 degrees of freedom
## Multiple R-squared:  0.971, Adjusted R-squared:  0.971
## F-statistic: 1.16e+04 on 1 and 344 DF, p-value: <2e-16
```

ANOVA:

```
##              Df      Sum Sq      Mean Sq  F value      Pr(>F)
## ln_l_x         1 239.867509 239.86750918 11550.68 9.269941e-267
## Residuals 344    7.143687    0.02076653      NA      NA
```

Visualization

