

Length-weight relationship of *Eudontomyzon vladykovi*
from Slovenia, sampled from 25.05.2010 to 13.11.2020
(n = 142, length range from 12.30 cm to 24.50 cm,
specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 10.02.2021
- 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: 13.11.2020
- n: 142
- L min [cm]: 12.30
- L max [cm]: 24.50
- W min [g]: 5.80
- W max [g]: 24.00
- Data transformation: natural logarithm
- a: 0.0167509
- b: 2.2409387

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.2761 -0.0938 -0.0147  0.0775  0.4206
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)   -4.089      0.356   -11.5 <2e-16 ***
## ln_l_x         2.241      0.121    18.6 <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.131 on 140 degrees of freedom
## Multiple R-squared:  0.712, Adjusted R-squared:  0.71
## F-statistic:  346 on 1 and 140 DF,  p-value: <2e-16
```

ANOVA:

```
##              Df  Sum Sq  Mean Sq  F value      Pr(>F)
## ln_l_x         1  5.925007  5.92500717  345.5191  1.245256e-39
## Residuals    140  2.400739  0.01714813      NA          NA
```

Visualization

