

Length-weight relationship of *Leucaspilus delineatus* from Slovenia, sampled from 19.03.2014 to 05.04.2016 (n = 127, length range from 4.50 cm to 6.60 cm, specimen condition: mixed)

- Authors: Bojan Marčeta, Žiga Sanda, Petra Pavšič
- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 08.11.2024
- Country: SVN
- Species: *Leucaspilus delineatus*
- Length type: TL (biometry_id = 76)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 19.03.2014
- Sampled to: 05.04.2016
- n: 127
- L min [cm]: 4.50
- L max [cm]: 6.60
- W min [g]: 0.70
- W max [g]: 2.40
- Data transformation: natural logarithm
- a: 0.0094671
- b: 2.9386163

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.29273 -0.05498 -0.00766  0.05455  0.22755
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)   -4.660      0.206   -22.6   <2e-16 ***
## ln_l_x         2.939      0.130    22.6   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.0916 on 125 degrees of freedom
## Multiple R-squared:  0.803, Adjusted R-squared:  0.802
## F-statistic: 510 on 1 and 125 DF, p-value: <2e-16
```

ANOVA:

```
##              Df    Sum Sq    Mean Sq  F value    Pr(>F)
## ln_l_x         1  4.276089  4.276089362  509.8407  6.162081e-46
## Residuals    125  1.048389  0.008387109      NA      NA
```

Visualization

