

Length-weight relationship of *Padogobius bonelli*
from Slovenia, sampled from 14.08.2013 to 27.05.2015
(n = 477, length range from 1.80 cm to 7.00 cm,
specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 08.11.2024
- Country: SVN
- Species: *Padogobius bonelli*
- Length type: TL (biometry_id = 76)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 14.08.2013
- Sampled to: 27.05.2015
- n: 477
- L min [cm]: 1.80
- L max [cm]: 7.00
- W min [g]: 0.10
- W max [g]: 5.30
- Data transformation: natural logarithm
- a: 0.0097073
- b: 3.2063511

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.6057 -0.1005  0.0169  0.1073  0.5999
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -4.6349     0.0309   -150    <2e-16 ***
## ln_l_x         3.2064     0.0240    134    <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.176 on 475 degrees of freedom
## Multiple R-squared:  0.974, Adjusted R-squared:  0.974
## F-statistic: 1.79e+04 on 1 and 475 DF, p-value: <2e-16
```

ANOVA:

```
##              Df    Sum Sq    Mean Sq  F value Pr(>F)
## ln_l_x         1 555.59234 555.59234133 17872.37      0
## Residuals 475  14.76617   0.03108667      NA     NA
```

Visualization

