

Length-weight relationship of *Lepidotrigla cavillone*
from Slovenia, sampled from 27.08.1999 to 08.08.2020
(n = 116, length range from 7.60 cm to 13.20 cm,
specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 13.01.2021
- Country: SVN
- Species: *Lepidotrigla cavillone*
- Length type: TLmax (biometry_id = 78)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 27.08.1999
- Sampled to: 08.08.2020
- n: 116
- L min [cm]: 7.60
- L max [cm]: 13.20
- W min [g]: 5.90
- W max [g]: 30.50
- Data transformation: natural logarithm
- a: 0.0107800
- b: 3.0642031

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.1745 -0.0470 -0.0071  0.0431  0.2396
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -4.5301     0.1320   -34.3   <2e-16 ***
## ln_l_x         3.0642     0.0574    53.4   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.0772 on 114 degrees of freedom
## Multiple R-squared:  0.962, Adjusted R-squared:  0.961
## F-statistic: 2.85e+03 on 1 and 114 DF, p-value: <2e-16
```

ANOVA:

```
##           Df      Sum Sq      Mean Sq  F value      Pr(>F)
## ln_l_x     1 17.0066044 17.006604375 2854.603 1.545246e-82
## Residuals 114  0.6791673  0.005957608      NA      NA
```

Visualization

