

Length-weight relationship of *Trisopterus minutus*
 from Slovenia, sampled from 03.08.1995 to 21.10.2020
 (n = 753, length range from 6.20 cm to 27.60 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 18.01.2021
- Country: SVN
- Species: *Trisopterus minutus*
- Length type: TLmax (biometry_id = 78)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 03.08.1995
- Sampled to: 21.10.2020
- n: 753
- L min [cm]: 6.20
- L max [cm]: 27.60
- W min [g]: 2.11
- W max [g]: 240.00
- Data transformation: natural logarithm
- a: 0.0065544
- b: 3.1876423

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.3257 -0.0626 -0.0033  0.0529  0.3057
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -5.0276     0.0372   -135 <2e-16 ***
## ln_l_x         3.1876     0.0150    212 <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.0901 on 751 degrees of freedom
## Multiple R-squared:  0.984, Adjusted R-squared:  0.984
## F-statistic: 4.5e+04 on 1 and 751 DF, p-value: <2e-16
```

ANOVA:

```
##           Df      Sum Sq      Mean Sq  F value Pr(>F)
## ln_l_x     1 365.958771 3.659588e+02 45042.66     0
## Residuals 751   6.101661 8.124715e-03      NA     NA
```

Visualization

