

Length-weight relationship of *Squalius cephalus*
 from Slovenia, sampled from 20.04.2010 to 10.11.2020
 (n = 13578, length range from 4.30 cm to 61.00 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 20.01.2021
- Country: SVN
- Species: *Squalius cephalus*
- Length type: TL (biometry_id = 76)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 20.04.2010
- Sampled to: 10.11.2020
- n: 13578
- L min [cm]: 4.30
- L max [cm]: 61.00
- W min [g]: 1.00
- W max [g]: 3450.00
- Data transformation: natural logarithm
- a: 0.0085970
- b: 3.0763342

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.7753 -0.0757 -0.0051  0.0727  0.8265
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -4.75635    0.00675   -704 <2e-16 ***
## ln_l_x       3.07633    0.00236   1305 <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.122 on 13576 degrees of freedom
## Multiple R-squared:  0.992, Adjusted R-squared:  0.992
## F-statistic: 1.7e+06 on 1 and 13576 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	25396.6189	2.539662e+04	1703364	0
Residuals	13576	202.4139	1.490969e-02	NA	NA

Visualization

