

Length-weight relationship of *Sander lucioperca*
 from Slovenia, sampled from 20.04.2010 to 16.09.2020
 (n = 449, length range from 4.70 cm to 80.50 cm,
 specimen condition: mixed)

- Authors: Bojan Marčeta, Žiga Sanda
- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 18.01.2021
- Country: SVN
- Species: *Sander lucioperca*
- Length type: TL (biometry_id = 76)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 20.04.2010
- Sampled to: 16.09.2020
- n: 449
- L min [cm]: 4.70
- L max [cm]: 80.50
- W min [g]: 1.00
- W max [g]: 6025.00
- Data transformation: natural logarithm
- a: 0.0077266
- b: 3.0018023

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.3920 -0.0726  0.0021  0.0677  0.4984
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -4.86308    0.02008   -242   <2e-16 ***
## ln_l_x       3.00180    0.00689    436   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.111 on 447 degrees of freedom
## Multiple R-squared:  0.998, Adjusted R-squared:  0.998
## F-statistic: 1.9e+05 on 1 and 447 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	2340.691297	2.340691e+03	190065	0
Residuals	447	5.504902	1.231522e-02	NA	NA

Visualization

