

Length-weight relationship of *Boops boops*
 from Slovenia, sampled from 12.10.1995 to 17.07.2020
 (n = 621, length range from 11.40 cm to 36.40 cm,
 specimen condition: mixed)

- Authors: Bojan Marčeta, Žiga Sanda
- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 13.01.2021
- Country: SVN
- Species: *Boops boops*
- Length type: TLmax (biometry_id = 78)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 12.10.1995
- Sampled to: 17.07.2020
- n: 621
- L min [cm]: 11.40
- L max [cm]: 36.40
- W min [g]: 12.00
- W max [g]: 470.00
- Data transformation: natural logarithm
- a: 0.0075209
- b: 3.1058291

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.3543 -0.0562  0.0024  0.0553  0.3874
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -4.8901     0.0654   -74.8  <2e-16 ***
## ln_l_x         3.1058     0.0222   139.8  <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.0918 on 619 degrees of freedom
## Multiple R-squared:  0.969, Adjusted R-squared:  0.969
## F-statistic: 1.96e+04 on 1 and 619 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	164.794469	1.647945e+02	19559.29	0
Residuals	619	5.215312	8.425383e-03	NA	NA

Visualization

