

Length-weight relationship of *Scomber scombrus*  
 from Slovenia, sampled from 22.03.2002 to 08.08.2020  
 (n = 202, length range from 10.30 cm to 31.80 cm,  
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 10.02.2021
- Country: SVN
- Species: *Scomber scombrus*
- Length type: FL (biometry\_id = 79)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 22.03.2002
- Sampled to: 08.08.2020
- n: 202
- L min [cm]: 10.30
- L max [cm]: 31.80
- W min [g]: 9.30
- W max [g]: 395.00
- Data transformation: natural logarithm
- a: 0.0033998
- b: 3.3855229

## Statistics - summary

### Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.1830 -0.0376  0.0079  0.0399  0.3369
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -5.6841     0.0659   -86.2   <2e-16 ***
## ln_l_x         3.3855     0.0214   158.5   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.0714 on 200 degrees of freedom
## Multiple R-squared:  0.992, Adjusted R-squared:  0.992
## F-statistic: 2.51e+04 on 1 and 200 DF, p-value: <2e-16
```

### ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	127.960592	1.279606e+02	25124.43	3.174134e-212
Residuals	200	1.018615	5.093075e-03	NA	NA

## Visualization

