

Length-weight relationship of *Gobius niger*  
 from Slovenia, sampled from 24.04.1995 to 03.11.2020  
 (n = 1323, length range from 5.20 cm to 14.80 cm,  
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 13.01.2021
- Country: SVN
- Species: *Gobius niger*
- Length type: TLmax (biometry\_id = 78)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 24.04.1995
- Sampled to: 03.11.2020
- n: 1323
- L min [cm]: 5.20
- L max [cm]: 14.80
- W min [g]: 1.10
- W max [g]: 40.20
- Data transformation: natural logarithm
- a: 0.0096918
- b: 3.0672864

## Statistics - summary

### Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.5255 -0.0765  0.0074  0.0896  0.3947
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -4.6365     0.0507   -91.4   <2e-16 ***
## ln_l_x         3.0673     0.0216   141.8   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.135 on 1321 degrees of freedom
## Multiple R-squared:  0.938, Adjusted R-squared:  0.938
## F-statistic: 2.01e+04 on 1 and 1321 DF, p-value: <2e-16
```

### ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	364.55329	364.55328696	20106.34	0
Residuals	1321	23.95139	0.01813126	NA	NA

## Visualization

