

Length-weight relationship of *Diplodus annularis*  
 from Slovenia, sampled from 25.07.1995 to 21.10.2020  
 (n = 2710, length range from 5.60 cm to 24.10 cm,  
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 13.01.2021
- Country: SVN
- Species: *Diplodus annularis*
- Length type: TLmax (biometry\_id = 78)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 25.07.1995
- Sampled to: 21.10.2020
- n: 2710
- L min [cm]: 5.60
- L max [cm]: 24.10
- W min [g]: 2.80
- W max [g]: 214.00
- Data transformation: natural logarithm
- a: 0.0132982
- b: 3.0890783

## Statistics - summary

### Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.6119 -0.0693  0.0029  0.0685  0.3929
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -4.3201     0.0296   -146 <2e-16 ***
## ln_l_x         3.0891     0.0113    272 <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.105 on 2708 degrees of freedom
## Multiple R-squared:  0.965, Adjusted R-squared:  0.965
## F-statistic: 7.41e+04 on 1 and 2708 DF, p-value: <2e-16
```

### ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	823.93220	823.93219726	74086.44	0
Residuals	2708	30.11629	0.01112123	NA	NA

## Visualization

