

Length-weight relationship of *Sparus aurata*  
 from Slovenia, sampled from 20.12.1995 to 03.11.2020  
 (n = 214, length range from 8.60 cm to 46.10 cm,  
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 14.01.2021
- Country: SVN
- Species: *Sparus aurata*
- Length type: TLmax (biometry\_id = 78)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 20.12.1995
- Sampled to: 03.11.2020
- n: 214
- L min [cm]: 8.60
- L max [cm]: 46.10
- W min [g]: 7.10
- W max [g]: 1236.00
- Data transformation: natural logarithm
- a: 0.0121467
- b: 3.0486946

### Statistics - summary

#### Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.3713 -0.0426  0.0038  0.0585  0.3027
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -4.4107     0.0763   -57.8  <2e-16 ***
## ln_l_x         3.0487     0.0257   118.4  <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.091 on 212 degrees of freedom
## Multiple R-squared:  0.985, Adjusted R-squared:  0.985
## F-statistic: 1.4e+04 on 1 and 212 DF, p-value: <2e-16
```

#### ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	116.129013	1.161290e+02	14023.39	1.191066e-195
Residuals	212	1.755592	8.281094e-03	NA	NA

## Visualization

