

Length-weight relationship of *Liza aurata*
 from Slovenia, sampled from 06.04.1996 to 02.06.2020
 (n = 901, length range from 15.20 cm to 46.10 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 13.01.2021
- Country: SVN
- Species: *Liza aurata*
- Length type: TLmax (biometry_id = 78)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 06.04.1996
- Sampled to: 02.06.2020
- n: 901
- L min [cm]: 15.20
- L max [cm]: 46.10
- W min [g]: 30.60
- W max [g]: 967.10
- Data transformation: natural logarithm
- a: 0.0109920
- b: 2.9171873

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.3624 -0.0772 -0.0030  0.0699  0.3928
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -4.5106     0.0678   -66.5   <2e-16 ***
## ln_l_x         2.9172     0.0202   144.7   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.11 on 899 degrees of freedom
## Multiple R-squared:  0.959, Adjusted R-squared:  0.959
## F-statistic: 2.09e+04 on 1 and 899 DF, p-value: <2e-16
```

ANOVA:

```
##              Df    Sum Sq    Mean Sq  F value Pr(>F)
## ln_l_x         1 251.53734 251.53734317 20949.97    0
## Residuals 899  10.79391   0.01200657    NA    NA
```

Visualization

