

Length-weight relationship of *Zeus faber*
 from Slovenia, sampled from 22.11.1995 to 09.03.2018
 (n = 114, length range from 5.10 cm to 28.90 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 18.01.2021
- Country: SVN
- Species: *Zeus faber*
- Length type: SL (biometry_id = 74)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 22.11.1995
- Sampled to: 09.03.2018
- n: 114
- L min [cm]: 5.10
- L max [cm]: 28.90
- W min [g]: 6.37
- W max [g]: 711.00
- Data transformation: natural logarithm
- a: 0.0797830
- b: 2.6961365

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.25472 -0.06166  0.00416  0.06208  0.23500
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -2.5284     0.0639   -39.6   <2e-16 ***
## ln_l_x         2.6961     0.0249   108.2   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.0925 on 112 degrees of freedom
## Multiple R-squared:  0.991, Adjusted R-squared:  0.99
## F-statistic: 1.17e+04 on 1 and 112 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	100.2386351	1.002386e+02	11709.65	3.669621e-115
Residuals	112	0.9587583	8.560342e-03	NA	NA

Visualization

