

Length-weight relationship of *Zeus faber*
 from Slovenia, sampled from 24.04.1995 to 03.11.2020
 (n = 307, length range from 5.10 cm to 36.00 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: TLmax (biometry_id = 78)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 24.04.1995
- Sampled to: 03.11.2020
- n: 307
- L min [cm]: 5.10
- L max [cm]: 36.00
- W min [g]: 2.20
- W max [g]: 711.00
- Data transformation: natural logarithm
- a: 0.0277685
- b: 2.8218711

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.2456 -0.0716  0.0069  0.0657  0.2809
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -3.5839     0.0339   -106 <2e-16 ***
## ln_l_x         2.8219     0.0124    227 <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.0946 on 305 degrees of freedom
## Multiple R-squared:  0.994, Adjusted R-squared:  0.994
## F-statistic: 5.16e+04 on 1 and 305 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	461.643161	4.616432e+02	51574.08	0
Residuals	305	2.730076	8.951068e-03	NA	NA

Visualization

