

Length-weight relationship of *Trachurus mediterraneus*
 from Slovenia, sampled from 16.06.1996 to 21.10.2020
 (n = 4368, length range from 2.20 cm to 48.80 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 14.01.2021
- Country: SVN
- Species: *Trachurus mediterraneus*
- Length type: TLmax (biometry_id = 78)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 16.06.1996
- Sampled to: 21.10.2020
- n: 4368
- L min [cm]: 2.20
- L max [cm]: 48.80
- W min [g]: 0.11
- W max [g]: 797.00
- Data transformation: natural logarithm
- a: 0.0093177
- b: 2.9539441

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.5479 -0.0556 -0.0020  0.0522  0.6926
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -4.67584    0.00998   -468 <2e-16 ***
## ln_l_x       2.95394    0.00382    774 <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.0899 on 4366 degrees of freedom
## Multiple R-squared:  0.993, Adjusted R-squared:  0.993
## F-statistic: 5.99e+05 on 1 and 4366 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	4841.22515	4.841225e+03	598631.3	0
Residuals	4366	35.30852	8.087156e-03	NA	NA

Visualization

