

Length-weight relationship of *Trachurus trachurus*  
 from Slovenia, sampled from 22.08.1995 to 12.08.2003  
 (n = 113, length range from 6.80 cm to 17.00 cm,  
 specimen condition: mixed)

- Authors: Bojan Marčeta, Žiga Sanda
- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 14.01.2021
- Country: SVN
- Species: *Trachurus trachurus*
- Length type: SL (biometry\_id = 74)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 22.08.1995
- Sampled to: 12.08.2003
- n: 113
- L min [cm]: 6.80
- L max [cm]: 17.00
- W min [g]: 5.00
- W max [g]: 69.00
- Data transformation: natural logarithm
- a: 0.0245328
- b: 2.7721559

## Statistics - summary

### Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.3702 -0.0432  0.0370  0.0714  0.2081
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -3.7077      0.1415   -26.2  <2e-16 ***
## ln_l_x         2.7722      0.0629    44.1  <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.112 on 111 degrees of freedom
## Multiple R-squared:  0.946, Adjusted R-squared:  0.945
## F-statistic: 1.94e+03 on 1 and 111 DF, p-value: <2e-16
```

### ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	24.416427	24.41642745	1943.682	3.53378e-72
Residuals	111	1.394376	0.01256195	NA	NA

## Visualization

