

Length-weight relationship of *Thymallus thymallus*  
 from Slovenia, sampled from 26.05.2011 to 21.09.2020  
 (n = 4890, length range from 6.50 cm to 51.10 cm,  
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 19.01.2021
- Country: SVN
- Species: *Thymallus thymallus*
- Length type: TL (biometry\_id = 76)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 26.05.2011
- Sampled to: 21.09.2020
- n: 4890
- L min [cm]: 6.50
- L max [cm]: 51.10
- W min [g]: 2.10
- W max [g]: 1207.00
- Data transformation: natural logarithm
- a: 0.0050584
- b: 3.1685529

## Statistics - summary

### Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.5607 -0.0751 -0.0016  0.0692  0.5379
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -5.28670    0.01097   -482   <2e-16 ***
## ln_l_x       3.16855    0.00354    894   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.108 on 4888 degrees of freedom
## Multiple R-squared:  0.994, Adjusted R-squared:  0.994
## F-statistic: 7.99e+05 on 1 and 4888 DF, p-value: <2e-16
```

### ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	9391.94837	9.391948e+03	799409	0
Residuals	4888	57.42723	1.174861e-02	NA	NA

## Visualization

