

Length-weight relationship of *Scardinius erythrophthalmus*
 from Slovenia, sampled from 17.05.2011 to 06.10.2020
 (n = 707, length range from 4.20 cm to 35.90 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 14.01.2021
- Country: SVN
- Species: *Scardinius erythrophthalmus*
- Length type: TL (biometry_id = 76)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 17.05.2011
- Sampled to: 06.10.2020
- n: 707
- L min [cm]: 4.20
- L max [cm]: 35.90
- W min [g]: 1.00
- W max [g]: 766.00
- Data transformation: natural logarithm
- a: 0.0061095
- b: 3.2739500

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.6149 -0.0863 -0.0061  0.0707  0.7394
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -5.0979     0.0368   -138 <2e-16 ***
## ln_l_x         3.2739     0.0139    235 <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.145 on 705 degrees of freedom
## Multiple R-squared:  0.987, Adjusted R-squared:  0.987
## F-statistic: 5.53e+04 on 1 and 705 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	1165.12381	1.165124e+03	55291.42	0
Residuals	705	14.85605	2.107242e-02	NA	NA

Visualization

