

Length-weight relationship of *Rutilus rutilus*
 from Slovenia, sampled from 05.07.2011 to 20.10.2020
 (n = 5056, length range from 4.30 cm to 34.30 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 18.01.2021
- Country: SVN
- Species: *Rutilus rutilus*
- Length type: TL (biometry_id = 76)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 05.07.2011
- Sampled to: 20.10.2020
- n: 5056
- L min [cm]: 4.30
- L max [cm]: 34.30
- W min [g]: 1.00
- W max [g]: 556.60
- Data transformation: natural logarithm
- a: 0.0071744
- b: 3.1745035

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.7642 -0.0631  0.0002  0.0657  0.5680
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -4.93724    0.01005   -491   <2e-16 ***
## ln_l_x       3.17450    0.00389    816   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.105 on 5054 degrees of freedom
## Multiple R-squared:  0.992, Adjusted R-squared:  0.992
## F-statistic: 6.67e+05 on 1 and 5054 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	7377.58916	7.377589e+03	666514.5	0
Residuals	5054	55.94227	1.106891e-02	NA	NA

Visualization

