

Length-weight relationship of *Perca fluviatilis*
 from Slovenia, sampled from 12.07.2011 to 05.11.2020
 (n = 5712, length range from 4.10 cm to 34.00 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 18.01.2021
- Country: SVN
- Species: *Perca fluviatilis*
- Length type: TL (biometry_id = 76)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 12.07.2011
- Sampled to: 05.11.2020
- n: 5712
- L min [cm]: 4.10
- L max [cm]: 34.00
- W min [g]: 1.00
- W max [g]: 548.00
- Data transformation: natural logarithm
- a: 0.0081885
- b: 3.1593674

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.6478 -0.0662 -0.0093  0.0560  0.6156
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -4.80503    0.01056   -455 <2e-16 ***
## ln_l_x       3.15937    0.00413    764 <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.103 on 5710 degrees of freedom
## Multiple R-squared:  0.99, Adjusted R-squared:  0.99
## F-statistic: 5.84e+05 on 1 and 5710 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	6154.67779	6.154678e+03	584386.5	0
Residuals	5710	60.13693	1.053186e-02	NA	NA

Visualization

