

Length-weight relationship of *Alburnoides bipunctatus*
 from Slovenia, sampled from 20.04.2010 to 22.10.2020
 (n = 3609, length range from 4.50 cm to 16.80 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 19.01.2021
- Country: SVN
- Species: *Alburnoides bipunctatus*
- Length type: TL (biometry_id = 76)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 20.04.2010
- Sampled to: 22.10.2020
- n: 3609
- L min [cm]: 4.50
- L max [cm]: 16.80
- W min [g]: 1.00
- W max [g]: 53.00
- Data transformation: natural logarithm
- a: 0.0075502
- b: 3.1174872

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.5055 -0.0758 -0.0053  0.0783  0.5171
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -4.88619    0.01577   -310 <2e-16 ***
## ln_l_x       3.11749    0.00745    419 <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.126 on 3607 degrees of freedom
## Multiple R-squared:  0.98, Adjusted R-squared:  0.98
## F-statistic: 1.75e+05 on 1 and 3607 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	2791.73690	2.791737e+03	175322.4	0
Residuals	3607	57.43589	1.592345e-02	NA	NA

Visualization

