

Length-weight relationship of *Alburnus arborella*  
 from Slovenia, sampled from 05.07.2011 to 09.07.2020  
 (n = 714, length range from 4.20 cm to 18.10 cm,  
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 20.01.2021
- Country: SVN
- Species: *Alburnus arborella*
- Length type: TL (biometry\_id = 76)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 05.07.2011
- Sampled to: 09.07.2020
- n: 714
- L min [cm]: 4.20
- L max [cm]: 18.10
- W min [g]: 1.00
- W max [g]: 46.00
- Data transformation: natural logarithm
- a: 0.0085535
- b: 3.0131905

## Statistics - summary

### Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.6167 -0.0933 -0.0093  0.0946  0.4372
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -4.7614     0.0401   -119 <2e-16 ***
## ln_l_x         3.0132     0.0192    157 <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.147 on 712 degrees of freedom
## Multiple R-squared:  0.972, Adjusted R-squared:  0.972
## F-statistic: 2.47e+04 on 1 and 712 DF, p-value: <2e-16
```

### ANOVA:

```
##              Df    Sum Sq    Mean Sq  F value Pr(>F)
## ln_l_x         1 530.91760 530.91759889 24666.02    0
## Residuals    712  15.32527  0.02152425    NA    NA
```

## Visualization

