

Length-weight relationship of *Vimba vimba*  
 from Slovenia, sampled from 21.04.2010 to 05.11.2020  
 (n = 1456, length range from 6.40 cm to 38.10 cm,  
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 18.01.2021
- Country: SVN
- Species: *Vimba vimba*
- Length type: TL (biometry\_id = 76)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 21.04.2010
- Sampled to: 05.11.2020
- n: 1456
- L min [cm]: 6.40
- L max [cm]: 38.10
- W min [g]: 2.30
- W max [g]: 498.00
- Data transformation: natural logarithm
- a: 0.0065189
- b: 3.1135620

## Statistics - summary

### Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.4774 -0.0567 -0.0005  0.0558  0.3923
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -5.03304    0.02330   -216   <2e-16 ***
## ln_l_x       3.11356    0.00829    375   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.0951 on 1454 degrees of freedom
## Multiple R-squared:  0.99,    Adjusted R-squared:  0.99
## F-statistic: 1.41e+05 on 1 and 1454 DF,  p-value: <2e-16
```

### ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	1274.12942	1.274129e+03	140950.1	0
Residuals	1454	13.14355	9.039581e-03	NA	NA

## Visualization

