

Length-weight relationship of *Romanogobio vladykovi*
 from Slovenia, sampled from 20.04.2010 to 17.09.2020
 (n = 393, length range from 5.10 cm to 14.00 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 20.01.2021
- Country: SVN
- Species: *Romanogobio vladykovi*
- Length type: TL (biometry_id = 76)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 20.04.2010
- Sampled to: 17.09.2020
- n: 393
- L min [cm]: 5.10
- L max [cm]: 14.00
- W min [g]: 1.00
- W max [g]: 22.00
- Data transformation: natural logarithm
- a: 0.0071916
- b: 3.0796094

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.2466 -0.0857 -0.0197  0.0622  0.5344
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -4.9348     0.0735   -67.1   <2e-16 ***
## ln_l_x         3.0796     0.0315    97.9   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.124 on 391 degrees of freedom
## Multiple R-squared:  0.961, Adjusted R-squared:  0.961
## F-statistic: 9.58e+03 on 1 and 391 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	147.099562	147.09956186	9577.662	4.479862e-277
Residuals	391	6.005216	0.01535861	NA	NA

Visualization

