

Length-weight relationship of *Padogobius bonelli*  
from Slovenia, sampled from 14.08.2013 to 27.05.2015  
(n = 172, length range from 4.10 cm to 7.00 cm,  
specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 20.01.2021
- Country: SVN
- Species: *Padogobius bonelli*
- Length type: TL (biometry\_id = 76)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 14.08.2013
- Sampled to: 27.05.2015
- n: 172
- L min [cm]: 4.10
- L max [cm]: 7.00
- W min [g]: 1.00
- W max [g]: 5.30
- Data transformation: natural logarithm
- a: 0.0139309
- b: 2.9792979

## Statistics - summary

### Linear model:

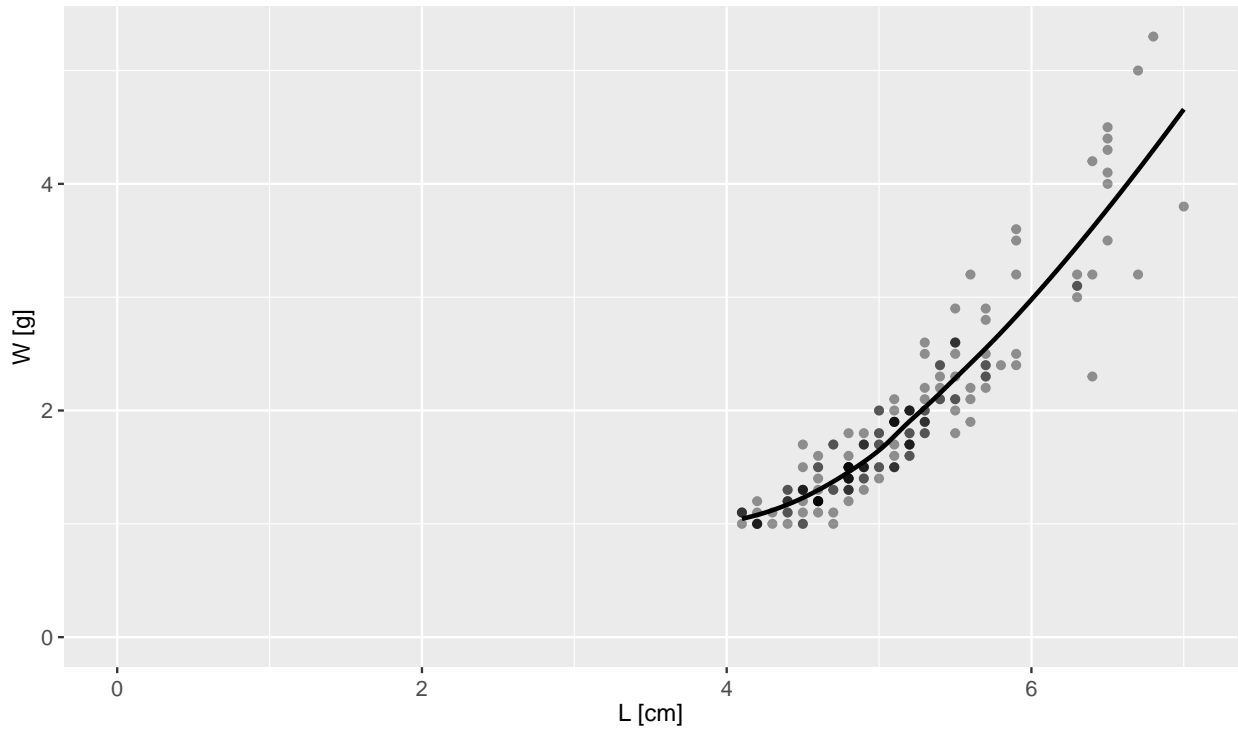
```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.4239 -0.0906 -0.0019  0.0858  0.3232
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -4.2736     0.1375   -31.1   <2e-16 ***
## ln_l_x         2.9793     0.0843    35.4   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.132 on 170 degrees of freedom
## Multiple R-squared:  0.88,    Adjusted R-squared:  0.88
## F-statistic: 1.25e+03 on 1 and 170 DF,  p-value: <2e-16
```

### ANOVA:

```
##           Df  Sum Sq  Mean Sq  F value  Pr(>F)
## ln_l_x     1 21.656837 21.65683669 1250.396 2.797528e-80
## Residuals 170  2.944397  0.01731998      NA      NA
```

# Visualization

*Padogobius bonelli*



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