

Length-weight relationship of *Squilla mantis*
 from Slovenia, sampled from 25.05.1999 to 17.07.2020
 (n = 261, length range from 1.90 cm to 4.80 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 14.01.2021
- Country: SVN
- Species: *Squilla mantis*
- Length type: CL (biometry_id = 89)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 25.05.1999
- Sampled to: 17.07.2020
- n: 261
- L min [cm]: 1.90
- L max [cm]: 4.80
- W min [g]: 12.00
- W max [g]: 170.00
- Data transformation: natural logarithm
- a: 3.8906358
- b: 2.2255758

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.6284 -0.1154 -0.0104  0.1204  0.4757
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)   1.3586     0.0814   16.7 <2e-16 ***
## ln_l_x         2.2256     0.0699   31.8 <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.189 on 259 degrees of freedom
## Multiple R-squared:  0.796, Adjusted R-squared:  0.796
## F-statistic: 1.01e+03 on 1 and 259 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	36.159651	36.15965078	1013.3	1.666584e-91
Residuals	259	9.242421	0.03568502	NA	NA

Visualization

