

Length-weight relationship of *Eledone moschata*  
 from Slovenia, sampled from 22.11.1995 to 21.10.2020  
 (n = 3490, length range from 3.30 cm to 14.50 cm,  
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 13.01.2021
- Country: SVN
- Species: *Eledone moschata*
- Length type: ML (biometry\_id = 184)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 22.11.1995
- Sampled to: 21.10.2020
- n: 3490
- L min [cm]: 3.30
- L max [cm]: 14.50
- W min [g]: 12.00
- W max [g]: 869.00
- Data transformation: natural logarithm
- a: 0.7762214
- b: 2.5952158

## Statistics - summary

### Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.9799 -0.1589 -0.0037  0.1597  0.9115
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -0.2533     0.0453   -5.6 2.4e-08 ***
## ln_l_x         2.5952     0.0216  120.1 < 2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.245 on 3488 degrees of freedom
## Multiple R-squared:  0.805, Adjusted R-squared:  0.805
## F-statistic: 1.44e+04 on 1 and 3488 DF, p-value: <2e-16
```

### ANOVA:

```
##              Df  Sum Sq  Mean Sq  F value Pr(>F)
## ln_l_x         1 867.9917 867.99171314 14423.92    0
## Residuals 3488 209.8982  0.06017724    NA    NA
```

## Visualization

