

Length-weight relationship of *Eledone moschata*
 from Slovenia, sampled from 22.01.1996 to 26.03.2003
 (n = 500, length range from 15.30 cm to 65.00 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 10.02.2021
- Country: SVN
- Species: *Eledone moschata*
- Length type: TL (biometry_id = 199)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 22.01.1996
- Sampled to: 26.03.2003
- n: 500
- L min [cm]: 15.30
- L max [cm]: 65.00
- W min [g]: 15.00
- W max [g]: 732.00
- Data transformation: natural logarithm
- a: 0.0139678
- b: 2.6702843

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.4695 -0.1098  0.0099  0.1129  0.6059
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -4.2710     0.1426   -30.0   <2e-16 ***
## ln_l_x         2.6703     0.0415    64.4   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.169 on 498 degrees of freedom
## Multiple R-squared:  0.893, Adjusted R-squared:  0.893
## F-statistic: 4.14e+03 on 1 and 498 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	118.80772	118.80772391	4144.822	1.442197e-243
Residuals	498	14.27474	0.02866413	NA	NA

Visualization

