

Length-weight relationship of *Alloteuthis media*
 from Slovenia, sampled from 25.07.1995 to 08.08.2020
 (n = 3215, length range from 1.70 cm to 10.60 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 13.01.2021
- Country: SVN
- Species: *Alloteuthis media*
- Length type: ML (biometry_id = 184)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 25.07.1995
- Sampled to: 08.08.2020
- n: 3215
- L min [cm]: 1.70
- L max [cm]: 10.60
- W min [g]: 1.00
- W max [g]: 17.70
- Data transformation: natural logarithm
- a: 0.1958675
- b: 1.9563538

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.8252 -0.1155 -0.0004  0.1229  0.9977
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -1.6303     0.0192   -84.8   <2e-16 ***
## ln_l_x         1.9564     0.0117   167.2   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.192 on 3213 degrees of freedom
## Multiple R-squared:  0.897, Adjusted R-squared:  0.897
## F-statistic: 2.8e+04 on 1 and 3213 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	1036.5276	1.036528e+03	27971.95	0
Residuals	3213	119.0608	3.705596e-02	NA	NA

Visualization

