

Length-weight relationship of *Loligo vulgaris*
 from Slovenia, sampled from 22.11.1995 to 21.10.2020
 (n = 4922, length range from 2.00 cm to 44.60 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 13.01.2021
- Country: SVN
- Species: *Loligo vulgaris*
- Length type: ML (biometry_id = 184)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 22.11.1995
- Sampled to: 21.10.2020
- n: 4922
- L min [cm]: 2.00
- L max [cm]: 44.60
- W min [g]: 0.79
- W max [g]: 1020.00
- Data transformation: natural logarithm
- a: 0.1420694
- b: 2.4311818

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.7890 -0.0828  0.0067  0.0911  0.8771
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -1.95144    0.01045   -187   <2e-16 ***
## ln_l_x       2.43118    0.00458    531   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.151 on 4920 degrees of freedom
## Multiple R-squared:  0.983, Adjusted R-squared:  0.983
## F-statistic: 2.82e+05 on 1 and 4920 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	6415.4674	6.415467e+03	282026.7	0
Residuals	4920	111.9188	2.274773e-02	NA	NA

Visualization

