

Length-weight relationship of *Loligo vulgaris*
 from Slovenia, sampled from 22.01.1996 to 07.04.1999
 (n = 245, length range from 7.80 cm to 65.50 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 13.01.2021
- Country: SVN
- Species: *Loligo vulgaris*
- Length type: TL (biometry_id = 199)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 22.01.1996
- Sampled to: 07.04.1999
- n: 245
- L min [cm]: 7.80
- L max [cm]: 65.50
- W min [g]: 5.20
- W max [g]: 1020.00
- Data transformation: natural logarithm
- a: 0.0183345
- b: 2.6917446

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.3401 -0.0715 -0.0011  0.0798  0.2626
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -3.9990     0.0526    -76   <2e-16 ***
## ln_l_x         2.6917     0.0183    147   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.112 on 243 degrees of freedom
## Multiple R-squared:  0.989, Adjusted R-squared:  0.989
## F-statistic: 2.16e+04 on 1 and 243 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	273.383943	273.38394329	21642.14	1.714383e-239
Residuals	243	3.069581	0.01263202	NA	NA

Visualization

