

Length-weight relationship of *Mustelus mustelus*
 from Slovenia, sampled from 16.06.1996 to 17.10.2019
 (n = 119, length range from 26.20 cm to 135.50 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 10.02.2021
- Country: SVN
- Species: *Mustelus mustelus*
- Length type: TLmax (biometry_id = 75)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 16.06.1996
- Sampled to: 17.10.2019
- n: 119
- L min [cm]: 26.20
- L max [cm]: 135.50
- W min [g]: 43.00
- W max [g]: 8000.00
- Data transformation: natural logarithm
- a: 0.0046797
- b: 2.8938529

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.5918 -0.0362  0.0208  0.0610  0.2578
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -5.3645     0.1527   -35.1   <2e-16 ***
## ln_l_x         2.8939     0.0379    76.4   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.131 on 117 degrees of freedom
## Multiple R-squared:  0.98,    Adjusted R-squared:  0.98
## F-statistic: 5.84e+03 on 1 and 117 DF,  p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	100.13007	100.1300715	5841.689	1.032064e-101
Residuals	117	2.00545	0.0171406	NA	NA

Visualization

