

Length-weight relationship of *Mustelus punctulatus*
 from Slovenia, sampled from 25.07.1995 to 21.10.2020
 (n = 137, length range from 27.80 cm to 118.00 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 10.02.2021
- Country: SVN
- Species: *Mustelus punctulatus*
- Length type: TLmax (biometry_id = 75)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 25.07.1995
- Sampled to: 21.10.2020
- n: 137
- L min [cm]: 27.80
- L max [cm]: 118.00
- W min [g]: 61.00
- W max [g]: 6400.00
- Data transformation: natural logarithm
- a: 0.0015826
- b: 3.1555245

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.1911 -0.0609 -0.0124  0.0398  0.2010
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -6.4487     0.0841   -76.6   <2e-16 ***
## ln_l_x         3.1555     0.0216   146.0   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.0831 on 135 degrees of freedom
## Multiple R-squared:  0.994, Adjusted R-squared:  0.994
## F-statistic: 2.13e+04 on 1 and 135 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	147.4033228	1.474033e+02	21321.6	1.796765e-150
Residuals	135	0.9333001	6.913334e-03	NA	NA

Visualization

