

Length-weight relationship of *Spicara flexuosa*
 from Slovenia, sampled from 24.04.1995 to 21.10.2020
 (n = 6745, length range from 6.60 cm to 23.00 cm,
 specimen condition: mixed)

- Authors: Bojan Marčeta, Žiga Sanda
- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 14.01.2021
- Country: SVN
- Species: *Spicara flexuosa*
- Length type: TLmax (biometry_id = 78)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 24.04.1995
- Sampled to: 21.10.2020
- n: 6745
- L min [cm]: 6.60
- L max [cm]: 23.00
- W min [g]: 3.10
- W max [g]: 141.00
- Data transformation: natural logarithm
- a: 0.0097555
- b: 3.0399438

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.4832 -0.0557 -0.0018  0.0565  0.6921
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -4.62992    0.01544   -300    <2e-16 ***
## ln_l_x       3.03994    0.00591    515    <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.0925 on 6743 degrees of freedom
## Multiple R-squared:  0.975, Adjusted R-squared:  0.975
## F-statistic: 2.65e+05 on 1 and 6743 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	2266.91902	2.266919e+03	264931.9	0
Residuals	6743	57.69722	8.556609e-03	NA	NA

Visualization

