

Length-weight relationship of *Spicara flexuosum* from Slovenia, sampled from 24.04.1995 to 29.05.2024 (n = 8824, length range from 6.60 cm to 23.00 cm, specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 26.11.2024
- Country: SVN
- Species: *Spicara flexuosum*
- Length type: TLmax (biometry_id = 78)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 24.04.1995
- Sampled to: 29.05.2024
- n: 8824
- L min [cm]: 6.60
- L max [cm]: 23.00
- W min [g]: 3.10
- W max [g]: 170.00
- Data transformation: natural logarithm
- a: 0.0094979
- b: 3.0494247

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.7007 -0.0546 -0.0002  0.0557  0.7090
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -4.65668    0.01352   -344    <2e-16 ***
## ln_l_x       3.04942    0.00521    586    <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.0928 on 8822 degrees of freedom
## Multiple R-squared:  0.975, Adjusted R-squared:  0.975
## F-statistic: 3.43e+05 on 1 and 8822 DF, p-value: <2e-16
```

ANOVA:

```
##              Df      Sum Sq      Mean Sq  F value Pr(>F)
## ln_l_x         1 2955.87448 2.955874e+03 342980.8      0
## Residuals 8822   76.02969 8.618192e-03      NA      NA
```

Visualization

