

Length-weight relationship of *Silurus glanis*
 from Slovenia, sampled from 20.04.2010 to 08.09.2020
 (n = 111, length range from 11.50 cm to 150.00 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 18.01.2021
- Country: SVN
- Species: *Silurus glanis*
- Length type: TL (biometry_id = 76)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 20.04.2010
- Sampled to: 08.09.2020
- n: 111
- L min [cm]: 11.50
- L max [cm]: 150.00
- W min [g]: 13.00
- W max [g]: 23000.00
- Data transformation: natural logarithm
- a: 0.0075768
- b: 2.9435185

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.6744 -0.0934 -0.0031  0.0752  0.7846
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)   -4.883      0.121   -40.2   <2e-16 ***
## ln_l_x         2.943      0.033    89.2   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.184 on 109 degrees of freedom
## Multiple R-squared:  0.986, Adjusted R-squared:  0.986
## F-statistic: 7.96e+03 on 1 and 109 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	269.406639	269.40663853	7963.41	9.844638e-104
Residuals	109	3.687532	0.03383056	NA	NA

Visualization

