

Length-weight relationship of *Pagellus erythrinus*
 from Slovenia, sampled from 03.08.1995 to 21.10.2020
 (n = 2541, length range from 5.50 cm to 39.30 cm,
 specimen condition: mixed)

- Authors: Bojan Marčeta, Žiga Sanda
- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 13.01.2021
- Country: SVN
- Species: *Pagellus erythrinus*
- Length type: TLmax (biometry_id = 78)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 03.08.1995
- Sampled to: 21.10.2020
- n: 2541
- L min [cm]: 5.50
- L max [cm]: 39.30
- W min [g]: 1.93
- W max [g]: 735.00
- Data transformation: natural logarithm
- a: 0.0166116
- b: 2.9111670

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.3721 -0.0497 -0.0030  0.0442  0.4214
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -4.09765    0.01793   -229 <2e-16 ***
## ln_l_x       2.91117    0.00649    449 <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.0771 on 2539 degrees of freedom
## Multiple R-squared:  0.988, Adjusted R-squared:  0.988
## F-statistic: 2.01e+05 on 1 and 2539 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	1198.06881	1.198069e+03	201305.2	0
Residuals	2539	15.11087	5.951503e-03	NA	NA

Visualization

