

Length-weight relationship of *Pagellus erythrinus*
 from Slovenia, sampled from 03.08.1995 to 12.08.2003
 (n = 742, length range from 5.70 cm to 31.30 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 13.01.2021
- Country: SVN
- Species: *Pagellus erythrinus*
- Length type: SL (biometry_id = 74)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 03.08.1995
- Sampled to: 12.08.2003
- n: 742
- L min [cm]: 5.70
- L max [cm]: 31.30
- W min [g]: 5.40
- W max [g]: 735.00
- Data transformation: natural logarithm
- a: 0.0325266
- b: 2.9298586

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.3285 -0.0467  0.0013  0.0468  0.2986
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -3.4257     0.0263   -130 <2e-16 ***
## ln_l_x         2.9299     0.0103    285 <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.0705 on 740 degrees of freedom
## Multiple R-squared:  0.991, Adjusted R-squared:  0.991
## F-statistic: 8.13e+04 on 1 and 740 DF, p-value: <2e-16
```

ANOVA:

```
##              Df      Sum Sq      Mean Sq  F value Pr(>F)
## ln_l_x         1 404.231560 4.042316e+02 81349.91      0
## Residuals    740   3.677095 4.969048e-03      NA      NA
```

Visualization

