

Length-weight relationship of *Diplodus annularis*
 from Slovenia, sampled from 25.07.1995 to 16.01.2004
 (n = 497, length range from 5.50 cm to 15.60 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 13.01.2021
- Country: SVN
- Species: *Diplodus annularis*
- Length type: SL (biometry_id = 74)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 25.07.1995
- Sampled to: 16.01.2004
- n: 497
- L min [cm]: 5.50
- L max [cm]: 15.60
- W min [g]: 5.10
- W max [g]: 139.00
- Data transformation: natural logarithm
- a: 0.0300715
- b: 3.0750223

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.3303 -0.0586  0.0094  0.0708  0.3177
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -3.5042     0.0558   -62.8  <2e-16 ***
## ln_l_x         3.0750     0.0240   128.1  <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.0963 on 495 degrees of freedom
## Multiple R-squared:  0.971, Adjusted R-squared:  0.971
## F-statistic: 1.64e+04 on 1 and 495 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	152.342038	1.523420e+02	16421.06	0
Residuals	495	4.592231	9.277234e-03	NA	NA

Visualization

