

Length-weight relationship of *Platichthys flesus*  
 from Slovenia, sampled from 22.01.1996 to 23.02.2005  
 (n = 161, length range from 10.10 cm to 29.60 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: *Platichthys flesus*
- Length type: SL (biometry\_id = 74)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 22.01.1996
- Sampled to: 23.02.2005
- n: 161
- L min [cm]: 10.10
- L max [cm]: 29.60
- W min [g]: 14.30
- W max [g]: 625.00
- Data transformation: natural logarithm
- a: 0.0066190
- b: 3.3335871

## Statistics - summary

### Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.3032 -0.0743  0.0017  0.0727  0.2627
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -5.0178     0.1015   -49.5 <2e-16 ***
## ln_l_x         3.3336     0.0371    89.8 <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.111 on 159 degrees of freedom
## Multiple R-squared:  0.981, Adjusted R-squared:  0.981
## F-statistic: 8.07e+03 on 1 and 159 DF, p-value: <2e-16
```

### ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	100.25815	100.25814987	8069.985	3.513858e-138
Residuals	159	1.97535	0.01242359	NA	NA

## Visualization

