

Length-weight relationship of *Trachurus mediterraneus*
 from Slovenia, sampled from 16.06.1996 to 20.12.2005
 (n = 164, length range from 7.30 cm to 34.40 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 14.01.2021
- Country: SVN
- Species: *Trachurus mediterraneus*
- Length type: SL (biometry_id = 74)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 16.06.1996
- Sampled to: 20.12.2005
- n: 164
- L min [cm]: 7.30
- L max [cm]: 34.40
- W min [g]: 4.70
- W max [g]: 507.00
- Data transformation: natural logarithm
- a: 0.0138553
- b: 3.0148637

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.17765 -0.03486  0.00461  0.04118  0.18802
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -4.2791     0.0409   -105 <2e-16 ***
## ln_l_x         3.0149     0.0163    185 <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.0667 on 162 degrees of freedom
## Multiple R-squared:  0.995, Adjusted R-squared:  0.995
## F-statistic: 3.43e+04 on 1 and 162 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	152.3890313	1.523890e+02	34296.53	1.766867e-190
Residuals	162	0.7198111	4.443279e-03	NA	NA

Visualization

