

Length-weight relationship of *Liza aurata*
 from Slovenia, sampled from 06.04.1996 to 20.12.2005
 (n = 199, length range from 14.90 cm to 32.80 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 13.01.2021
- Country: SVN
- Species: *Liza aurata*
- Length type: SL (biometry_id = 74)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 06.04.1996
- Sampled to: 20.12.2005
- n: 199
- L min [cm]: 14.90
- L max [cm]: 32.80
- W min [g]: 58.00
- W max [g]: 673.00
- Data transformation: natural logarithm
- a: 0.0123981
- b: 3.0908548

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.20933 -0.05716 -0.00109  0.04751  0.23359
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -4.3902     0.1800   -24.4   <2e-16 ***
## ln_l_x         3.0909     0.0574    53.9   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.0828 on 197 degrees of freedom
## Multiple R-squared:  0.936, Adjusted R-squared:  0.936
## F-statistic: 2.9e+03 on 1 and 197 DF,  p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	19.908638	19.908637964	2902.295	7.652377e-120
Residuals	197	1.351345	0.006859619	NA	NA

Visualization

