

Length-weight relationship of *Oncorhynchus mykiss*
 from Slovenia, sampled from 05.07.2011 to 28.11.2020
 (n = 4505, length range from 8.90 cm to 68.30 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 13.01.2021
- Country: SVN
- Species: *Oncorhynchus mykiss*
- Length type: TL (biometry_id = 76)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 05.07.2011
- Sampled to: 28.11.2020
- n: 4505
- L min [cm]: 8.90
- L max [cm]: 68.30
- W min [g]: 10.00
- W max [g]: 3650.00
- Data transformation: natural logarithm
- a: 0.0107525
- b: 2.9862692

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.4880 -0.0696 -0.0036  0.0660  0.5145
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -4.53262    0.01208   -375 <2e-16 ***
## ln_l_x       2.98627    0.00398    751 <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.111 on 4503 degrees of freedom
## Multiple R-squared:  0.992, Adjusted R-squared:  0.992
## F-statistic: 5.64e+05 on 1 and 4503 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	6971.79565	6.971796e+03	564185.8	0
Residuals	4503	55.64478	1.235727e-02	NA	NA

Visualization

