

Length-weight relationship of *Telestes muticellus*
from Slovenia, sampled from 19.06.2012 to 19.06.2024
(n = 401, length range from 3.20 cm to 20.00 cm,
specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 25.11.2024
- Country: SVN
- Species: *Telestes muticellus*
- Length type: TL (biometry_id = 76)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 19.06.2012
- Sampled to: 19.06.2024
- n: 401
- L min [cm]: 3.20
- L max [cm]: 20.00
- W min [g]: 0.30
- W max [g]: 54.00
- Data transformation: natural logarithm
- a: 0.0090859
- b: 3.0535983

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
```

	Min	1Q	Median	3Q	Max
	-0.5347	-0.0778	0.0031	0.0763	0.3557

```
##
## Coefficients:
```

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	-4.7010	0.0672	-70	<2e-16 ***
ln_l_x	3.0536	0.0281	109	<2e-16 ***

```
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.124 on 399 degrees of freedom
## Multiple R-squared:  0.967, Adjusted R-squared:  0.967
## F-statistic: 1.18e+04 on 1 and 399 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	181.622360	181.62236016	11830.34	1.162914e-298
Residuals	399	6.125549	0.01535225	NA	NA

Visualization

