

Length-weight relationship of *Gobius niger*
from Slovenia, sampled from 25.07.1995 to 20.12.2005
(n = 235, length range from 4.25 cm to 11.50 cm,
specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 13.01.2021
- Country: SVN
- Species: *Gobius niger*
- Length type: SL (biometry_id = 74)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 25.07.1995
- Sampled to: 20.12.2005
- n: 235
- L min [cm]: 4.25
- L max [cm]: 11.50
- W min [g]: 1.10
- W max [g]: 36.30
- Data transformation: natural logarithm
- a: 0.0150123
- b: 3.1515441

Statistics - summary

Linear model:

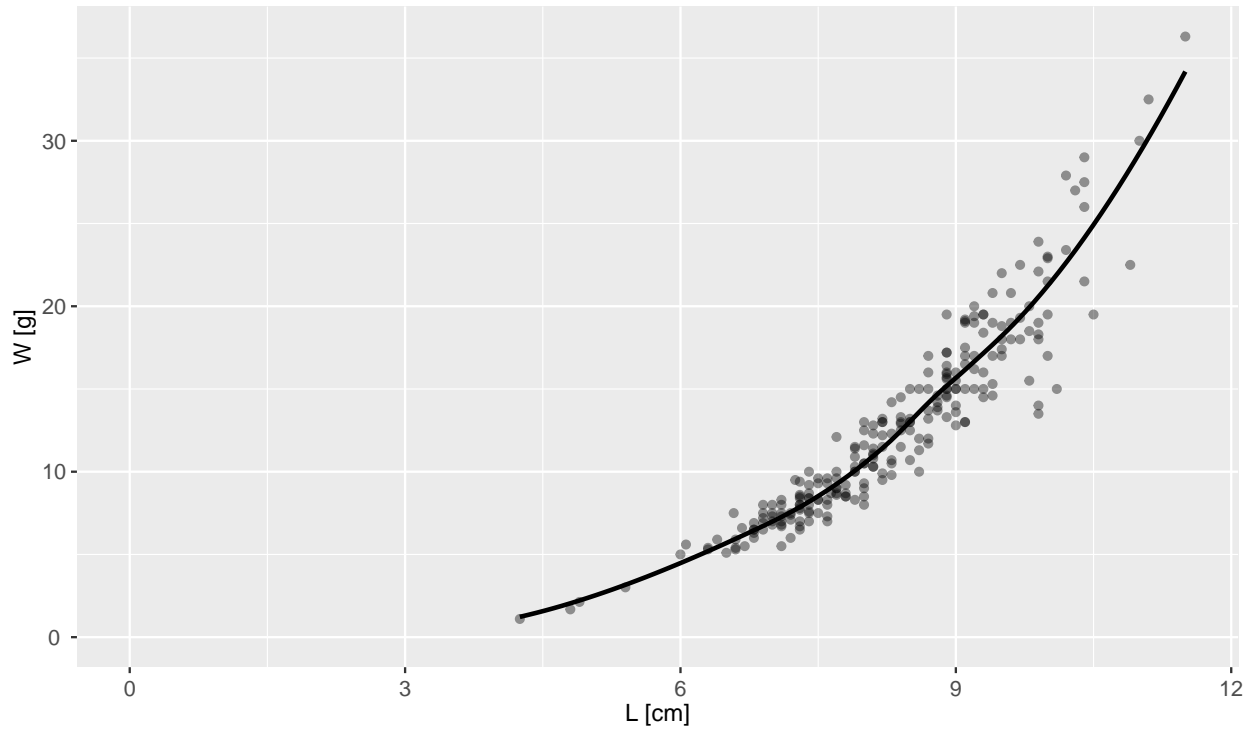
```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.4235 -0.0786  0.0102  0.0857  0.2799
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  -4.1989     0.1194   -35.2   <2e-16 ***
## ln_l_x         3.1515     0.0566    55.7   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.129 on 233 degrees of freedom
## Multiple R-squared:  0.93,    Adjusted R-squared:  0.93
## F-statistic: 3.1e+03 on 1 and 233 DF,  p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	51.531796	51.53179640	3103.64	1.160902e-136
Residuals	233	3.868653	0.01660366	NA	NA

Visualization

Gobius niger



Gobius niger

