

Length-weight relationship of *Penaeus kerathurus*
 from Slovenia, sampled from 03.01.2002 to 03.11.2020
 (n = 165, length range from 10.60 cm to 22.10 cm,
 specimen condition: mixed)

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- Data source: BIOS, Fisheries Research Institute of Slovenia
- Analysed on: 13.01.2021
- Country: SVN
- Species: *Penaeus kerathurus*
- Length type: TL (biometry_id = 86)
- Season: combined
- Sex: mixed
- Specimen condition: mixed
- Sampled from: 03.01.2002
- Sampled to: 03.11.2020
- n: 165
- L min [cm]: 10.60
- L max [cm]: 22.10
- W min [g]: 8.50
- W max [g]: 88.00
- Data transformation: natural logarithm
- a: 0.0099076
- b: 2.9232011

Statistics - summary

Linear model:

```
##
## Call:
## lm(formula = ln_w_y ~ ln_l_x, data = data_clean)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -0.3759 -0.1007 -0.0362  0.0365  0.4909
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)   -4.614      0.216   -21.4   <2e-16 ***
## ln_l_x         2.923      0.078    37.5   <2e-16 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.162 on 163 degrees of freedom
## Multiple R-squared:  0.896, Adjusted R-squared:  0.895
## F-statistic: 1.4e+03 on 1 and 163 DF, p-value: <2e-16
```

ANOVA:

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
ln_l_x	1	37.044375	37.04437530	1404.864	4.947357e-82
Residuals	163	4.298092	0.02636866	NA	NA

Visualization

