

Length-weight relationship of *Gymnocephalus cernua* from Slovenia, sampled from 22.7.2013 to 5.6.2019 (n = 814, length range from 4.0 cm to 17.4 cm, specimen condition: mixed)

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 Data source: **BIOS, Fisheries Research Institute of Slovenia**
 Analysed on: **28.08.2019**
 Country: **SVN**
 Species: ***Gymnocephalus cernua***
 Length type: **TL (biometry_id = 76)**
 Season: **combined**
 Sex: **mixed**
 Specimen condition: **mixed**
 Sampled from: **22.07.2013**
 Sampled to: **05.06.2019**
 n: **814**
 L min: **4.0 cm**
 L max: **17.4 cm**
 Data transformation: **natural logarithm**
 a: **0.014870939**
 b: **2.944009055**

| DATA ANALYSIS | Ref# |
|--|-------------|
| Linear regression analysis by using the "least squares" method | 6553 |
| SELECT CONDITIONS | NOTES |
| | |

SUMMARY OUTPUT

| Regression Statistics | |
|-----------------------|-------------|
| Multiple R | 0.979240094 |
| R Square | 0.958911163 |
| Adjusted R Square | 0.958860561 |
| Standard Error | 0.106563408 |
| Observations | 814 |

ANOVA

| | df | SS | MS | F | Significance F |
|------------|-----|-------------|-------------|-------------|----------------|
| Regression | 1 | 215.1923147 | 215.1923147 | 18950.05833 | 0 |
| Residual | 812 | 9.220877134 | 0.01135576 | | |
| Total | 813 | 224.4131918 | | | |

| | Coefficients | Standard Error | t Stat | P-value | Lower 95% | Upper 95% | Lower 95.0% | Upper 95.0% |
|--------------|--------------|----------------|-------------|---------|--------------|--------------|--------------|--------------|
| Intercept | -4.208346367 | 0.05066961 | -83.0546438 | 0 | -4.307805225 | -4.108887508 | -4.307805225 | -4.108887508 |
| X Variable 1 | 2.944009055 | 0.021386212 | 137.6592108 | 0 | 2.902030278 | 2.985987832 | 2.902030278 | 2.985987832 |

