

Length-weight relationship of *Cottus gobio* from Slovenia, sampled from 20.4.2010 to 25.9.2013 (n = 344, length range from 2.3 cm to 9.3 cm)

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 Data source: **BIOS, Fisheries Research Institute of Slovenia**
 Analysed on: **6.11.2013**
 Country: **SVN**
 Species: ***Cottus gobio***
 Length type: **TL**
 Season: **combined**
 Sex: **mixed**
 Specimen condition: **preserved in alcohol**
 Sampled from: **20.4.2010**
 Sampled to: **25.9.2013**
 n: **344**
 L min: **2.3 cm**
 L max: **9.3 cm**
 Data transformation: **natural logarithm**
 a: **0.013708777**
 b: **3.067292672**

| DATA ANALYSIS | Ref# |
|--|-------------|
| Linear regression analysis by using the "least squares" method. | 6082 |
| SELECT CONDITIONS | NOTES |
| WHERE (((public_vt_specimen.taxon_id)=3991) AND ((public_vt_specimen.specimen_condition_id)=1) AND ((public_vt_specimen.balance1_id) Is Not Null And (public_vt_specimen.balance1_id) Not In (1,2)) AND (((bm2_mm)/10) Is Not Null) AND ((public_vt_specimen.specimen_mass_g) Is Not Null) AND ((public_vt_specimen.specimen_no)=1) AND ((public_vt_sampling.country_id)=193)) | |

SUMMARY OUTPUT

| Regression Statistics | |
|-----------------------|-------------|
| Multiple R | 0.988304024 |
| R Square | 0.976744843 |
| Adjusted R Square | 0.976676846 |
| Standard Error | 0.121496396 |
| Observations | 344 |

ANOVA

| | df | SS | MS | F | Significance F |
|------------|-----|-------------|-------------|-------------|----------------|
| Regression | 1 | 212.0385163 | 212.0385163 | 14364.41572 | 2.0629E-281 |
| Residual | 342 | 5.048389992 | 0.014761374 | | |
| Total | 343 | 217.0869063 | | | |

| | Coefficients | Standard Error | t Stat | P-value | Lower 95% | Upper 95% | Lower 95.0% | Upper 95.0% |
|--------------|--------------|----------------|-------------|-------------|--------------|--------------|--------------|--------------|
| Intercept | -4.289718969 | 0.042487509 | -100.964237 | 1.214E-256 | -4.373288695 | -4.206149242 | -4.373288695 | -4.206149242 |
| X Variable 1 | 3.067292672 | 0.025592413 | 119.8516405 | 2.0629E-281 | 3.016954326 | 3.117631018 | 3.016954326 | 3.117631018 |

