

Length-weight relationship of *Lota lota* from Slovenia, sampled from 12.7.2011 to 7.10.2013 (n = 89, length range from 9.3 cm to 62.0 cm)

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 Data source: **BIOS, Fisheries Research Institute of Slovenia**
 Analysed on: **6.11.2013**
 Country: **SVN**
 Species: ***Lota lota***
 Length type: **TL**
 Season: **combined**
 Sex: **mixed**
 Specimen condition: **alive**
 Sampled from: **12.7.2011**
 Sampled to: **7.10.2013**
 n: **89**
 L min: **9.3 cm**
 L max: **62.0 cm**
 Data transformation: **natural logarithm**
 a: **0.011821375**
 b: **2.833959599**

| DATA ANALYSIS | Ref# |
|---|-------------|
| Linear regression analysis by using the "least squares" method. | 6085 |
| SELECT CONDITIONS | NOTES |
| WHERE (((public_vt_specimen.taxon_id)=2658) AND ((public_vt_specimen.specimen_condition_id)=9) 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 | 0.993931317 |
| R Square | 0.987899463 |
| Adjusted R Square | 0.987760376 |
| Standard Error | 0.165596209 |
| Observations | 89 |

ANOVA

| | df | SS | MS | F | Significance F |
|------------|----|-------------|-------------|-------------|----------------|
| Regression | 1 | 194.7727197 | 194.7727197 | 7102.763432 | 3.43177E-85 |
| Residual | 87 | 2.385723075 | 0.027422104 | | |
| Total | 88 | 197.1584428 | | | |

| | Coefficients | Standard Error | t Stat | P-value | Lower 95% | Upper 95% | Lower 95.0% | Upper 95.0% |
|--------------|--------------|----------------|-------------|-------------|--------------|--------------|--------------|--------------|
| Intercept | -4.437845928 | 0.102842174 | -43.1520042 | 1.59209E-60 | -4.642255881 | -4.233435976 | -4.642255881 | -4.233435976 |
| X Variable 1 | 2.833959599 | 0.033626369 | 84.27789409 | 3.43177E-85 | 2.76712355 | 2.900795647 | 2.76712355 | 2.900795647 |

