

**Length-weight relationship of *Carassius gibelio* from Slovenia, sampled from 20.4.2010 to 1.10.2013 (n = 61, length range from 5.9 cm to 44.0 cm)**

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 Data source: **BIOS, Fisheries Research Institute of Slovenia**  
 Analysed on: **6.11.2013**  
 Country: **SVN**  
 Species: ***Carassius gibelio***  
 Length type: **TL**  
 Season: **combined**  
 Sex: **mixed**  
 Specimen condition: **alive**  
 Sampled from: **20.4.2010**  
 Sampled to: **1.10.2013**  
 n: **61**  
 L min: **5.9 cm**  
 L max: **44.0 cm**  
 Data transformation: **natural logarithm**  
 a: **0.014495349**  
 b: **3.061128743**

| DATA ANALYSIS   | Ref#        |
|---|-------------|
| Linear regression analysis by using the "least squares" method.   | <b>6080</b> |
| SELECT CONDITIONS   | NOTES       |
| WHERE (((public_vt_specimen.taxon_id)=2659)<br>AND<br>((public_vt_specimen.specimen_condition_id)=9)<br>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<br>((public_vt_specimen.specimen_mass_g) Is Not Null) AND ((public_vt_specimen.specimen_no)=1)<br>AND ((public_vt_sampling.country_id)=193)) |             |

SUMMARY OUTPUT

| Regression Statistics |             |
|-----------------------|-------------|
| Multiple R            | 0.997402659 |
| R Square              | 0.994812065 |
| Adjusted R Square     | 0.994724134 |
| Standard Error        | 0.130864536 |
| Observations          | 61          |

ANOVA

|            | df | SS          | MS          | F           | Significance F |
|------------|----|-------------|-------------|-------------|----------------|
| Regression | 1  | 193.7503334 | 193.7503334 | 11313.54007 | 4.05607E-69    |
| Residual   | 59 | 1.01040608  | 0.017125527 |             |                |
| Total      | 60 | 194.7607395 |             |             |                |

|              | Coefficients | Standard Error | t Stat      | P-value     | Lower 95%    | Upper 95%    | Lower 95.0%  | Upper 95.0%  |
|--------------|--------------|----------------|-------------|-------------|--------------|--------------|--------------|--------------|
| Intercept    | -4.233927415 | 0.083855645    | -50.4906667 | 2.99936E-50 | -4.401722171 | -4.066132659 | -4.401722171 | -4.066132659 |
| X Variable 1 | 3.061128743  | 0.02877944     | 106.3651262 | 4.05607E-69 | 3.003541218  | 3.118716269  | 3.003541218  | 3.118716269  |

