

Length-weight relationship of Sparus aurata from the Gulf of Trieste, sampled from 25.5.1999 to 19.3.2013 (n = 98, length range from 13.3 cm to 46.1 cm)

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 Data source: **BIOS, Fisheries Research Institute of Slovenia**
 Analysed on: **5.11.2013**
 Country: **SVN**
 Species: **Sparus aurata**
 Length type: **TLmax**
 Season: **combined**
 Sex: **mixed**
 Specimen condition: **fresh**
 Sampled from: **25.5.1999**
 Sampled to: **19.3.2013**
 n: **98**
 L min: **13.3 cm**
 L max: **46.1 cm**
 Data transformation: **natural logarithm**
 a: **0.011829288**
 b: **3.050463488**

| DATA ANALYSIS | Ref# |
|--|-------------|
| Linear regression analysis by using the "least squares" method. | 6058 |
| SELECT CONDITIONS | NOTES |
| WHERE (((public_vt_specimen.taxon_id)=979) AND ((public_vt_specimen.specimen_condition_id)=3) AND ((public_vt_specimen.balance1_id) Is Not Null And (public_vt_specimen.balance1_id) Not In (1,2)) AND (((bm1_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 | 0.993952251 |
| R Square | 0.987941077 |
| Adjusted R Square | 0.987815463 |
| Standard Error | 0.085544159 |
| Observations | 98 |

ANOVA

| | df | SS | MS | F | Significance F |
|------------|----|-------------|-------------|-------------|----------------|
| Regression | 1 | 57.55386114 | 57.55386114 | 7864.909731 | 6.53226E-94 |
| Residual | 96 | 0.702509102 | 0.007317803 | | |
| Total | 97 | 58.25637025 | | | |

| | Coefficients | Standard Error | t Stat | P-value | Lower 95% | Upper 95% | Lower 95.0% | Upper 95.0% |
|--------------|--------------|----------------|------------|-------------|--------------|--------------|--------------|--------------|
| Intercept | -4.437176789 | 0.104130456 | -42.61171 | 3.63804E-64 | -4.643874105 | -4.230479472 | -4.643874105 | -4.230479472 |
| X Variable 1 | 3.050463488 | 0.034396873 | 88.6843263 | 6.53226E-94 | 2.982186237 | 3.118740739 | 2.982186237 | 3.118740739 |

