

**Length-weight relationship of *Gobius niger* from the Gulf of Trieste, sampled from 21.8.1996 to 1.8.2013 (n = 794, length range from 5.2 cm to 14.8 cm)**

Author: **Bojan Marčeta**  
 Data source: **BIOS, Fisheries Research Institute of Slovenia**  
 Analysed on: **5.11.2013**  
 Country: **SVN**  
 Species: ***Gobius niger***  
 Length type: **TLmax**  
 Season: **combined**  
 Sex: **mixed**  
 Specimen condition: **defrosted**  
 Sampled from: **21.8.1996**  
 Sampled to: **1.8.2013**  
 n: **794**  
 L min: **5.2 cm**  
 L max: **14.8 cm**  
 Data transformation: **natural logarithm**  
 a: **0.007511009**  
 b: **3.174561217**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method.	<b>6042</b>
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=452) AND ((public_vt_specimen.specimen_condition_id)=2) 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	0.971719479
R Square	0.944238745
Adjusted R Square	0.94416834
Standard Error	0.130823286
Observations	794

ANOVA

	df	SS	MS	F	Significance F
Regression	1	229.5327016	229.5327016	13411.41064	0
Residual	792	13.5548679	0.017114732		
Total	793	243.0875695			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4.891385514	0.064039291	-76.3810072	0	-5.01709232	-4.765678709	-5.01709232	-4.765678709
X Variable 1	3.174561217	0.027412363	115.807645	0	3.120751742	3.228370691	3.120751742	3.228370691

