

# Length-weight relationship of *Serranus hepatus* from the Gulf of Trieste, sampled from 2.2.2000 to 19.3.2013 (n = 195, length range from 4.3 cm to 11.5 cm)

Author: **Bojan Marčeta**  
 Data source: **BIOS, Fisheries Research Institute of Slovenia**  
 Analysed on: **5.11.2013**  
 Country: **SVN**  
 Species: ***Serranus hepatus***  
 Length type: **TLmax**  
 Season: **combined**  
 Sex: **mixed**  
 Specimen condition: **fresh**  
 Sampled from: **2.2.2000**  
 Sampled to: **19.3.2013**  
 n: **195**  
 L min: **4.3 cm**  
 L max: **11.5 cm**  
 Data transformation: **natural logarithm**  
 a: **0.011997559**  
 b: **3.16489484**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method.	<b>6056</b>
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=954) 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	0.97493885
R Square	0.95050576
Adjusted R Square	0.950249313
Standard Error	0.141175305
Observations	195

### ANOVA

	df	SS	MS	F	Significance F
Regression	1	73.87115248	73.87115248	3706.443677	6.2234E-128
Residual	193	3.846580083	0.019930467		
Total	194	77.71773256			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4.423052031	0.108517359	-40.7589355	9.10593E-97	-4.63708425	-4.209019811	-4.63708425	-4.209019811
X Variable 1	3.16489484	0.051985303	60.88056896	6.2234E-128	3.062362582	3.267427098	3.062362582	3.267427098

