

**Length-weight relationship of *Barbatula barbatula* from Slovenia, sampled from 18.3.2010 to 16.10.2014 (n = 1357, length range from 1.7 cm to 13.6 cm, specimen condition: mixed)**

Author: **Bojan Marčeta**  
 Data source: **BIOS, Fisheries Research Institute of Slovenia**  
 Analysed on: **11.11.2014**  
 Country: **SVN**  
 Species: ***Barbatula barbatula***  
 Length type: **TL (biometry\_id = 76)**  
 Season: **combined**  
 Sex: **mixed**  
 Specimen condition: **mixed**  
 Sampled from: **18.3.2010**  
 Sampled to: **16.10.2014**  
 n: **1357**  
 L min: **1.7 cm**  
 L max: **13.6 cm**  
 Data transformation: **natural logarithm**  
 a: **0.011619406**  
 b: **2.850268863**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method	<b>6360</b>
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=5647) AND ((public_vt_specimen.balance1_id) Is Not Null And (public_vt_specimen.balance1_id) Not In (- 1,1,2,74)) 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	0.98273805
R Square	0.965774076
Adjusted R Square	0.965748817
Standard Error	0.170971805
Observations	1357

ANOVA					
	df	SS	MS	F	Significance F
Regression	1	1117.657262	1117.657262	38234.87305	0
Residual	1355	39.60849009	0.029231358		
Total	1356	1157.265752			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4.45507865	0.027693391	-160.871549	0	-4.509405224	-4.400752077	-4.509405224	-4.400752077
X Variable 1	2.850268863	0.014576592	195.5373955	0	2.821673726	2.878864001	2.821673726	2.878864001

