

# Length-weight relationship of *Barbus balcanicus* from Slovenia, sampled from 25.5.2010 to 25.9.2013 (n = 356, length range from 2.3 cm to 13.0 cm)

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 Data source: **BIOS, Fisheries Research Institute of Slovenia**  
 Analysed on: **6.11.2013**  
 Country: **SVN**  
 Species: ***Barbus balcanicus***  
 Length type: **TL**  
 Season: **combined**  
 Sex: **mixed**  
 Specimen condition: **preserved in alcohol**  
 Sampled from: **25.5.2010**  
 Sampled to: **25.9.2013**  
 n: **356**  
 L min: **2.3 cm**  
 L max: **13.0 cm**  
 Data transformation: **natural logarithm**  
 a: **0.010403933**  
 b: **3.049345042**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method.	<b>6074</b>
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=6590) AND ((public_vt_specimen.specimen_condition_id)=1) 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 ((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	0.994542767
R Square	0.989115316
Adjusted R Square	0.989084568
Standard Error	0.119711346
Observations	356

## ANOVA

	df	SS	MS	F	Significance F
Regression	1	461.004315	461.004315	32168.76293	0
Residual	354	5.07310548	0.014330806		
Total	355	466.0774205			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4.565571376	0.031176983	-146.440449	0	-4.626886769	-4.504255984	-4.626886769	-4.504255984
X Variable 1	3.049345042	0.017001584	179.3565246	0	3.015908233	3.08278185	3.015908233	3.08278185

