

**Length-weight relationship of *Barbus balcanicus* from Slovenia, sampled from 20.4.2010 to 14.10.2014 (n = 3959, length range from 2.3 cm to 43.6 cm, specimen condition: mixed)**

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 Data source: **BIOS, Fisheries Research Institute of Slovenia**  
 Analysed on: **11.11.2014**  
 Country: **SVN**  
 Species: ***Barbus balcanicus***  
 Length type: **TL (biometry\_id = 76)**  
 Season: **combined**  
 Sex: **mixed**  
 Specimen condition: **mixed**  
 Sampled from: **20.4.2010**  
 Sampled to: **14.10.2014**  
 n: **3959**  
 L min: **2.3 cm**  
 L max: **43.6 cm**  
 Data transformation: **natural logarithm**  
 a: **0.011187503**  
 b: **2.991462665**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method	<b>6354</b>
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=6590) 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	0.990977592
R Square	0.982036587
Adjusted R Square	0.982032047
Standard Error	0.146991331
Observations	3959

ANOVA					
	df	SS	MS	F	Significance F
Regression	1	4673.995678	4673.995678	216324.0793	0
Residual	3957	85.49672768	0.021606451		
Total	3958	4759.492406			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4.492957943	0.014909853	-301.341537	0	-4.522189658	-4.463726228	-4.522189658	-4.463726228
X Variable 1	2.991462665	0.00643178	465.1065247	0	2.978852752	3.004072578	2.978852752	3.004072578

