

**Length-weight relationship of *Barbus plebejus* from Slovenia, sampled from 15.5.2012 to 13.4.2016 (n = 899, length range from 4.3 cm to 54.1 cm, specimen condition: mixed)**

Author: **Bojan Marčeta**  
 Data source: **BIOS, Fisheries Research Institute of Slovenia**  
 Analysed on: **13.5.2016**  
 Country: **SVN**  
 Species: ***Barbus plebejus***  
 Length type: **TL (biometry\_id = 76)**  
 Season: **combined**  
 Sex: **mixed**  
 Specimen condition: **mixed**  
 Sampled from: **15.5.2012**  
 Sampled to: **13.4.2016**  
 n: **899**  
 L min: **4.3 cm**  
 L max: **54.1 cm**  
 Data transformation: **natural logarithm**  
 a: **0.010476858**  
 b: **3.008830002**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method	<b>6445</b>
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=2662) AND ((public_vt_specimen.balance1_id) Is Not Null And (public_vt_specimen.balance1_id) Not In (-1,1,2,74)) AND (((b2_mm)/10) Is Not Null) AND ((public_vt_specimen.specimen_mass_g) Is Not Null) AND (((specimen_mass_g)/10)>=[accuracy]) AND ((public_vt_specimen.specimen_no)=1) AND ((public_vt_sampling.country_id)=193))	

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.997418616
R Square	0.994843896
Adjusted R Square	0.994838147
Standard Error	0.118327428
Observations	899

ANOVA					
	df	SS	MS	F	Significance F
Regression	1	2423.240546	2423.240546	173071.5477	0
Residual	897	12.55923807	0.01400138		
Total	898	2435.799784			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4.558586501	0.020971507	-217.370479	0	-4.599745435	-4.517427568	-4.599745435	-4.517427568
X Variable 1	3.008830002	0.00723244	416.0186867	0	2.994635528	3.023024475	2.994635528	3.023024475

