

Length-weight relationship of *Squalius cephalus* from Slovenia, sampled from 20.4.2010 to 11.4.2014 (n = 1635, length range from 1.5 cm to 15.0 cm, specimen condition: preserved in alcohol)

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 Data source: **BIOS, Fisheries Research Institute of Slovenia**
 Analysed on: **5.11.2014**
 Country: **SVN**
 Species: ***Squalius cephalus***
 Length type: **TL (biometry_id = 76)**
 Season: **combined**
 Sex: **mixed**
 Specimen condition: **preserved in alcohol**
 Sampled from: **20.4.2010**
 Sampled to: **11.4.2014**
 n: **1635**
 L min: **1.5 cm**
 L max: **15.0 cm**
 Data transformation: **natural logarithm**
 a: **0.009642073**
 b: **3.015994842**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method.	6347
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=5609) 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	0.985341319
R Square	0.970897516
Adjusted R Square	0.970879694
Standard Error	0.196413838
Observations	1635

ANOVA					
	df	SS	MS	F	Significance F
Regression	1	2101.714285	2101.714285	54479.04853	0
Residual	1633	62.99851998	0.038578396		
Total	1634	2164.712805			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4.641619147	0.020137972	-230.490893	0	-4.681118122	-4.602120173	-4.681118122	-4.602120173
X Variable 1	3.015994842	0.012921586	233.4074732	0	2.990650213	3.04133947	2.990650213	3.04133947

