

# Length-weight relationship of *Squalius cephalus* from Slovenia, sampled from 20.4.2010 to 16.10.2014 (n = 7736, length range from 2.4 cm to 61.0 cm, specimen condition: alive)

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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: **alive**  
 Sampled from: **20.4.2010**  
 Sampled to: **16.10.2014**  
 n: **7736**  
 L min: **2.4 cm**  
 L max: **61.0 cm**  
 Data transformation: **natural logarithm**  
 a: **0.008720645**  
 b: **3.074416899**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method.	<b>6345</b>
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=5609) AND ((public_vt_specimen.specimen_condition_id)=9) 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	0.994532732
R Square	0.989095355
Adjusted R Square	0.989093945
Standard Error	0.162587387
Observations	7736

ANOVA					
	df	SS	MS	F	Significance F
Regression	1	18544.04601	18544.04601	701505.0394	0
Residual	7734	204.4456473	0.026434658		
Total	7735	18748.49166			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4.74206209	0.010137999	-467.751267	0	-4.761935313	-4.722188866	-4.761935313	-4.722188866
X Variable 1	3.074416899	0.003670687	837.5589767	0	3.067221358	3.081612439	3.067221358	3.081612439

