

**Length-weight relationship of *Cottus gobio* from Slovenia, sampled from 20.4.2010 to 8.10.2014 (n = 6062, length range from 2.0 cm to 16.5 cm, specimen condition: mixed)**

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 Data source: **BIOS, Fisheries Research Institute of Slovenia**  
 Analysed on: **11.11.2014**  
 Country: **SVN**  
 Species: ***Cottus gobio***  
 Length type: **TL (biometry\_id = 76)**  
 Season: **combined**  
 Sex: **mixed**  
 Specimen condition: **mixed**  
 Sampled from: **20.4.2010**  
 Sampled to: **8.10.2014**  
 n: **6062**  
 L min: **2.0 cm**  
 L max: **16.5 cm**  
 Data transformation: **natural logarithm**  
 a: **0.012356134**  
 b: **3.031916567**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method	<b>6350</b>
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=3991) 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	0.965250691
R Square	0.931708897
Adjusted R Square	0.931697628
Standard Error	0.195178522
Observations	6062

ANOVA					
	df	SS	MS	F	Significance F
Regression	1	3149.581053	3149.581053	82677.76735	0
Residual	6060	230.8536115	0.038094655		
Total	6061	3380.434664			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4.393602674	0.021319661	-206.082206	0	-4.435396787	-4.351808561	-4.435396787	-4.351808561
X Variable 1	3.031916567	0.010544424	287.537419	0	3.011245747	3.052587387	3.011245747	3.052587387

