

Length-weight relationship of *Cobitis elongata* from Slovenia, sampled from 20.4.2010 to 20.10.2014 (n = 624, length range from 5.1 cm to 17.5 cm, specimen condition: mixed)

Author: **Bojan Marčeta**
 Data source: **BIOS, Fisheries Research Institute of Slovenia**
 Analysed on: **21.11.2014**
 Country: **SVN**
 Species: ***Cobitis elongata***
 Length type: **TL (biometry_id = 76)**
 Season: **combined**
 Sex: **mixed**
 Specimen condition: **mixed**
 Sampled from: **20.4.2010**
 Sampled to: **20.10.2014**
 n: **624**
 L min: **5.1 cm**
 L max: **17.5 cm**
 Data transformation: **natural logarithm**
 a: **0.00521287**
 b: **2.918781126**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method	6363
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=5645) 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	0.954041205
R Square	0.91019462
Adjusted R Square	0.910050239
Standard Error	0.217991576
Observations	624

ANOVA					
	df	SS	MS	F	Significance F
Regression	1	299.5723435	299.5723435	6304.088412	0
Residual	622	29.55764346	0.047520327		
Total	623	329.1299869			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-5.256624631	0.088387068	-59.47278	7.9947E-259	-5.430197841	-5.083051421	-5.430197841	-5.083051421
X Variable 1	2.918781126	0.036761259	79.39828973	0	2.846589911	2.990972341	2.846589911	2.990972341

