

**Length-weight relationship of *Serranus hepatus* from Slovenia, sampled from 24.4.1995 to 29.1.2016 (n = 3717, length range from 4.3 cm to 12.3 cm, specimen condition: mixed)**

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 Data source: **BIOS, Fisheries Research Institute of Slovenia**  
 Analysed on: **13.5.2016**  
 Country: **SVN**  
 Species: ***Serranus hepatus***  
 Length type: **TLmax (biometry\_id = 78)**  
 Season: **combined**  
 Sex: **mixed**  
 Specimen condition: **mixed**  
 Sampled from: **24.4.1995**  
 Sampled to: **29.1.2016**  
 n: **3717**  
 L min: **4.3 cm**  
 L max: **12.3 cm**  
 Data transformation: **natural logarithm**  
 a: **0.017004789**  
 b: **3.02347505**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method	<b>6453</b>
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=954) AND ((public_vt_specimen.balance1_id) Is Not Null And (public_vt_specimen.balance1_id) Not In (-1,1,2,74)) AND (([bm1_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	0.972540146
R Square	0.945834336
Adjusted R Square	0.945819756
Standard Error	0.094403084
Observations	3717

ANOVA					
	df	SS	MS	F	Significance F
Regression	1	578.1255889	578.1255889	64870.88559	0
Residual	3715	33.10786562	0.008911942		
Total	3716	611.2334545			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4.074260244	0.025786391	-158.000406	0	-4.124817111	-4.023703376	-4.124817111	-4.023703376
X Variable 1	3.02347505	0.011870841	254.6976356	0	3.000201048	3.046749052	3.000201048	3.046749052

