

Length-weight relationship of *Lepomis gibbosus* from Slovenia, sampled from 17.5.2011 to 1.10.2013 (n = 45, length range from 4.5 cm to 15.0 cm)

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Data source: **BIOS, Fisheries Research Institute of Slovenia**

Analysed on: **6.11.2013**

Country: **SVN**

Species: ***Lepomis gibbosus***

Length type: **TL**

Season: **combined**

Sex: **mixed**

Specimen condition: **alive**

Sampled from: **17.5.2011**

Sampled to: **1.10.2013**

n: **45**

L min: **4.5 cm**

L max: **15.0 cm**

Data transformation: **natural logarithm**

a: **0.009186784**

b: **3.357058973**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method.	6084
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=4014) 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	0.986083869
R Square	0.972361397
Adjusted R Square	0.971718638
Standard Error	0.18511257
Observations	45

ANOVA

	df	SS	MS	F	Significance F
Regression	1	51.83843584	51.83843584	1512.794962	3.81144E-35
Residual	43	1.473466528	0.034266663		
Total	44	53.31190237			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4.68998934	0.189077432	-24.8045961	4.17437E-27	-5.071300318	-4.308678362	-5.071300318	-4.308678362
X Variable 1	3.357058973	0.086311554	38.89466496	3.81144E-35	3.182995138	3.531122809	3.182995138	3.531122809

