

Length-weight relationship of *Scardinius erythrophthalmus* from Slovenia, sampled from 17.5.2011 to 17.5.2011 (n = 64, length range from 3.6 cm to 6.6 cm)

Author: **Bojan Marčeta**

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

Analysed on: **7.11.2013**

Country: **SVN**

Species: ***Scardinius erythrophthalmus***

Length type: **TL**

Season: **combined**

Sex: **mixed**

Specimen condition: **preserved in alcohol**

Sampled from: **17.5.2011**

Sampled to: **17.5.2011**

n: **64**

L min: **3.6 cm**

L max: **6.6 cm**

Data transformation: **natural logarithm**

a: **0.014085508**

b: **2.756257132**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method.	6089
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=917) AND ((public_vt_specimen.specimen_condition_id)=1) 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	0.956467329
R Square	0.914829751
Adjusted R Square	0.913456037
Standard Error	0.123280943
Observations	64

ANOVA

	df	SS	MS	F	Significance F
Regression	1	10.12129192	10.12129192	665.9537252	7.27141E-35
Residual	62	0.942287842	0.015198191		
Total	63	11.06357976			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4.262608791	0.168814214	-25.2502955	2.49873E-34	-4.600063594	-3.925153988	-4.600063594	-3.925153988
X Variable 1	2.756257132	0.106806505	25.80607923	7.27141E-35	2.542753972	2.969760291	2.542753972	2.969760291

