

Length-weight relationship of *Rutilus rutilus* from Slovenia, sampled from 20.4.2010 to 26.9.2013 (n = 539, length range from 2.0 cm to 8.5 cm)

Author: **Bojan Marčeta**
 Data source: **BIOS, Fisheries Research Institute of Slovenia**
 Analysed on: **7.11.2013**
 Country: **SVN**
 Species: ***Rutilus rutilus***
 Length type: **TL**
 Season: **combined**
 Sex: **mixed**
 Specimen condition: **preserved in alcohol**
 Sampled from: **20.4.2010**
 Sampled to: **26.9.2013**
 n: **539**
 L min: **2.0 cm**
 L max: **8.5 cm**
 Data transformation: **natural logarithm**
 a: **0.00738714**
 b: **3.101481858**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method.	6087
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=2652) 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	0.952628955
R Square	0.907501925
Adjusted R Square	0.907329676
Standard Error	0.329700974
Observations	539

ANOVA

	df	SS	MS	F	Significance F
Regression	1	572.7031962	572.7031962	5268.526235	9.2124E-280
Residual	537	58.37336717	0.108702732		
Total	538	631.0765634			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4.908014588	0.064499243	-76.0941426	8.4439E-290	-5.034716342	-4.781312834	-5.034716342	-4.781312834
X Variable 1	3.101481858	0.042729191	72.58461431	9.2124E-280	3.017545005	3.185418711	3.017545005	3.185418711

