

Length-weight relationship of *Salmo trutta fario* from Slovenia, sampled from 20.4.2010 to 14.10.2014 (n = 5790, length range from 4.0 cm to 65.0 cm, specimen condition: mixed)

Author: **Bojan Marčeta**
 Data source: **BIOS, Fisheries Research Institute of Slovenia**
 Analysed on: **11.11.2014**
 Country: **SVN**
 Species: ***Salmo trutta fario***
 Length type: **TL (biometry_id = 76)**
 Season: **combined**
 Sex: **mixed**
 Specimen condition: **mixed**
 Sampled from: **20.4.2010**
 Sampled to: **14.10.2014**
 n: **5790**
 L min: **4.0 cm**
 L max: **65.0 cm**
 Data transformation: **natural logarithm**
 a: **0.009166483**
 b: **3.030728261**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method	6351
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=904) 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	0.995401599
R Square	0.990824344
Adjusted R Square	0.990822759
Standard Error	0.136875461
Observations	5790

ANOVA					
	df	SS	MS	F	Significance F
Regression	1	11709.52421	11709.52421	625011.5742	0
Residual	5788	108.4375537	0.018734892		
Total	5789	11817.96177			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4.692201588	0.010325942	-454.409072	0	-4.712444294	-4.671958881	-4.712444294	-4.671958881
X Variable 1	3.030728261	0.003833566	790.5767352	0	3.023213038	3.038243484	3.023213038	3.038243484

