

Length-weight relationship of *Mullus surmuletus* from the Gulf of Trieste, sampled from 11.11.1997 to 18.12.2012 (n = 97, length range from 9.6 cm to 22.2 cm)

Author: **Bojan Marčeta**
 Data source: **BIOS, Fisheries Research Institute of Slovenia**
 Analysed on: **5.11.2013**
 Country: **SVN**
 Species: ***Mullus surmuletus***
 Length type: **TLmax**
 Season: **combined**
 Sex: **mixed**
 Specimen condition: **fresh**
 Sampled from: **11.11.1997**
 Sampled to: **18.12.2012**
 n: **97**
 L min: **9.6 cm**
 L max: **22.2 cm**
 Data transformation: **natural logarithm**
 a: **0.009284793**
 b: **3.106621486**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method.	6051
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=644) AND ((public_vt_specimen.specimen_condition_id)=3) AND ((public_vt_specimen.balance1_id) Is Not Null And (public_vt_specimen.balance1_id) Not In (1,2)) AND (((bm1_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	0.983485461
R Square	0.967243653
Adjusted R Square	0.966898849
Standard Error	0.074648337
Observations	97

ANOVA

	df	SS	MS	F	Significance F
Regression	1	15.63163115	15.63163115	2805.201266	2.48628E-72
Residual	95	0.529375549	0.005572374		
Total	96	16.16100669			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4.679377328	0.16532864	-28.3034889	4.3749E-48	-5.007596168	-4.351158487	-5.007596168	-4.351158487
X Variable 1	3.106621486	0.058655174	52.96415076	2.48628E-72	2.990176245	3.223066726	2.990176245	3.223066726

