

## Length-weight relationship of *Mullus surmuletus* from the Gulf of Trieste, sampled from 28.8.1997 to 30.8.2011 (n = 30, length range from 11.2 cm to 24.5 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: **defrosted**  
 Sampled from: **28.8.1997**  
 Sampled to: **30.8.2011**  
 n: **30**  
 L min: **11.2 cm**  
 L max: **24.5 cm**  
 Data transformation: **natural logarithm**  
 a: **0.010526157**  
 b: **3.093208986**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method.	<b>6050</b>
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=644) AND ((public_vt_specimen.specimen_condition_id)=2) 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	0.988036709
R Square	0.976216538
Adjusted R Square	0.975367129
Standard Error	0.08080427
Observations	30

### ANOVA

	df	SS	MS	F	Significance F
Regression	1	7.504085041	7.504085041	1149.288672	2.80034E-24
Residual	28	0.182821241	0.00652933		
Total	29	7.686906282			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4.553892003	0.249929402	-18.2207134	4.60178E-17	-5.065849168	-4.041934839	-5.065849168	-4.041934839
X Variable 1	3.093208986	0.09124198	33.90116033	2.80034E-24	2.906308265	3.280109706	2.906308265	3.280109706

