

## Length-weight relationship of *Deltentosteus quadrimaculatus* from the Gulf of Trieste, sampled from 10.4.1996 to 1.8.2013 (n = 451, length range from 3.2 cm to 9.3 cm)

Author: **Bojan Marčeta**  
 Data source: **BIOS, Fisheries Research Institute of Slovenia**  
 Analysed on: **5.11.2013**  
 Country: **SVN**  
 Species: ***Deltentosteus quadrimaculatus***  
 Length type: **TLmax**  
 Season: **combined**  
 Sex: **mixed**  
 Specimen condition: **defrosted**  
 Sampled from: **10.4.1996**  
 Sampled to: **1.8.2013**  
 n: **451**  
 L min: **3.2 cm**  
 L max: **9.3 cm**  
 Data transformation: **natural logarithm**  
 a: **0.003955871**  
 b: **3.394669564**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method.	<b>6037</b>
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=455) 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	0.976575342
R Square	0.9536994
Adjusted R Square	0.95359628
Standard Error	0.112741668
Observations	451

### ANOVA

	df	SS	MS	F	Significance F
Regression	1	117.5547383	117.5547383	9248.498432	1.0233E-301
Residual	449	5.707096982	0.012710684		
Total	450	123.2618353			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-5.532554527	0.071036488	-77.8832779	6.3015E-263	-5.672159794	-5.39294926	-5.672159794	-5.39294926
X Variable 1	3.394669564	0.035298959	96.16911371	1.0233E-301	3.325297884	3.464041245	3.325297884	3.464041245

