

# Length-weight relationship of *Zeus faber* from the Gulf of Trieste, sampled from 13.5.1997 to 1.8.2013 (n = 111, length range from 5.1 cm to 28.2 cm)

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 Data source: **BIOS, Fisheries Research Institute of Slovenia**  
 Analysed on: **5.11.2013**  
 Country: **SVN**  
 Species: ***Zeus faber***  
 Length type: **TLmax**  
 Season: **combined**  
 Sex: **mixed**  
 Specimen condition: **defrosted**  
 Sampled from: **13.5.1997**  
 Sampled to: **1.8.2013**  
 n: **111**  
 L min: **5.1 cm**  
 L max: **28.2 cm**  
 Data transformation: **natural logarithm**  
 a: **0.02560877**  
 b: **2.856573524**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method.	<b>6067</b>
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=1125) 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	0.995840814
R Square	0.991698927
Adjusted R Square	0.99162277
Standard Error	0.094013348
Observations	111

## ANOVA

	df	SS	MS	F	Significance F
Regression	1	115.09359	115.09359	13021.83234	2.9979E-115
Residual	109	0.963397546	0.00883851		
Total	110	116.0569876			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-3.664820412	0.066245146	-55.3220977	1.33408E-81	-3.796116133	-3.533524691	-3.796116133	-3.533524691
X Variable 1	2.856573524	0.025032796	114.1132435	2.9979E-115	2.806959338	2.90618771	2.806959338	2.90618771

