

Length-weight relationship of *Pagellus acarne* from the Gulf of Trieste, sampled from 12.8.2003 to 17.12.2012
(n = 44, length range from 7.2 cm to 18.9 cm)

Author: **Bojan Marčeta**
 Data source: **BIOS, Fisheries Research Institute of Slovenia**
 Analysed on: **5.11.2013**
 Country: **SVN**
 Species: ***Pagellus acarne***
 Length type: **TLmax**
 Season: **combined**
 Sex: **mixed**
 Specimen condition: **fresh**
 Sampled from: **12.8.2003**
 Sampled to: **17.12.2012**
 n: **44**
 L min: **7.2 cm**
 L max: **18.9 cm**
 Data transformation: **natural logarithm**
 a: **0.010776541**
 b: **3.04078139**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method.	6052
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=729) 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	0.989211093
R Square	0.978538587
Adjusted R Square	0.978027601
Standard Error	0.161302404
Observations	44

ANOVA

	df	SS	MS	F	Significance F
Regression	1	49.82537897	49.82537897	1915.000673	1.14038E-36
Residual	42	1.092775552	0.026018466		
Total	43	50.91815452			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4.530383667	0.174284692	-25.9941572	1.63567E-27	-4.88210441	-4.178662924	-4.88210441	-4.178662924
X Variable 1	3.04078139	0.069486547	43.76072066	1.14038E-36	2.900551862	3.181010919	2.900551862	3.181010919

