

Length-weight relationship of *Merlangius merlangus* from the Gulf of Trieste, sampled from 3.4.1997 to 22.3.2002 (n = 104, length range from 3.2 cm to 13.2 cm)

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 Data source: **BIOS, Fisheries Research Institute of Slovenia**
 Analysed on: **5.11.2013**
 Country: **SVN**
 Species: ***Merlangius merlangus***
 Length type: **TLmax**
 Season: **combined**
 Sex: **mixed**
 Specimen condition: **from formaldehyde**
 Sampled from: **3.4.1997**
 Sampled to: **22.3.2002**
 n: **104**
 L min: **3.2 cm**
 L max: **13.2 cm**
 Data transformation: **natural logarithm**
 a: **0.002051096**
 b: **3.601173108**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method.	6048
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=613) AND ((public_vt_specimen.specimen_condition_id)=5) 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	0.986449089
R Square	0.973081805
Adjusted R Square	0.972817901
Standard Error	0.157007076
Observations	104

ANOVA

	df	SS	MS	F	Significance F
Regression	1	90.89542832	90.89542832	3687.25853	6.83484E-82
Residual	102	2.514424636	0.024651222		
Total	103	93.40985296			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-6.189380897	0.128538957	-48.1517902	5.81195E-72	-6.444337303	-5.934424492	-6.444337303	-5.934424492
X Variable 1	3.601173108	0.059305122	60.72280074	6.83484E-82	3.483541682	3.718804533	3.483541682	3.718804533

