

**Length-weight relationship of *Gobius niger* from the Gulf of Trieste, sampled from 2.2.2000 to 19.3.2013 (n = 483, length range from 4.9 cm to 14.4 cm)**

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 Data source: **BIOS, Fisheries Research Institute of Slovenia**  
 Analysed on: **5.11.2013**  
 Country: **SVN**  
 Species: ***Gobius niger***  
 Length type: **TLmax**  
 Season: **combined**  
 Sex: **mixed**  
 Specimen condition: **fresh**  
 Sampled from: **2.2.2000**  
 Sampled to: **19.3.2013**  
 n: **483**  
 L min: **4.9 cm**  
 L max: **14.4 cm**  
 Data transformation: **natural logarithm**  
 a: **0.012559894**  
 b: **2.934413489**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method.	<b>6043</b>
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=452) 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	0.974511814
R Square	0.949673276
Adjusted R Square	0.949568646
Standard Error	0.192528108
Observations	483

ANOVA

	df	SS	MS	F	Significance F
Regression	1	336.4410001	336.4410001	9076.546374	0
Residual	481	17.82926175	0.037067072		
Total	482	354.2702619			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4.37724654	0.064751747	-67.6004388	9.5422E-248	-4.504477772	-4.250015308	-4.504477772	-4.250015308
X Variable 1	2.934413489	0.030800729	95.27091043	0	2.873892888	2.99493409	2.873892888	2.99493409

