

Length-weight relationship of *Mullus barbatus* from Slovenia, sampled from 24.4.1995 to 24.3.2015 (n = 1137, length range from 4.7 cm to 21.1 cm, specimen condition: mixed)

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 Data source: **BIOS, Fisheries Research Institute of Slovenia**
 Analysed on: **18.5.2015**
 Country: **SVN**
 Species: ***Mullus barbatus***
 Length type: **TLmax (biometry_id = 78)**
 Season: **combined**
 Sex: **mixed**
 Specimen condition: **mixed**
 Sampled from: **24.4.1995**
 Sampled to: **24.3.2015**
 n: **1137**
 L min: **4.7 cm**
 L max: **21.1 cm**
 Data transformation: **natural logarithm**
 a: **0.006628996**
 b: **3.2248936**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method	6417
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=642) AND ((public_vt_specimen.balance1_id) Is Not Null And (public_vt_specimen.balance1_id) Not In (-1,1,2,74)) 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	0.986522183
R Square	0.973226018
Adjusted R Square	0.973202429
Standard Error	0.09987004
Observations	1137

ANOVA					
	df	SS	MS	F	Significance F
Regression	1	411.4973624	411.4973624	41256.90166	0
Residual	1135	11.32051821	0.009974025		
Total	1136	422.8178806			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-5.016301973	0.041105149	-122.035854	0	-5.096952588	-4.935651359	-5.096952588	-4.935651359
X Variable 1	3.2248936	0.01587695	203.1179501	0	3.19374213	3.256045069	3.19374213	3.256045069

