

Length-weight relationship of *Merlangius merlangus* from Slovenia, sampled from 25.7.1995 to 16.9.2014 (n = 7615, length range from 3.2 cm to 38.0 cm, specimen condition: mixed)

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 Data source: **BIOS, Fisheries Research Institute of Slovenia**
 Analysed on: **7.1.2015**
 Country: **SVN**
 Species: ***Merlangius merlangus***
 Length type: **TLmax (biometry_id = 78)**
 Season: **combined**
 Sex: **mixed**
 Specimen condition: **mixed**
 Sampled from: **25.7.1995**
 Sampled to: **16.9.2014**
 n: **7615**
 L min: **3.2 cm**
 L max: **38.0 cm**
 Data transformation: **natural logarithm**
 a: **0.005417375**
 b: **3.110126375**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method	6372
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=613) 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	0.994221702
R Square	0.988476792
Adjusted R Square	0.988475278
Standard Error	0.116586422
Observations	7615

ANOVA					
	df	SS	MS	F	Significance F
Regression	1	8876.563339	8876.563339	653053.719	0
Residual	7613	103.4788942	0.013592394		
Total	7614	8980.042233			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-5.218143961	0.011029284	-473.117188	0	-5.239764398	-5.196523525	-5.239764398	-5.196523525
X Variable 1	3.110126375	0.003848607	808.1173918	0	3.102582044	3.117670705	3.102582044	3.117670705

