

Length-weight relationship of *Merluccius merluccius* from Slovenia, sampled from 12.10.1995 to 12.12.2014 (n = 193, length range from 8.0 cm to 46.4 cm, specimen condition: mixed)

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 Data source: **BIOS, Fisheries Research Institute of Slovenia**
 Analysed on: **18.5.2015**
 Country: **SVN**
 Species: ***Merluccius merluccius***
 Length type: **TLmax (biometry_id = 78)**
 Season: **combined**
 Sex: **mixed**
 Specimen condition: **mixed**
 Sampled from: **12.10.1995**
 Sampled to: **12.12.2014**
 n: **193**
 L min: **8.0 cm**
 L max: **46.4 cm**
 Data transformation: **natural logarithm**
 a: **0.003516355**
 b: **3.260119668**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method	6418
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=611) 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	0.993239304
R Square	0.986524314
Adjusted R Square	0.986453761
Standard Error	0.120211024
Observations	193

ANOVA

	df	SS	MS	F	Significance F
Regression	1	202.0593145	202.0593145	13982.67567	1.3673E-180
Residual	191	2.760081832	0.01445069		
Total	192	204.8193963			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-5.650330308	0.089262877	-63.2998901	4.0758E-130	-5.826397936	-5.47426268	-5.826397936	-5.47426268
X Variable 1	3.260119668	0.027570104	118.2483643	1.3673E-180	3.205738688	3.314500649	3.205738688	3.314500649

