

# Length-weight relationship of *Engraulis encrasicolus* from Slovenia, sampled from 18.9.1995 to 12.12.2014 (n = 26155, length range from 3.5 cm to 16.1 cm, specimen condition: mixed)

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Data source: **BIOS, Fisheries Research Institute of Slovenia**

Analysed on: **7.1.2015**

Country: **SVN**

Species: ***Engraulis encrasicolus***

Length type: **TLmax (biometry\_id = 78)**

Season: **combined**

Sex: **mixed**

Specimen condition: **mixed**

Sampled from: **18.9.1995**

Sampled to: **12.12.2014**

n: **26155**

L min: **3.5 cm**

L max: **16.1 cm**

Data transformation: **natural logarithm**

a: **0.006618205**

b: **2.991247246**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method	<b>6369</b>
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=372) 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	0.940544817
R Square	0.884624552
Adjusted R Square	0.884620141
Standard Error	0.09258649
Observations	26155

ANOVA					
	df	SS	MS	F	Significance F
Regression	1	1718.946443	1718.946443	200524.3432	0
Residual	26153	224.1902684	0.008572258		
Total	26154	1943.136711			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-5.017931039	0.01691012	-296.741295	0	-5.051075799	-4.984786279	-5.051075799	-4.984786279
X Variable 1	2.991247246	0.006679882	447.7994453	0	2.978154313	3.004340179	2.978154313	3.004340179

