

Length-weight relationship of *Cepola macrophthalma* from Slovenia, sampled from 24.4.1995 to 20.1.2016 (n = 1095, length range from 15.0 cm to 64.5 cm, specimen condition: mixed)

Author: **Bojan Marčeta**

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

Analysed on: **13.5.2016**

Country: **SVN**

Species: ***Cepola macrophthalma***

Length type: **TLmax (biometry_id = 78)**

Season: **combined**

Sex: **mixed**

Specimen condition: **mixed**

Sampled from: **24.4.1995**

Sampled to: **20.1.2016**

n: **1095**

L min: **15.0 cm**

L max: **64.5 cm**

Data transformation: **natural logarithm**

a: **0.06365838**

b: **1.685850834**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method	6457
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=236) 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 (((specimen_mass_g)/10)>=[accuracy]) AND ((public_vt_specimen.specimen_no)=1) AND ((public_vt_sampling.country_id)=193))	

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.908306598
R Square	0.825020875
Adjusted R Square	0.824860785
Standard Error	0.193538379
Observations	1095

ANOVA					
	df	SS	MS	F	Significance F
Regression	1	193.0336662	193.0336662	5153.459408	0
Residual	1093	40.94061493	0.037457104		
Total	1094	233.9742811			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-2.754224307	0.081033511	-33.9887076	2.2463E-173	-2.913223135	-2.59522548	-2.913223135	-2.59522548
X Variable 1	1.685850834	0.023483873	71.78759926	0	1.639772265	1.731929403	1.639772265	1.731929403

