

# Length-weight relationship of *Carassius carassius* from Slovenia, sampled from 17.5.2011 to 12.6.2013 (n = 110, length range from 4.5 cm to 20.5 cm)

Author: **Bojan Marčeta**  
 Data source: **BIOS, Fisheries Research Institute of Slovenia**  
 Analysed on: **6.11.2013**  
 Country: **SVN**  
 Species: ***Carassius carassius***  
 Length type: **TL**  
 Season: **combined**  
 Sex: **mixed**  
 Specimen condition: **alive**  
 Sampled from: **17.5.2011**  
 Sampled to: **12.6.2013**  
 n: **110**  
 L min: **4.5 cm**  
 L max: **20.5 cm**  
 Data transformation: **natural logarithm**  
 a: **0.023241699**  
 b: **2.957062408**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method.	<b>6079</b>
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=215) AND ((public_vt_specimen.specimen_condition_id)=9) AND ((public_vt_specimen.balance1_id) Is Not Null And (public_vt_specimen.balance1_id) Not In (1,2)) AND (((bm2_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	0.983119605
R Square	0.966524157
Adjusted R Square	0.966214195
Standard Error	0.170952118
Observations	110

## ANOVA

	df	SS	MS	F	Significance F
Regression	1	91.12843539	91.12843539	3118.207018	1.68648E-81
Residual	108	3.15625966	0.029224626		
Total	109	94.28469505			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-3.761807252	0.122097614	-30.8098342	2.55007E-55	-4.003825898	-3.519788606	-4.003825898	-3.519788606
X Variable 1	2.957062408	0.052955128	55.8409081	1.68648E-81	2.852096162	3.062028655	2.852096162	3.062028655

