

# Length-weight relationship of *Mustelus mustelus* from Slovenia, sampled from 25.7.1995 to 6.6.2013 (n = 150, length range from 26.2 cm to 135.5 cm, specimen condition: mixed)

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

Analysed on: **7.1.2015**

Country: **SVN**

Species: ***Mustelus mustelus***

Length type: **TLmax (biometry\_id = 75)**

Season: **combined**

Sex: **mixed**

Specimen condition: **mixed**

Sampled from: **25.7.1995**

Sampled to: **6.6.2013**

n: **150**

L min: **26.2 cm**

L max: **135.5 cm**

Data transformation: **natural logarithm**

a: **0.002881431**

b: **3.001976025**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method	<b>6387</b>
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=655) 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	0.990459991
R Square	0.981010993
Adjusted R Square	0.980882689
Standard Error	0.149441059
Observations	150

ANOVA					
	df	SS	MS	F	Significance F
Regression	1	170.7549166	170.7549166	7645.9833	2.6875E-129
Residual	148	3.30522925	0.02233263		
Total	149	174.0601458			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-5.849468266	0.134417641	-43.5171173	3.10122E-86	-6.115093986	-5.583842545	-6.115093986	-5.583842545
X Variable 1	3.001976025	0.034331324	87.44131346	2.6875E-129	2.934133126	3.069818925	2.934133126	3.069818925

