

# Length-weight relationship of *Salmo trutta fario* from Slovenia, sampled from 15.11.2011 to 15.11.2011 (n = 78, length range from 7.7 cm to 53.2 cm)

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

Analysed on: **7.11.2013**

Country: **SVN**

Species: ***Salmo trutta fario***

Length type: **TL**

Season: **combined**

Sex: **mixed**

Specimen condition: **fresh**

Sampled from: **15.11.2011**

Sampled to: **15.11.2011**

n: **78**

L min: **7.7 cm**

L max: **53.2 cm**

Data transformation: **natural logarithm**

a: **0.008008815**

b: **3.073049482**

DATA ANALYSIS	Ref#
Linear regression analysis by using the "least squares" method.	<b>6088</b>
SELECT CONDITIONS	NOTES
WHERE (((public_vt_specimen.taxon_id)=904) AND ((public_vt_specimen.specimen_condition_id)=3) 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	0.998479896
R Square	0.996962102
Adjusted R Square	0.99692213
Standard Error	0.08622277
Observations	78

## ANOVA

	df	SS	MS	F	Significance F
Regression	1	185.4227713	185.4227713	24941.30211	1.98851E-97
Residual	76	0.565011825	0.007434366		
Total	77	185.9877831			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-4.827212479	0.054850631	-88.006508	3.08186E-78	-4.936456977	-4.717967982	-4.936456977	-4.717967982
X Variable 1	3.073049482	0.019458528	157.9281549	1.98851E-97	3.034294465	3.1118045	3.034294465	3.1118045

