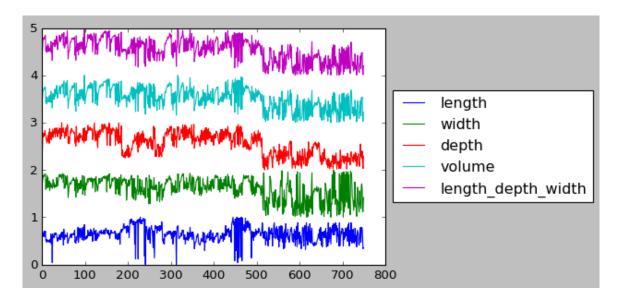
1 Averages

1.1 tables



2 IDEA Regression

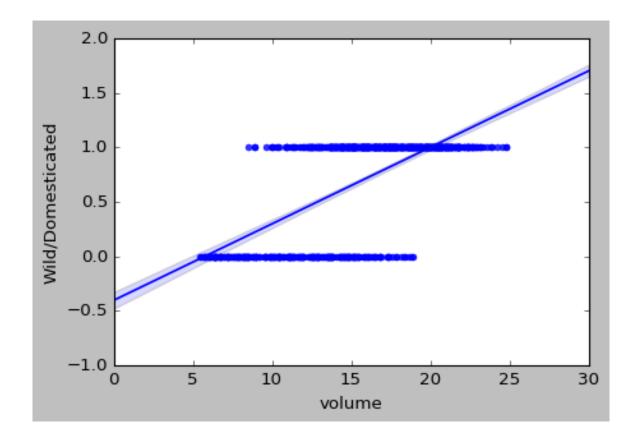
2.1 Simple Reg

OLS Regression Results

Dep. Variable: Wild/Domesticated Model: OLS Method: Least Squares Date: Thu, 02 Aug 2018 Time: 09:22:22 No. Observations: 750 Df Residuals: 749 Df Model: 1 Covariance Type: nonrobust		Adj. F-st: Prob Log- AIC: BIC:			0.800 0.800 2998. 4.55e-264 -318.03 638.1 642.7	
=======================================	coef	std err	t	P> t	[0.025	0.975]
volume	0.0460	0.001	54.755	0.000	0.044	0.048
Omnibus: Prob(Omnibus): Skew: Kurtosis:		128.141 0.000 -0.646 2.130	Jarq Prob	• •	======	0.272 75.849 3.39e-17 1.00

Warnings:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.



2.2 Playing with constants

OLS Regression Results

Dep. Variable:	Wild/Domesticated			R-squ	ared:	0.800		
Model:	: OLS		Adj.	R-squared:	0.800			
Method:	d: Least Squares		F-statistic:			2998.		
Date:	Thu	ı, 02 Aug 2	018	Prob (F-statistic):			4.55e-264	
Time:		09:22	:24	Log-I	Likelihood:		-318.03	
No. Observation	s:		750	AIC:			638.1	
Df Residuals:			749	BIC:			642.7	
Df Model:			1					
Covariance Type	:	nonrob	ust					
==========	======		====	=====		======		
	coef	std err		t	P> t	[0.025	0.975]	
					0.000		0.048	
Omnibus:			 141		n-Watson:		0.272	
<pre>Prob(Omnibus):</pre>		0.	000	Jarqu	ıe-Bera (JB):		75.849	
Skew:		-0.	646	Prob	(JB):		3.39e-17	
Kurtosis:		2.	130	Cond.	No.		1.00	
==========	======		=====			======		

Warnings:

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

$2.3\quad Potentially\ useful\ for\ modelling\ Ploidy/DomStatus$

OLS Regression Results

Dep. Variable:	Ploidy/Domestication	R-squared:	0.864
Model:	OLS	Adj. R-squared:	0.831

2.4 GLM for W/D August 2, 2018

Method:	Least Squares		F-statistic:		26	.39
Date:	Thu, 02	Aug 2018	Prob (F-stat	cistic):	1.14e-09	
Time:		09:22:25	Log-Likeliho	ood:	9.2	250
No. Observations: 32		AIC:		-4.450		
Df Residuals:		25	BIC:		5.	810
Df Model:		6				
Covariance Type:	n	onrobust				
=======================================	========	=======				======
	coef	std err	t	P> t	[0.025	0.975]
length	0.5593	0.458	1.220	0.234	-0.385	1.503
width	0.6781	0.642	1.056	0.301	-0.645	2.001
depth	1.6848	1.197	1.408	0.172	-0.780	4.149
length_depth_width	-0.0526	0.073	-0.724	0.476	-0.202	0.097
surface_area	0.0848	0.023	3.708	0.001	0.038	0.132
volume	-0.1173	0.101	-1.162	0.256	-0.325	0.091

=======================================	========		========
Omnibus:	0.911	Durbin-Watson:	1.626
Prob(Omnibus):	0.634	Jarque-Bera (JB):	0.703
Skew:	-0.351	Prob(JB):	0.704
Kurtosis:	2.815	Cond. No.	6.15e+03

4.020

-5.5150

Warnings:

const

[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

-1.372

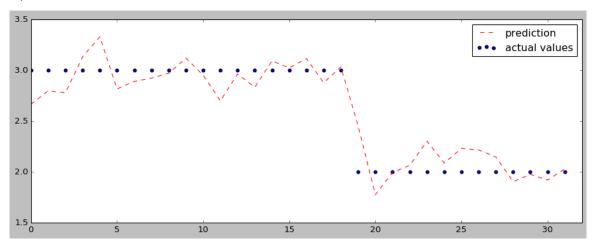
0.182

-13.795

2.765

[2] The condition number is large, 6.15e+03. This might indicate that there are strong multicollinearity or other numerical problems.

(0, 32)



2.4 GLM for W/D

R2 = 0.8689288094842893

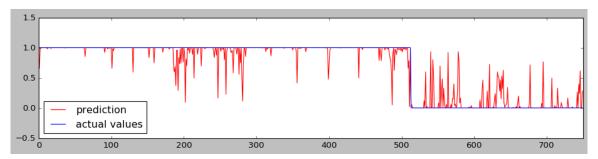
Generalized Linear Model Regression Results

Dep. Variable:	Wild_Domesticated	No. Observations:	750
Model:	GLM	Df Residuals:	719
Model Family:	Binomial	Df Model:	30
Link Function:	logit	Scale:	1.0000
Method:	IRLS	Log-Likelihood:	nan
Date:	Thu, 02 Aug 2018	Deviance:	nan
Time:	09:22:26	Pearson chi2:	202.
No. Iterations:	100	Covariance Type:	nonrobust

 $2.4 \quad GLM \text{ for } W/D$ August 2, 2018

	coef	std err	z 	P> z	[0.025	0.9
surface_area	-501.9311	245.503	-2.045	0.041	-983.108	-
20.754						
length	-113.1669	457.709	-0.247	0.805	-1010.260	783.
surface_area:length	86.6632	37.397	2.317	0.020	13.367	159.
depth	484.1320	670.684	0.722	0.470	-830.384	1798.
surface_area:depth	271.4883	140.433	1.933	0.053	-3.756	546.
length:depth	-2.2968	274.270	-0.008	0.993	-539.856	535.
surface_area:length:depth	-46.9379	21.006	-2.234	0.025	-88.109	-
5.767						
volume	1546.8121	631.366	2.450	0.014	309.358	2784.
surface_area:volume	-9.8954	8.687	-1.139	0.255	-26.922	7.
length:volume	-261.2940	111.087	-2.352	0.019	-479.021	-
43.567						
surface_area:length:volume	1.7092	1.107	1.544	0.123	-0.461	3.
depth:volume	-889.6532	336.033	-2.648	0.008	-1548.265	-
231.041						
surface_area:depth:volume	5.9795	4.900	1.220	0.222	-3.625	15.
length:depth:volume	147.1407	59.609	2.468	0.014	30.310	263.
surface_area:length:depth:volume	-0.9744	0.595	-1.639	0.101	-2.140	0.
width	1275.8378	730.172	1.747	0.081	-155.273	2706.
surface_area:width	120.3869	78.080	1.542	0.123	-32.646	273.
length:width	-207.1970	222.296	-0.932	0.351	-642.889	228.
surface_area:length:width	-20.3236	11.341	-1.792	0.073	-42.551	1.
depth:width	-939.3190	558.757	-1.681	0.093	-2034.462	155.
surface_area:depth:width	-62.5430	45.309	-1.380	0.167	-151.348	26.
length:depth:width	149.8735	142.585	1.051	0.293	-129.587	429.
surface_area:length:depth:width	10.5402	6.560	1.607	0.108	-2.317	23.
volume:width	-524.1973	218.599	-2.398	0.016	-952.644	-
95.750						
surface_area:volume:width	4.2683	2.836	1.505	0.132	-1.290	9.
length:volume:width	90.9437	39.394	2.309	0.021	13.733	168.
surface_area:length:volume:width	-0.7888	0.346	-2.282	0.022	-1.466	-
0.111						
depth:volume:width	305.9171	118.359	2.585	0.010	73.937	537.
surface_area:depth:volume:width	-2.6547	1.718	-1.545	0.122	-6.022	0.
length:depth:volume:width 9.825	-52.0842	21.561	-2.416	0.016	-94.344	_
surface_area:length:depth:volume:width	0.4701	0.218	2.156	0.031	0.043	0.

(-0.5, 1.5)



2.5 Regression for showing 3D usefulness

