

Multiple Regression Report

Dataset C:\Users\VvH\Desktop\charlie_final.NCSS
 Dependent lnD0

Run Summary Report

Item	Value	Rows	Value
Dependent Variable	lnD0	Rows Processed	294
Number Ind. Variables	5	Rows Filtered Out	0
Weight Variable	None	Rows with X's Missing	50
R ²	0.6470	Rows with Weight Missing	0
Adj R ²	0.6237	Rows with Y Missing	162
Coefficient of Variation	3.3827	Rows Used in Estimation	82
Mean Square Error	0.4149993	Sum of Weights	82.000
Square Root of MSE	0.6442044		
Ave Abs Pct Error	157.845		
Completion Status	Normal Completion		

Descriptive Statistics

Variable	Count	Mean	Standard		
			Deviation	Minimum	Maximum
M1Ti	82	0.03187644	0.03615495	0	0.1681806
M1_Al_Fe3	82	0.0186172	0.2116665	-0.6553774	0.4526981
M2Fell	82	0.05997759	0.06224031	0	0.2104476
T	82	1354.254	218.3884	923	1811
TAI_Fe3	82	0.1624218	0.1138843	0	0.4939489
lnD0	82	0.1904408	1.050232	-1.487427	3.938127

Correlation Matrix

	M1Ti	M1_Al_Fe3	M2Fell	T
M1Ti	1.0000	-0.5538	-0.2372	-0.5419
M1_Al_Fe3	-0.5538	1.0000	0.3072	0.8422
M2Fell	-0.2372	0.3072	1.0000	0.1528
T	-0.5419	0.8422	0.1528	1.0000
TAI_Fe3	0.5494	-0.1558	-0.2494	-0.0299
lnD0	0.6594	-0.5353	-0.3643	-0.6290

Correlation Matrix

	TAI_Fe3	lnD0
M1Ti	0.5494	0.6594
M1_Al_Fe3	-0.1558	-0.5353
M2Fell	-0.2494	-0.3643
T	-0.0299	-0.6290
TAI_Fe3	1.0000	0.4379
lnD0	0.4379	1.0000

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Regression Coefficients T-Tests

Independent Variable	Regression Coefficient $b(i)$	Standard Error $Sb(i)$	Standard- ized Coefficient	T-Statistic $H_0: \beta(i)=0$	Prob Level	Reject H_0 at 5%?	Power of Test at 5%
Intercept	4.521807	0.9110234	0.0000	4.963	0.0000	Yes	0.9984
M1Ti	6.789802	3.058675	0.2337	2.220	0.0294	Yes	0.5917
M1_Al_Fe3	1.609723	0.6778103	0.3244	2.375	0.0201	Yes	0.6498
M2Fell	-3.819267	1.256266	-0.2263	-3.040	0.0032	Yes	0.8512
T	-0.003522666	0.0006676385	-0.7325	-5.276	0.0000	Yes	0.9994
TAI_Fe3	2.597461	0.8294845	0.2817	3.131	0.0025	Yes	0.8711

Regression Coefficients Confidence Intervals

Independent Variable	Regression Coefficient $b(i)$	Standard Error $Sb(i)$	Lower 95% Conf. Limit of $\beta(i)$	Upper 95% Conf. Limit of $\beta(i)$
Intercept	4.521807	0.9110234	2.707346	6.336267
M1Ti	6.789802	3.058675	0.6979234	12.88168
M1_Al_Fe3	1.609723	0.6778103	0.2597466	2.959699
M2Fell	-3.819267	1.256266	-6.321337	-1.317197
T	-0.003522666	0.0006676385	-0.004852383	-0.002192948
TAI_Fe3	2.597461	0.8294845	0.9453998	4.249523

Note: The T-Value used to calculate these confidence limits was 1.992.

Estimated Equation

lnD0 =
4.5218066670906 + 6.78980182255502 * M1Ti + 1.60972282428578 * M1_Al_Fe3 - 3.81926685987008 * M2Fell -
0.0035226656930651 * T + 2.59746123526329 * TAI_Fe3

Analysis of Variance

Source	DF	R ²	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (5%)
Intercept	1		2.973953	2.973953			
Model	5	0.6470	57.80204	11.56041	27.856	0.0000	1.0000
Error	76	0.3530	31.53995	0.4149993			
Total(Adjusted)	81	1.0000	89.34199	1.102988			

Multiple Regression Report

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Analysis of Variance Detail

Source	DF	R ²	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (5%)
Intercept	1		2.973953	2.973953			
Model	5	0.6470	57.80204	11.56041	27.856	0.0000	1.0000
M1Ti	1	0.0229	2.045008	2.045008	4.928	0.0294	0.5917
M1_Al_Fe3	1	0.0262	2.340632	2.340632	5.640	0.0201	0.6498
M2Fell	1	0.0429	3.835698	3.835698	9.243	0.0032	0.8512
T	1	0.1293	11.55334	11.55334	27.839	0.0000	0.9994
TAI_Fe3	1	0.0455	4.069387	4.069387	9.806	0.0025	0.8711
Error	76	0.3530	31.53995	0.4149993			
Total(Adjusted)	81	1.0000	89.34199	1.102988			

PRESS Report

Parameter	From PRESS	From Regular
	Residuals	Residuals
Sum of Squared Residuals	37.75022	31.53995
Sum of Residuals	43.98557	40.38373
R ²	0.5775	0.6470

Normality Tests

Test	Test Statistic	Reject	
	to Test	Prob Level	H0 at 20%?
Name	H0: Normal		
Shapiro Wilk	0.948	0.0022	Yes
Anderson Darling	1.476	0.0008	Yes
D'Agostino Skewness	2.719	0.0065	Yes
D'Agostino Kurtosis	0.474	0.6357	No
D'Agostino Omnibus	7.619	0.0222	Yes

R² Report

Independent Variable (IV)	Increase in R ²				
	Total R ² for this IV and IV's Above	R ² if this IV Included Above	Decrease in R ² if this IV was Removed	R ² if this IV was Fit Alone	Partial R ² if Adjusted for All Other IV's
	Above	Above	Removed	Alone	Other IV's
M1Ti	0.4349	0.4349	0.0229	0.4349	0.0609
M1_Al_Fe3	0.4766	0.0418	0.0262	0.2866	0.0691
M2Fell	0.5068	0.0302	0.0429	0.1327	0.1084
T	0.6014	0.0946	0.1293	0.3956	0.2681
TAI_Fe3	0.6470	0.0455	0.0455	0.1917	0.1143

Multiple Regression Report

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Variable Omission Report

Independent Variable	R ² When I.V. Omitted	MSE When I.V. Omitted	Mallow's Cp When I.V. Omitted	H0: β(i)=0 Prob Level	R ² of Regress. of This I.V. on Other I.V.'s
Full Model	0.6470	0.4149993			
M1Ti	0.6241	0.4361683	8.928	0.0294	0.5811
M1_Al_Fe3	0.6208	0.4400075	9.640	0.0201	0.7511
M2Fell	0.6040	0.459424	13.243	0.0032	0.1620
T	0.5177	0.559653	31.839	0.0000	0.7590
TAI_Fe3	0.6014	0.4624589	13.806	0.0025	0.4259

Sequential Models Report

Independent Variable	Included R ²	Included F-Ratio	Included Prob Level	Omitted R ²	Omitted F-Ratio	Omitted Prob Level
M1Ti	0.4349	61.561	0.0000	0.2121	11.415	0.0000
M1_Al_Fe3	0.4766	35.972	0.0000	0.1703	12.224	0.0000
M2Fell	0.5068	26.717	0.0000	0.1402	15.088	0.0000
T	0.6014	29.047	0.0000	0.0455	9.806	0.0025
TAI_Fe3	0.6470	27.856	0.0000	0.0000		

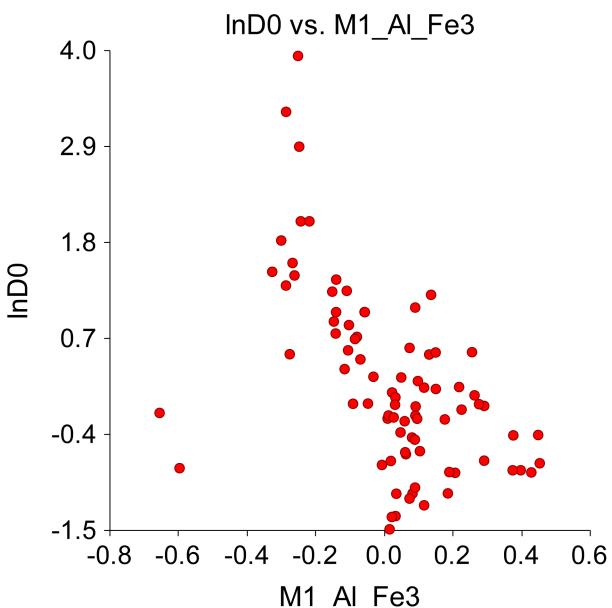
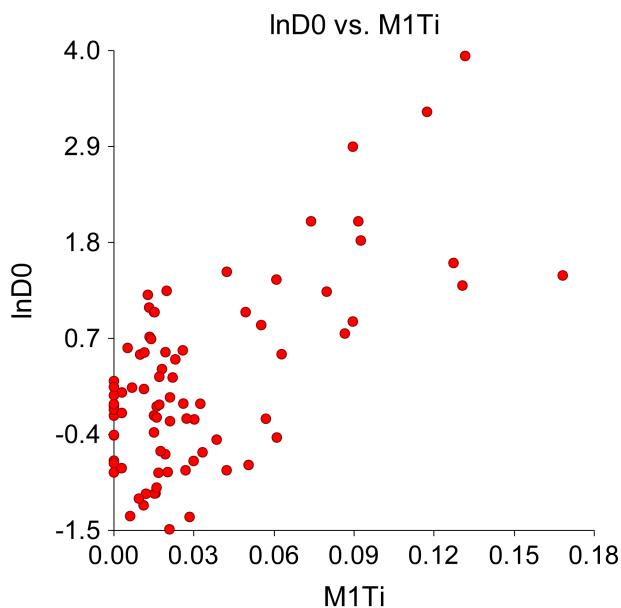
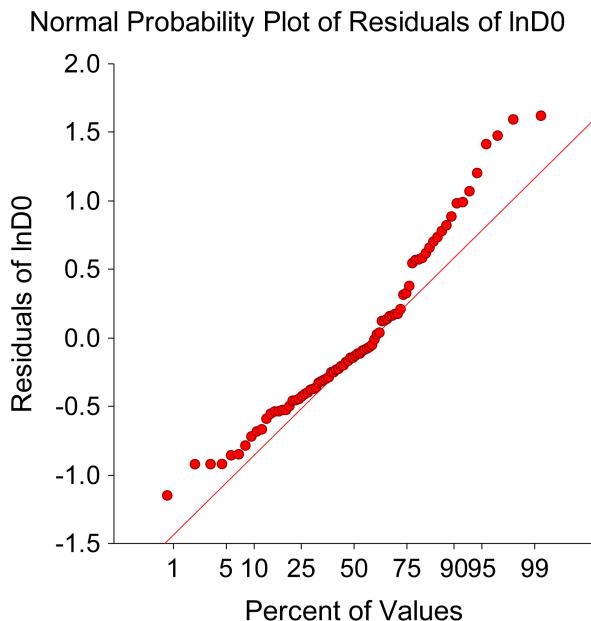
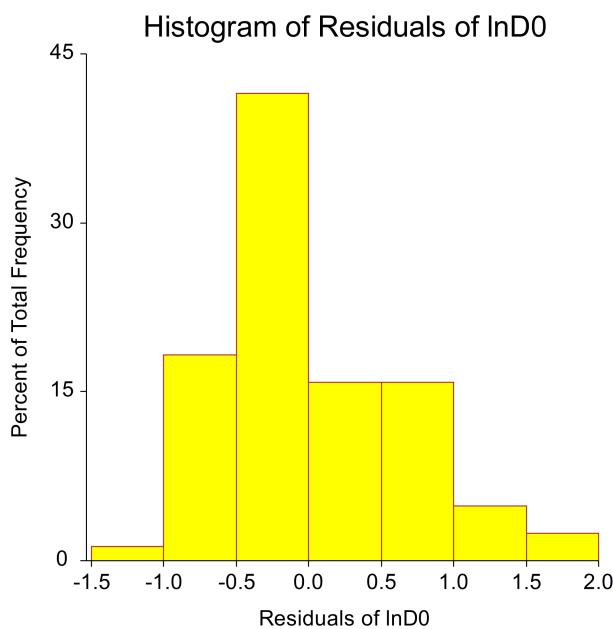
Notes

1. INCLUDED variables are those listed from current row up (includes current row).

2. OMITTED variables are those listed below (but not including) this row.

Multicollinearity Report

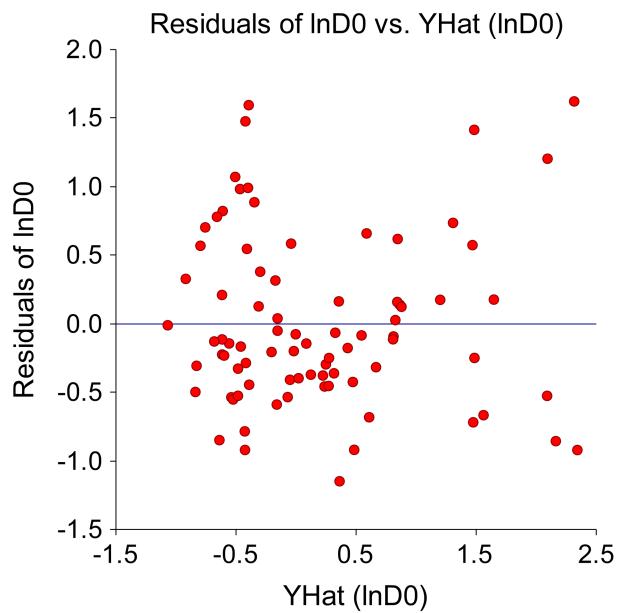
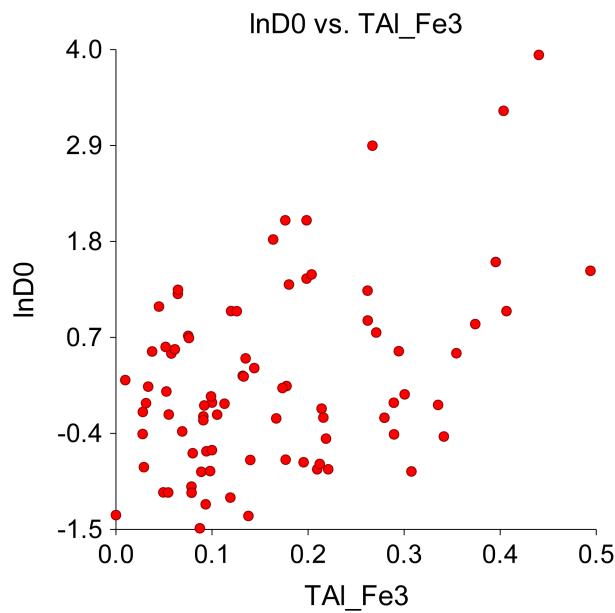
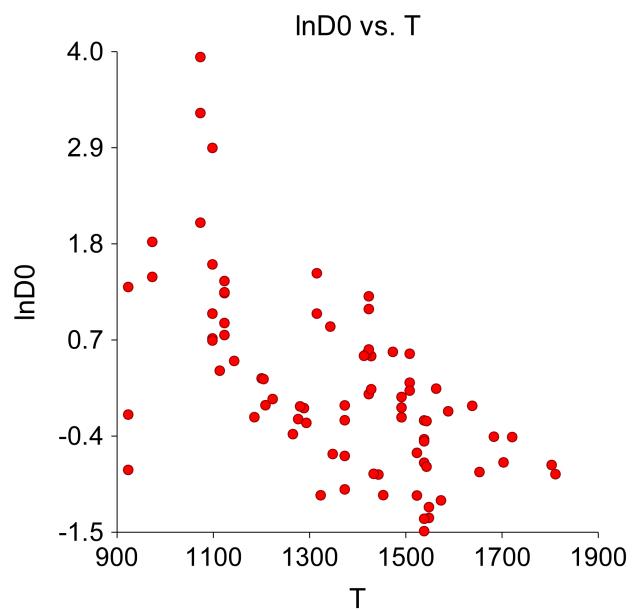
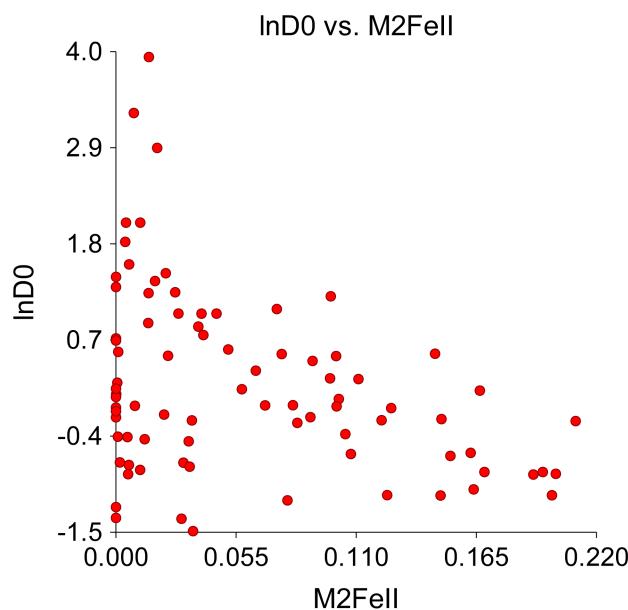
Independent Variable	Variance Inflation Factor	R ² Versus Other I.V.'s	Tolerance	Diagonal of X'X Inverse
M1Ti	2.3869	0.5811	0.4189	22.54339
M1_Al_Fe3	4.0175	0.7511	0.2489	1.107054
M2Fell	1.1933	0.1620	0.8380	3.802906
T	4.1493	0.7590	0.2410	1.074077E-06
TAI_Fe3	1.7417	0.4259	0.5741	1.657941

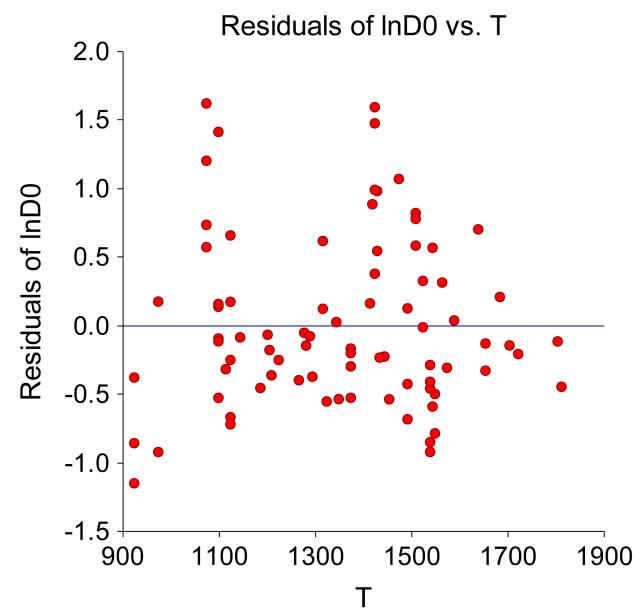
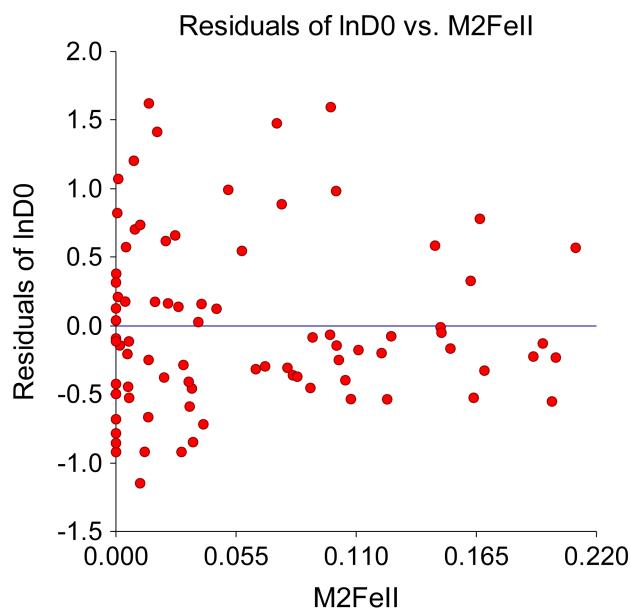
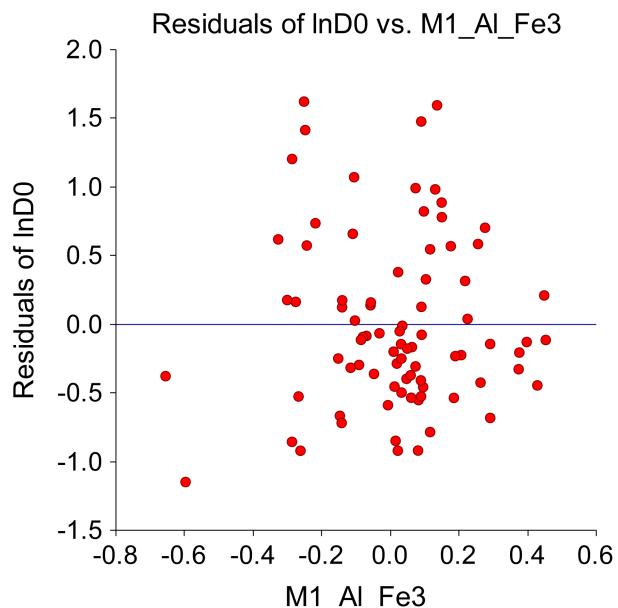
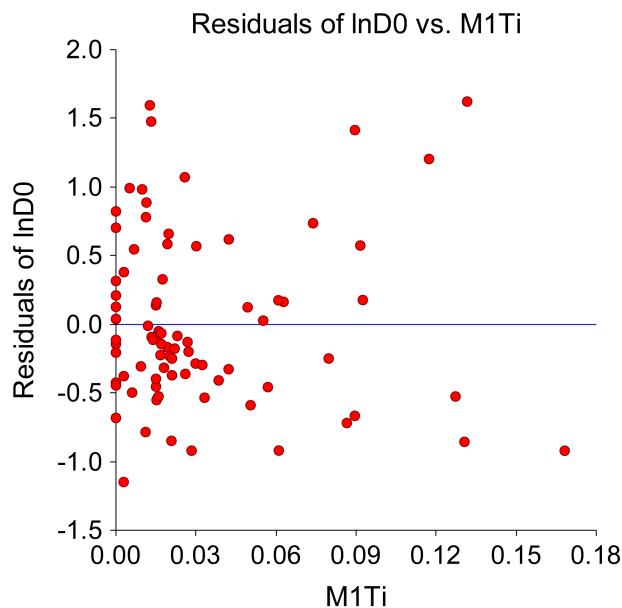
Multiple Regression ReportDataset
DependentC:\Users\VvH\Desktop\charlie_final.NCSS
InD0**Plots Section**

Dataset
Dependent

Multiple Regression Report

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InD0

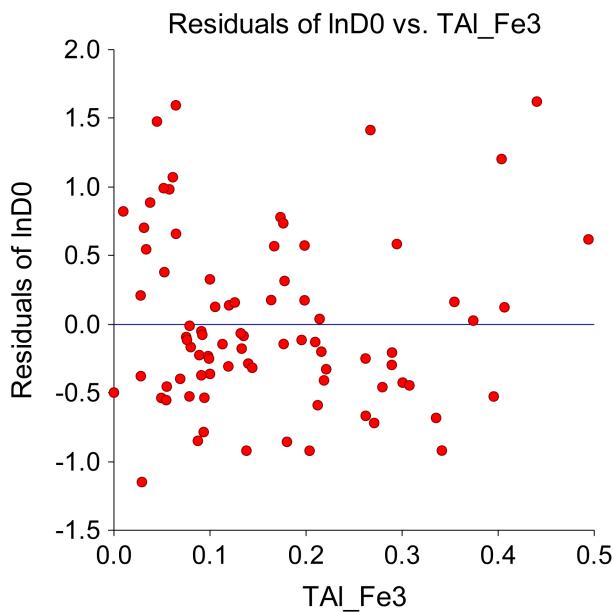


Multiple Regression ReportDataset
DependentC:\Users\VvH\Desktop\charlie_final.NCSS
InD0

Dataset
Dependent

Multiple Regression Report

C:\Users\VvH\Desktop\charlie_final.NCSS
lnD0



Multiple Regression Report

Dataset C:\Users\VvH\Desktop\charlie_final.NCSS
 Filter EM2 < 500
 Dependent EM2

Run Summary Report

Item	Value	Rows	Value
Dependent Variable	EM2	Rows Processed	294
Number Ind. Variables	7	Rows Filtered Out	215
Weight Variable	None	Rows with X's Missing	0
R ²	0.3478	Rows with Weight Missing	0
Adj R ²	0.2835	Rows with Y Missing	0
Coefficient of Variation	0.2015	Rows Used in Estimation	79
Mean Square Error	3928.323	Sum of Weights	79.000
Square Root of MSE	62.67633		
Ave Abs Pct Error	16.342		
Completion Status	Normal Completion		

Descriptive Statistics

Variable	Count	Mean	Standard		
			Deviation	Minimum	Maximum
M1Al	79	0.1131	0.1154665	0	0.4526981
M1Mg	79	0.7171515	0.176164	0.002815912	0.9615915
M1Ti	79	0.02880228	0.03292556	0	0.1681806
M2Mg	79	0.04602966	0.08396902	0	0.3987886
P	79	0.8340899	1.026804	0.0001	3.5
TAI_Fe3	79	0.1545292	0.1073787	0	0.4939489
XMg	79	0.8463756	0.1634734	0.01187838	1
EM2	79	311.042	74.04457	116.0482	498.2396

Correlation Matrix

	M1Al	M1Mg	M1Ti	M2Mg
M1Al	1.0000	-0.0903	-0.4304	0.5787
M1Mg	-0.0903	1.0000	-0.4030	0.1094
M1Ti	-0.4304	-0.4030	1.0000	-0.3846
M2Mg	0.5787	0.1094	-0.3846	1.0000
P	0.7371	0.0705	-0.3025	0.4865
TAI_Fe3	0.1375	-0.3290	0.4604	0.0134
XMg	0.2452	0.7185	-0.1811	0.3664
EM2	0.0372	-0.0312	0.1031	-0.0830

Correlation Matrix

	P	TAI_Fe3	XMg	EM2
M1Al	0.7371	0.1375	0.2452	0.0372
M1Mg	0.0705	-0.3290	0.7185	-0.0312
M1Ti	-0.3025	0.4604	-0.1811	0.1031
M2Mg	0.4865	0.0134	0.3664	-0.0830
P	1.0000	-0.1411	0.1952	0.0393
TAI_Fe3	-0.1411	1.0000	0.1680	0.3998
XMg	0.1952	0.1680	1.0000	0.2335
EM2	0.0393	0.3998	0.2335	1.0000

Multiple Regression Report

Dataset C:\Users\VvH\Desktop\charlie_final.NCSS
 Filter EM2 < 500
 Dependent EM2

Regression Coefficients T-Tests

Independent Variable	Regression Coefficient b(i)	Standard Error Sb(i)	Standard- ized Coefficient	T-Statistic to Test H0: $\beta(i)=0$	Prob Level	Reject H0 at 5%?	Power of Test at 5%
Intercept	246.9384	43.70361	0.0000	5.650	0.0000	Yes	0.9998
M1Al	-424.4937	143.8664	-0.6620	-2.951	0.0043	Yes	0.8291
M1Mg	-285.1875	101.9702	-0.6785	-2.797	0.0066	Yes	0.7878
M1Ti	-1145.275	378.2825	-0.5093	-3.028	0.0034	Yes	0.8477
M2Mg	-306.412	114.6803	-0.3475	-2.672	0.0093	Yes	0.7504
P	36.71214	12.24748	0.5091	2.998	0.0037	Yes	0.8406
TAI_Fe3	312.9361	102.0621	0.4538	3.066	0.0031	Yes	0.8564
XMg	336.4323	102.2365	0.7428	3.291	0.0016	Yes	0.9008

Regression Coefficients Confidence Intervals

Independent Variable	Regression Coefficient b(i)	Standard Error Sb(i)	Lower 95% Conf. Limit of $\beta(i)$	Upper 95% Conf. Limit of $\beta(i)$
Intercept	246.9384	43.70361	159.7959	334.0809
M1Al	-424.4937	143.8664	-711.3552	-137.6322
M1Mg	-285.1875	101.9702	-488.5102	-81.86472
M1Ti	-1145.275	378.2825	-1899.549	-391.0013
M2Mg	-306.412	114.6803	-535.0779	-77.74606
P	36.71214	12.24748	12.29135	61.13292
TAI_Fe3	312.9361	102.0621	109.4301	516.4421
XMg	336.4323	102.2365	132.5784	540.2861

Note: The T-Value used to calculate these confidence limits was 1.994.

Estimated Equation

EM2 =
 246.938387293597 - 424.493694132611 * M1Al - 285.187462917978 * M1Mg - 1145.27517645114 * M1Ti -
 306.412008680105 * M2Mg + 36.7121335443447 * P + 312.936056871437 * TAI_Fe3 + 336.432244821236 * XMg

Analysis of Variance

Source	DF	R ²	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (5%)
Intercept	1		7643021	7643021			
Model	7	0.3478	148731.8	21247.4	5.409	0.0001	0.9970
Error	71	0.6522	278910.9	3928.323			
Total(Adjusted)	78	1.0000	427642.7	5482.599			

Multiple Regression Report

Dataset C:\Users\VvH\Desktop\charlie_final.NCSS
 Filter EM2 < 500
 Dependent EM2

Analysis of Variance Detail

Source	DF	R ²	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (5%)
Intercept	1		7643021	7643021			
Model	7	0.3478	148731.8	21247.4	5.409	0.0001	0.9970
M1Al	1	0.0800	34200.36	34200.36	8.706	0.0043	0.8291
M1Mg	1	0.0719	30727.11	30727.11	7.822	0.0066	0.7878
M1Ti	1	0.0842	36007.61	36007.61	9.166	0.0034	0.8477
M2Mg	1	0.0656	28044.09	28044.09	7.139	0.0093	0.7504
P	1	0.0825	35296.59	35296.59	8.985	0.0037	0.8406
TAI_Fe3	1	0.0864	36930.87	36930.87	9.401	0.0031	0.8564
XMg	1	0.0995	42539.28	42539.28	10.829	0.0016	0.9008
Error	71	0.6522	278910.9	3928.323			
Total(Adjusted)	78	1.0000	427642.7	5482.599			

PRESS Report

Parameter	From PRESS	From Regular
	Residuals	Residuals
Sum of Squared Residuals	358954.3	278910.9
Sum of Residuals	4007.733	3561.435
R ²	0.1606	0.3478

Normality Tests

Test Name	Test Statistic to Test H0: Normal	Prob Level	Reject H0 at 20%?
Shapiro Wilk	0.983		No
Anderson Darling	0.526	0.1797	Yes
D'Agostino Skewness	0.674	0.5003	No
D'Agostino Kurtosis	0.574	0.5662	No
D'Agostino Omnibus	0.783	0.6759	No

R² Report

Independent Variable (IV)	Increase in R ² if this IV					R ² if this IV was Fit Alone	Partial R ² if Adjusted for All Other IV's		
	Total R ² for this IV and IV's Above	R ² if this IV Included with IV's Above	Decrease in R ² if this IV was Removed	R ² if this IV was Fit Alone					
	Above	Above	Removed						
M1Al	0.0014	0.0014	0.0800	0.0014		0.0014	0.1092		
M1Mg	0.0022	0.0008	0.0719	0.0010		0.0010	0.0992		
M1Ti	0.0206	0.0184	0.0842	0.0106		0.0106	0.1143		
M2Mg	0.0331	0.0125	0.0656	0.0069		0.0069	0.0914		
P	0.0333	0.0002	0.0825	0.0015		0.0015	0.1123		
TAI_Fe3	0.2483	0.2150	0.0864	0.1599		0.1599	0.1169		
XMg	0.3478	0.0995	0.0995	0.0545		0.0545	0.1323		

Multiple Regression Report

Dataset C:\Users\VvH\Desktop\charlie_final.NCSS
 Filter EM2 < 500
 Dependent EM2

Variable Omission Report

Independent Variable	R ² When I.V. Omitted	MSE When I.V. Omitted	Mallow's Cp When I.V. Omitted	H0: β(i)=0 Prob Level	R ² of Regress. of This I.V. on Other I.V.'s
Full Model	0.3478	3928.323			
M1Al	0.2678	4348.768	14.706	0.0043	0.8175
M1Mg	0.2759	4300.528	13.822	0.0066	0.8439
M1Ti	0.2636	4373.868	15.166	0.0034	0.6754
M2Mg	0.2822	4263.264	13.139	0.0093	0.4569
P	0.2653	4363.993	14.985	0.0037	0.6815
TAI_Fe3	0.2614	4386.691	15.401	0.0031	0.5807
XMg	0.2483	4464.585	16.829	0.0016	0.8197

Sequential Models Report

Independent Variable	Included R ²	Included F-Ratio	Included Prob Level	Omitted R ²	Omitted F-Ratio	Omitted Prob Level
M1Al	0.0014	0.107	0.7447	0.3464	6.285	0.0000
M1Mg	0.0022	0.083	0.9208	0.3456	7.525	0.0000
M1Ti	0.0206	0.526	0.6659	0.3272	8.905	0.0000
M2Mg	0.0331	0.634	0.6398	0.3147	11.418	0.0000
P	0.0333	0.503	0.7728	0.3145	17.117	0.0000
TAI_Fe3	0.2483	3.964	0.0018	0.0995	10.829	0.0016
XMg	0.3478	5.409	0.0001	0.0000		

Notes

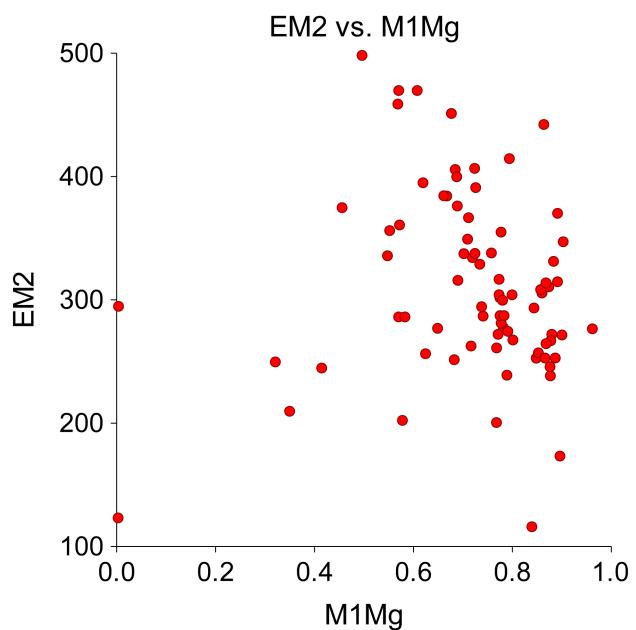
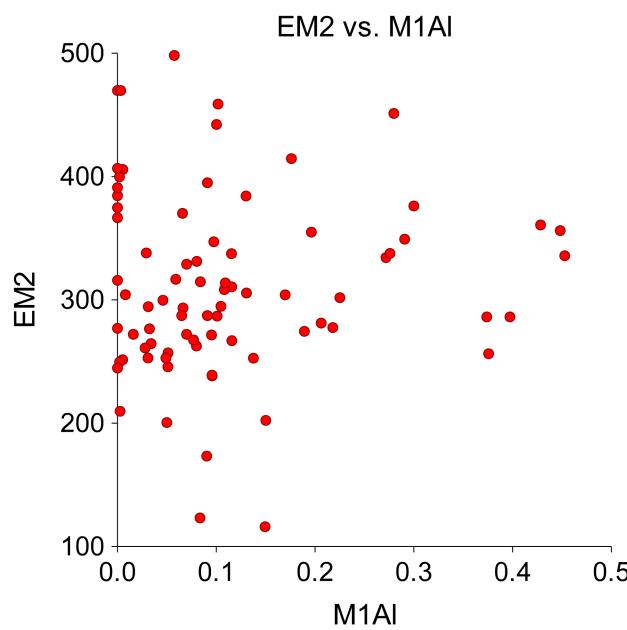
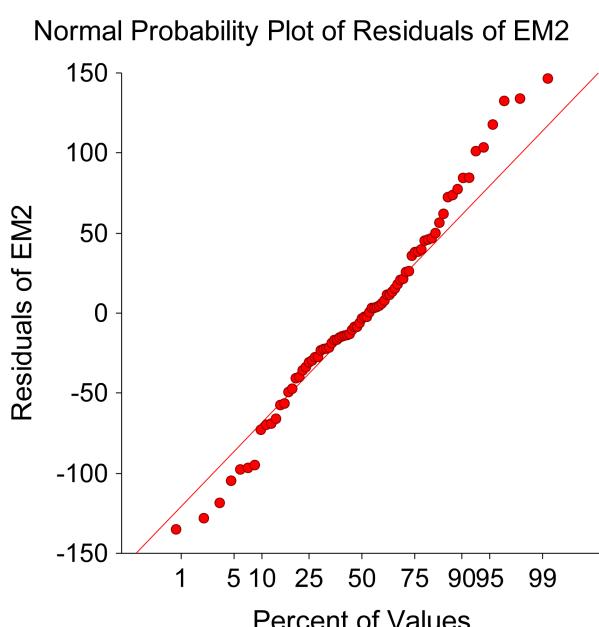
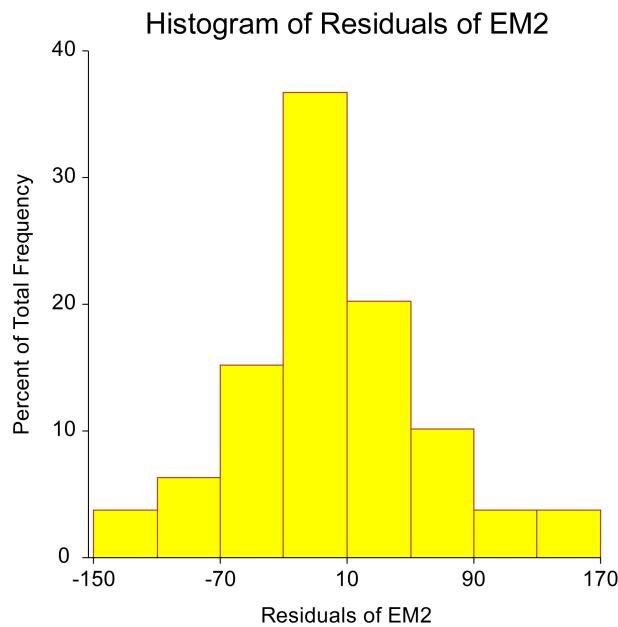
1. INCLUDED variables are those listed from current row up (includes current row).
2. OMITTED variables are those listed below (but not including) this row.

Multicollinearity Report

Independent Variable	Variance Inflation Factor	R ² Versus Other I.V.'s	Tolerance	Diagonal of X'X Inverse
M1Al	5.4792	0.8175	0.1825	5.268802
M1Mg	6.4072	0.8439	0.1561	2.64691
M1Ti	3.0803	0.6754	0.3246	36.42717
M2Mg	1.8412	0.4569	0.5431	3.347883
P	3.1402	0.6815	0.3185	0.03818445
TAI_Fe3	2.3848	0.5807	0.4193	2.651683
XMg	5.5462	0.8197	0.1803	2.660757

Multiple Regression Report

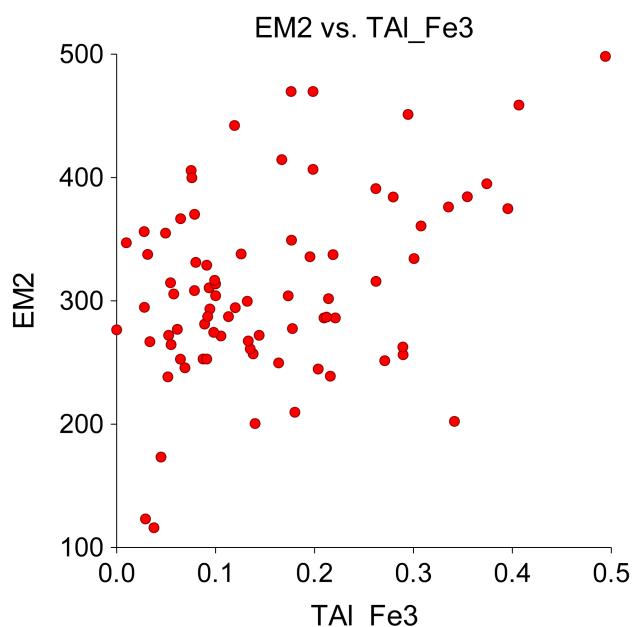
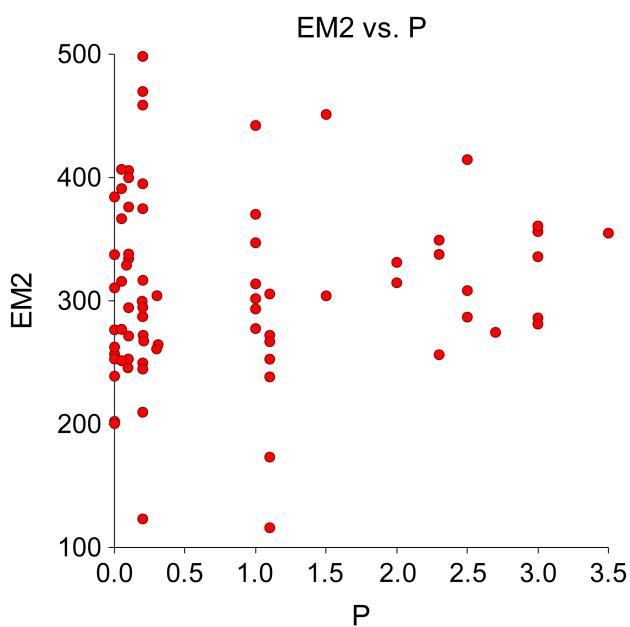
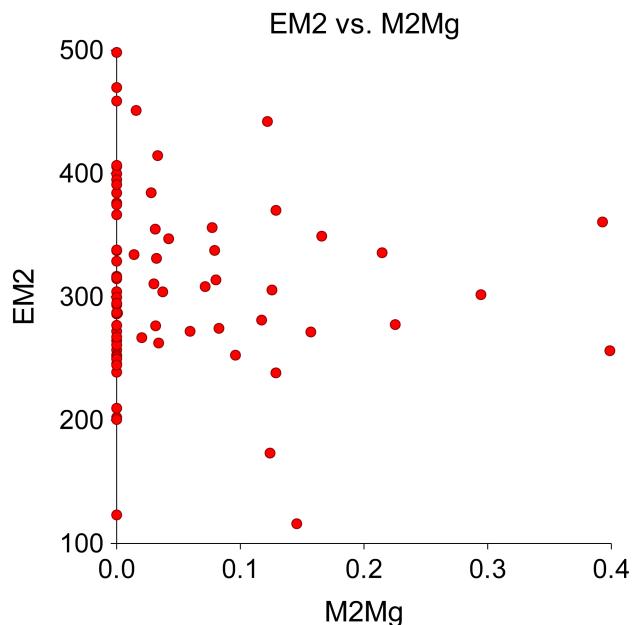
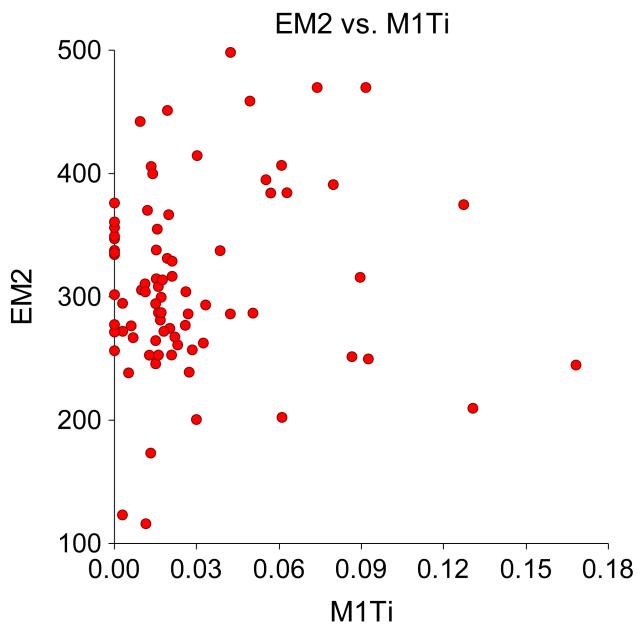
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 Filter EM2 < 500
 Dependent EM2

Plots Section

Multiple Regression Report

Dataset
Filter
Dependent

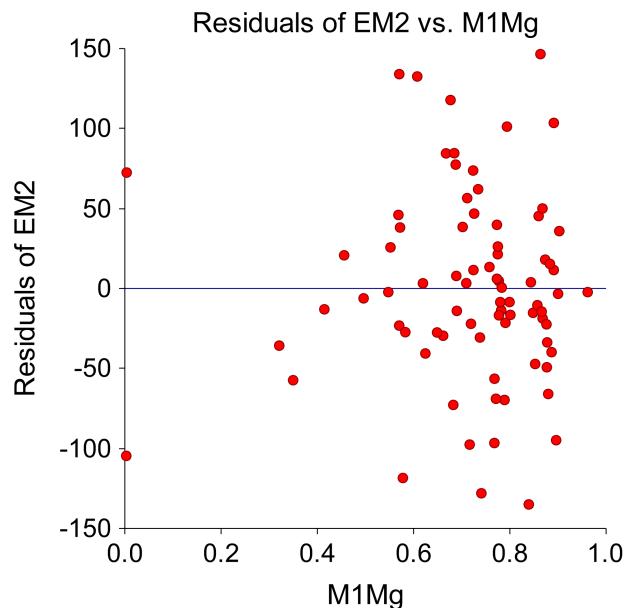
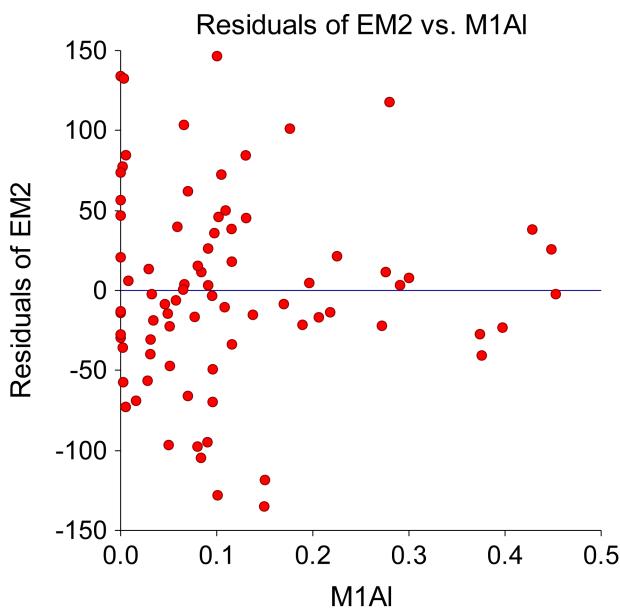
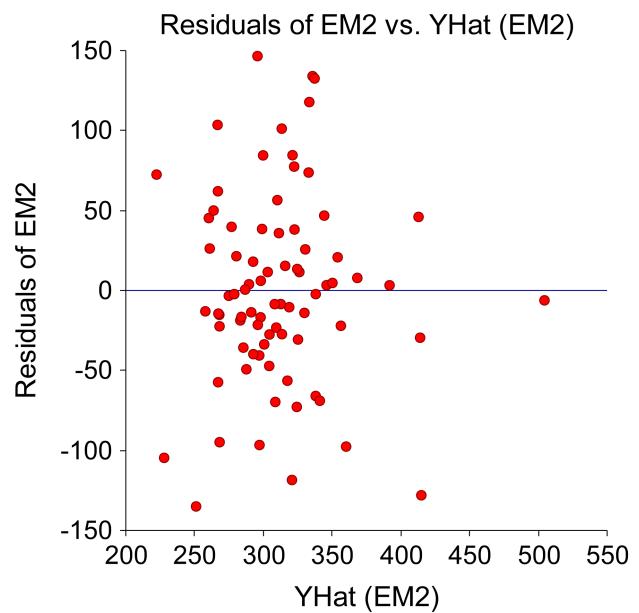
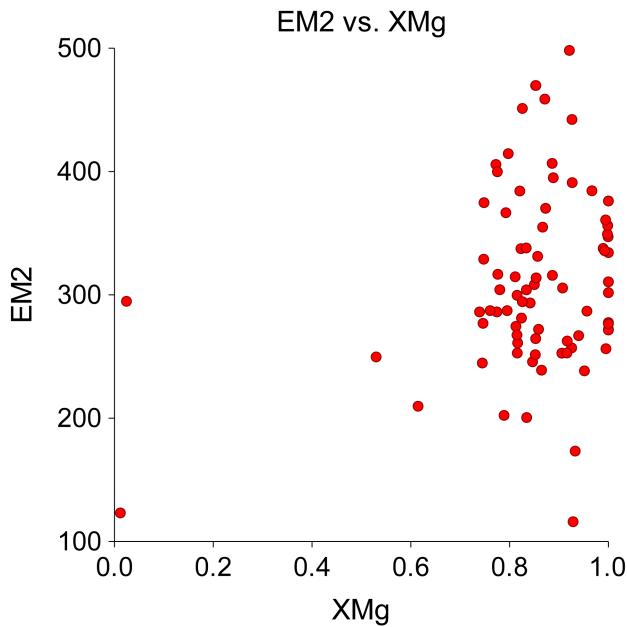
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EM2 < 500
EM2



Multiple Regression Report

Dataset
Filter
Dependent

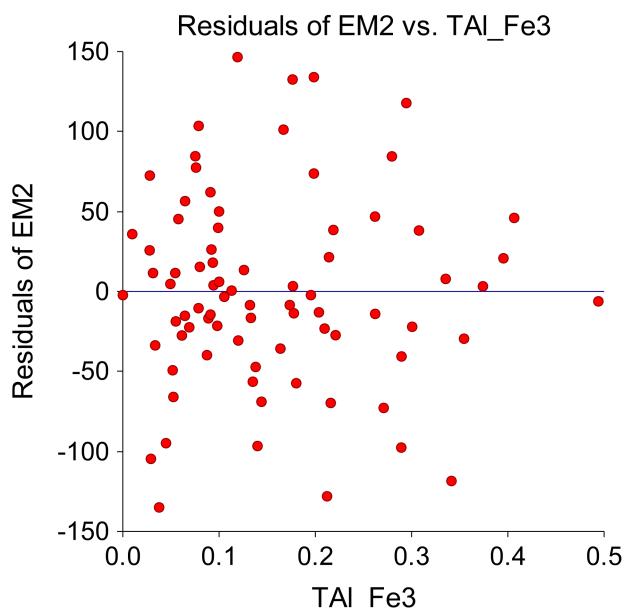
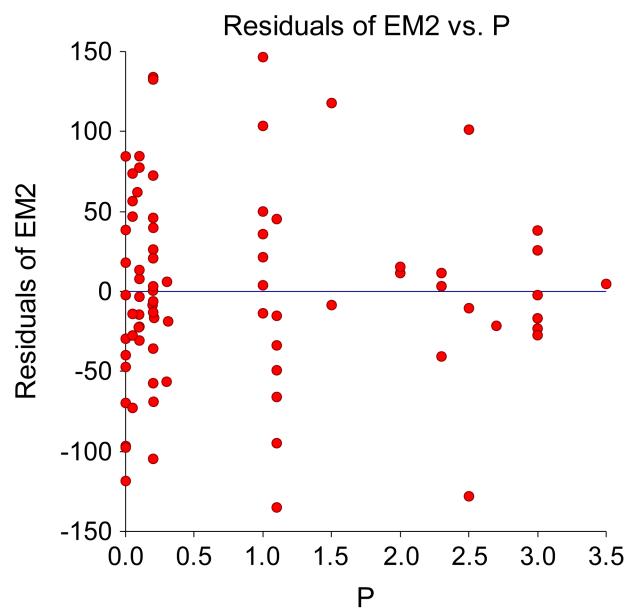
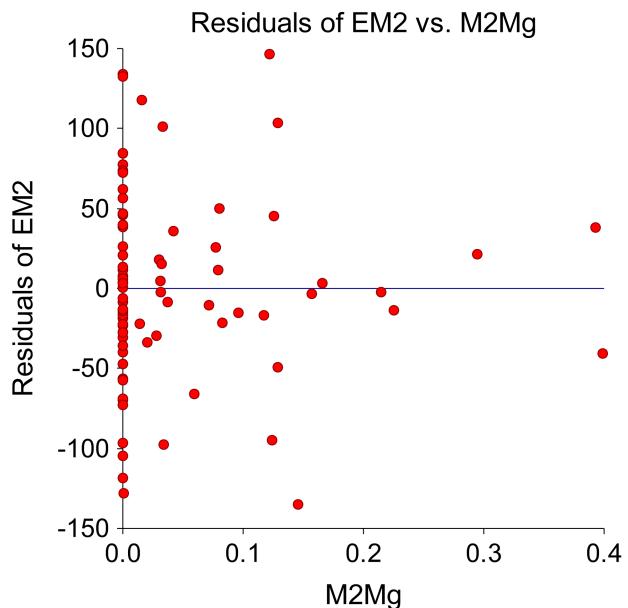
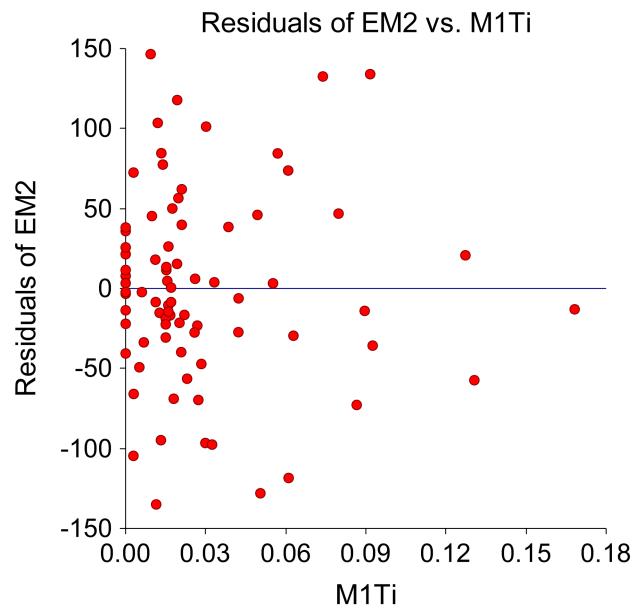
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EM2 < 500
EM2



Multiple Regression Report

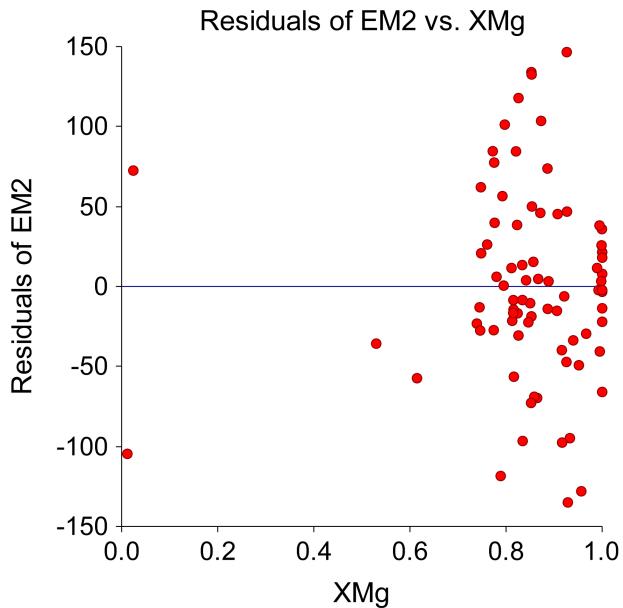
Dataset
Filter
Dependent

C:\Users\VvH\Desktop\charlie_final.NCSS
EM2 < 500
EM2



Multiple Regression Report

Dataset C:\Users\VvH\Desktop\charlie_final.NCSS
Filter EM2 < 500
Dependent EM2



Multiple Regression Report

Dataset C:\Users\VvH\Desktop\charlie_final.NCSS
 Dependent R0M2

Run Summary Report

Item	Value	Rows	Value
Dependent Variable	R0M2	Rows Processed	294
Number Ind. Variables	5	Rows Filtered Out	0
Weight Variable	None	Rows with X's Missing	50
R ²	0.8456	Rows with Weight Missing	0
Adj R ²	0.8354	Rows with Y Missing	162
Coefficient of Variation	0.0122	Rows Used in Estimation	82
Mean Square Error	0.0001613636	Sum of Weights	82.000
Square Root of MSE	0.0127029		
Ave Abs Pct Error	0.819		
Completion Status	Normal Completion		

Descriptive Statistics

Variable	Count	Mean	Standard	Minimum	Maximum
			Deviation		
M1Ti	82	0.03187644	0.03615495	0	0.1681806
M1_Al_Fe3	82	0.0186172	0.2116665	-0.6553774	0.4526981
M2Ca	82	0.7963217	0.1577215	0.1297377	1.012761
M2Na	82	0.09518524	0.1407823	0	0.8427446
T	82	1354.254	218.3884	923	1811
R0M2	82	1.038643	0.03131436	0.9600638	1.118807

Correlation Matrix

	M1Ti	M1_Al_Fe3	M2Ca	M2Na
M1Ti	1.0000	-0.5538	0.1482	0.1720
M1_Al_Fe3	-0.5538	1.0000	-0.0173	-0.4152
M2Ca	0.1482	-0.0173	1.0000	-0.7919
M2Na	0.1720	-0.4152	-0.7919	1.0000
T	-0.5419	0.8422	-0.0415	-0.3408
R0M2	0.6422	-0.8372	0.0309	0.4629

Correlation Matrix

	T	R0M2
M1Ti	-0.5419	0.6422
M1_Al_Fe3	0.8422	-0.8372
M2Ca	-0.0415	0.0309
M2Na	-0.3408	0.4629
T	1.0000	-0.8165
R0M2	-0.8165	1.0000

Multiple Regression Report

Dataset C:\Users\VvH\Desktop\charlie_final.NCSS
Dependent R0M2

Regression Coefficients T-Tests

Independent Variable	Regression Coefficient $b(i)$	Standard Error $Sb(i)$	Standardized Coefficient $\beta(i)$	T-Statistic $H_0: \beta(i)=0$	Prob Level	Reject H0 at 5%?	Power of Test at 5%
Intercept	1.007658	0.02428858	0.0000	41.487	0.0000	Yes	1.0000
M1Ti	0.1565267	0.04867407	0.1807	3.216	0.0019	Yes	0.8878
M1_Al_Fe3	-0.03170587	0.01390518	-0.2143	-2.280	0.0254	Yes	0.6146
M2Ca	0.09312776	0.01916987	0.4691	4.858	0.0000	Yes	0.9977
M2Na	0.1352746	0.02333706	0.6082	5.797	0.0000	Yes	0.9999
T	-4.463673E-05	1.216776E-05	-0.3113	-3.668	0.0005	Yes	0.9517

Regression Coefficients Confidence Intervals

Independent Variable	Regression Coefficient $b(i)$	Standard Error $Sb(i)$	Lower 95% Conf. Limit of $\beta(i)$	Upper 95% Conf. Limit of $\beta(i)$
Intercept	1.007658	0.02428858	0.9592827	1.056032
M1Ti	0.1565267	0.04867407	0.05958389	0.2534695
M1_Al_Fe3	-0.03170587	0.01390518	-0.05940044	-0.004011296
M2Ca	0.09312776	0.01916987	0.05494766	0.1313079
M2Na	0.1352746	0.02333706	0.0887948	0.1817544
T	-4.463673E-05	1.216776E-05	-6.887093E-05	-2.040254E-05

Note: The T-Value used to calculate these confidence limits was 1.992.

Estimated Equation

R0M2 =
 $1.00765757780141 + 0.156526707251433 * M1Ti - 0.0317058684652425 * M1_Al_Fe3 + 0.0931277569079894 * M2Ca + 0.135274579922311 * M2Na - 4.46367330043406E-05 * T$

Analysis of Variance

Source	DF	R ²	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (5%)
Intercept	1		88.45993	88.45993			
Model	5	0.8456	0.06716409	0.01343282	83.246	0.0000	1.0000
Error	76	0.1544	0.01226364	0.0001613636			
Total(Adjusted)	81	1.0000	0.07942772	0.0009805892			

Multiple Regression Report

Dataset C:\Users\VvH\Desktop\charlie_final.NCSS
Dependent R0M2

Analysis of Variance Detail

Source	DF	R ²	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (5%)
Intercept	1		88.45993	88.45993			
Model	5	0.8456	0.06716409	0.01343282	83.246	0.0000	1.0000
M1Ti	1	0.0210	0.001668734	0.001668734	10.341	0.0019	0.8878
M1_Al_Fe3	1	0.0106	0.0008389413	0.0008389413	5.199	0.0254	0.6146
M2Ca	1	0.0479	0.003808253	0.003808253	23.600	0.0000	0.9977
M2Na	1	0.0683	0.005421829	0.005421829	33.600	0.0000	0.9999
T	1	0.0273	0.002171547	0.002171547	13.457	0.0005	0.9517
Error	76	0.1544	0.01226364	0.0001613636			
Total(Adjusted)	81	1.0000	0.07942772	0.0009805892			

PRESS Report

Parameter	From PRESS	From Regular
	Residuals	Residuals
Sum of Squared Residuals	0.01433484	0.01226364
Sum of Residuals	0.7562517	0.6906011
R ²	0.8195	0.8456

Normality Tests

Test	Test Statistic	Reject	
	to Test	Prob Level	H0 at 20%?
Name	H0: Normal		
Shapiro Wilk	0.858	0.0000	Yes
Anderson Darling	2.045	0.0000	Yes
D'Agostino Skewness	-5.353	0.0000	Yes
D'Agostino Kurtosis	4.551	0.0000	Yes
D'Agostino Omnibus	49.366	0.0000	Yes

R² Report

Independent Variable (IV)	Increase in R ²				
	Total R ² for this IV and IV's Above	R ² if this IV Included Above	Decrease in R ² if this IV was Removed	R ² if this IV was Fit Alone	Partial R ² if Adjusted for All Other IV's
M1Ti	0.4124	0.4124	0.0210	0.4124	0.1198
M1_Al_Fe3	0.7468	0.3345	0.0106	0.7008	0.0640
M2Ca	0.7472	0.0004	0.0479	0.0010	0.2370
M2Na	0.8183	0.0710	0.0683	0.2142	0.3066
T	0.8456	0.0273	0.0273	0.6666	0.1504

Multiple Regression Report

Dataset C:\Users\VvH\Desktop\charlie_final.NCSS
Dependent R0M2

Variable Omission Report

Independent Variable	R ² When I.V. Omitted	MSE When I.V. Omitted	Mallow's Cp When I.V. Omitted	H0: β(i)=0 Prob Level	R ² of Regress. of This I.V. on Other I.V.'s
Full Model	0.8456	0.0001613636			
M1Ti	0.8246	0.0001809399	14.341	0.0019	0.3567
M1_Al_Fe3	0.8350	0.0001701634	9.199	0.0254	0.7700
M2Ca	0.7977	0.0002087258	27.600	0.0000	0.7821
M2Na	0.7773	0.0002296814	37.600	0.0000	0.8154
T	0.8183	0.0001874699	17.457	0.0005	0.7179

Sequential Models Report

Independent Variable	Included R ²	Included F-Ratio	Included Prob Level	Omitted R ²	Omitted F-Ratio	Omitted Prob Level
M1Ti	0.4124	56.141	0.0000	0.4332	53.311	0.0000
M1_Al_Fe3	0.7468	116.525	0.0000	0.0988	16.205	0.0000
M2Ca	0.7472	76.856	0.0000	0.0984	24.213	0.0000
M2Na	0.8183	86.671	0.0000	0.0273	13.457	0.0005
T	0.8456	83.246	0.0000	0.0000		

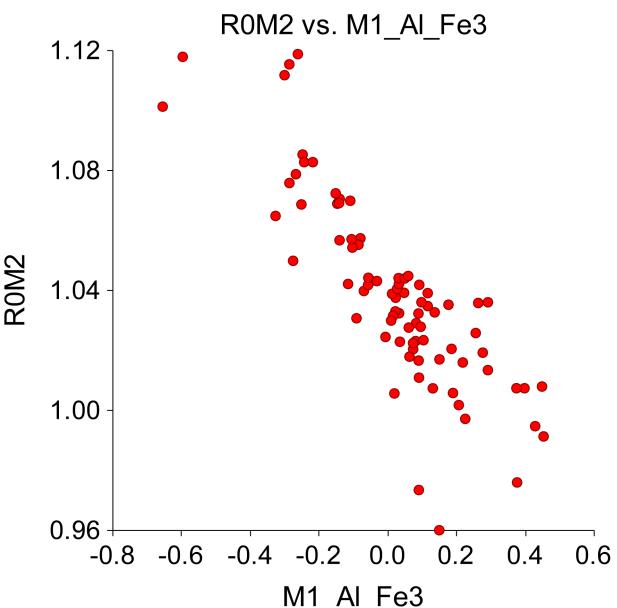
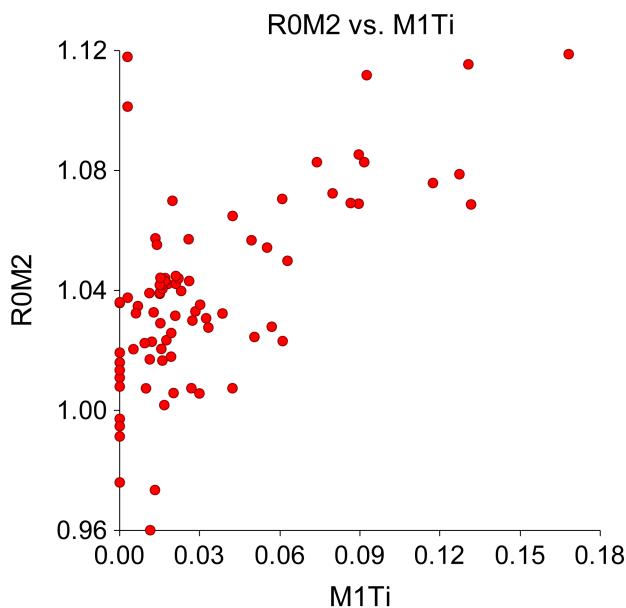
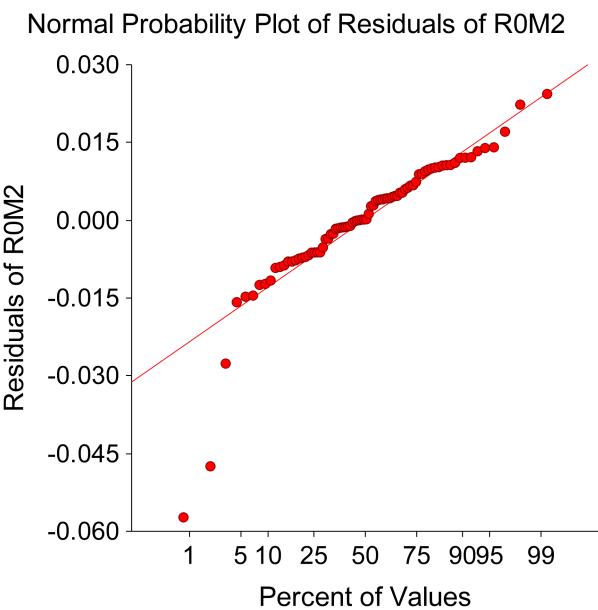
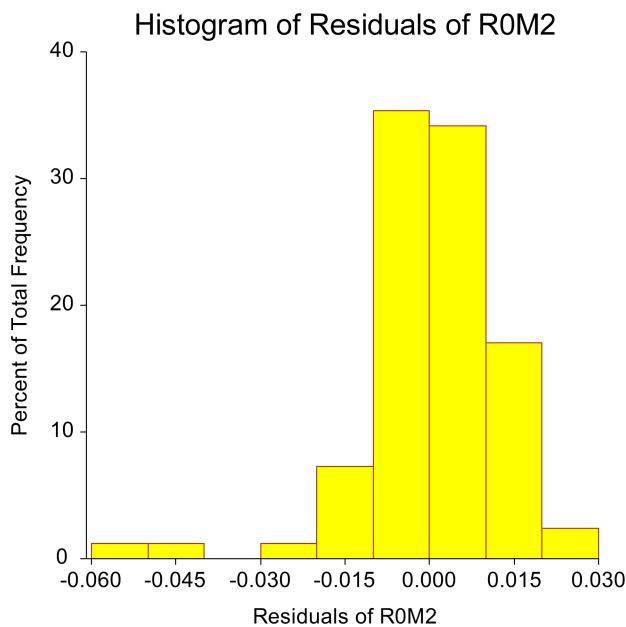
Notes

1. INCLUDED variables are those listed from current row up (includes current row).

2. OMITTED variables are those listed below (but not including) this row.

Multicollinearity Report

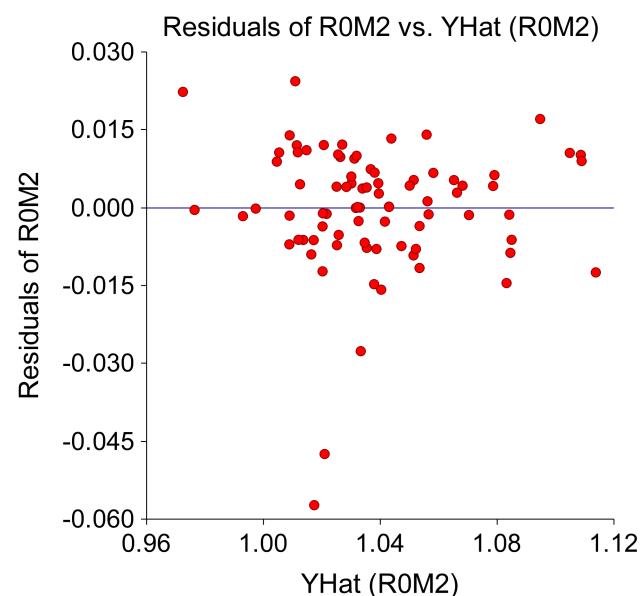
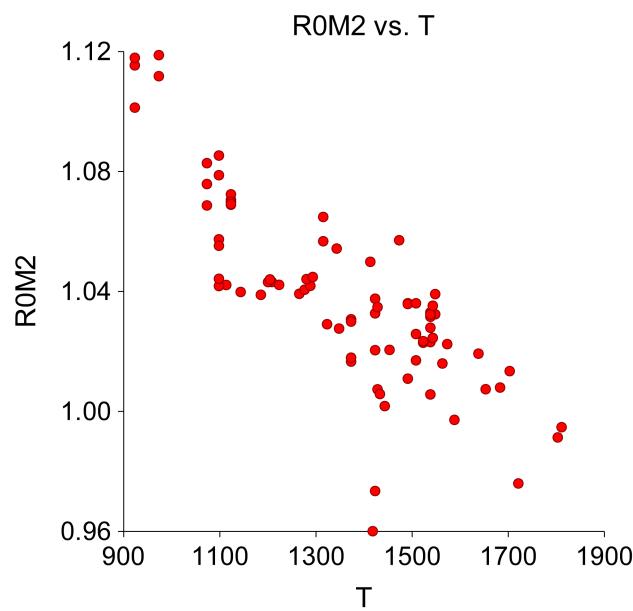
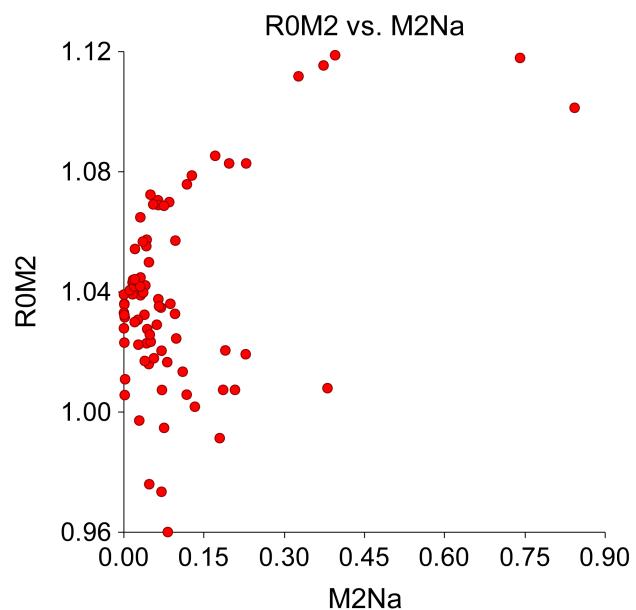
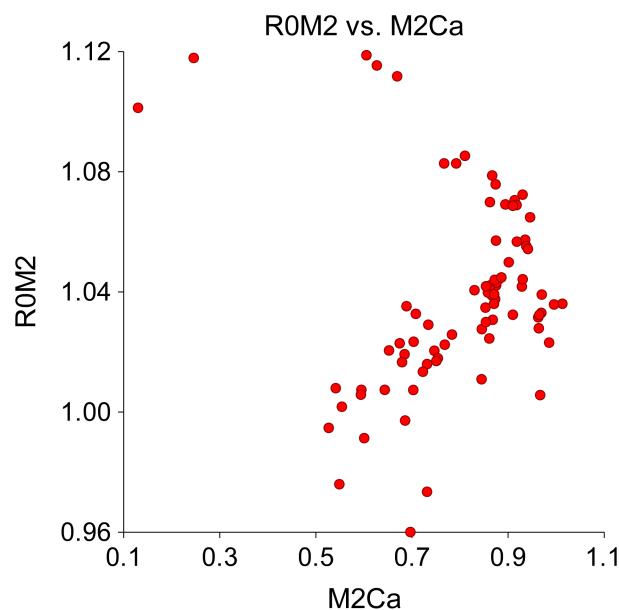
Independent Variable	Variance Inflation Factor	R ² Versus Other I.V.'s	Tolerance	Diagonal of X'X Inverse
M1Ti	1.5546	0.3567	0.6433	14.68215
M1_Al_Fe3	4.3485	0.7700	0.2300	1.198251
M2Ca	4.5888	0.7821	0.2179	2.277364
M2Na	5.4184	0.8154	0.1846	3.375099
T	3.5445	0.7179	0.2821	9.175199E-07

Multiple Regression ReportDataset
DependentC:\Users\VvH\Desktop\charlie_final.NCSS
R0M2**Plots Section**

Dataset
Dependent

Multiple Regression Report
C:\Users\VvH\Desktop\charlie_final.NCSS

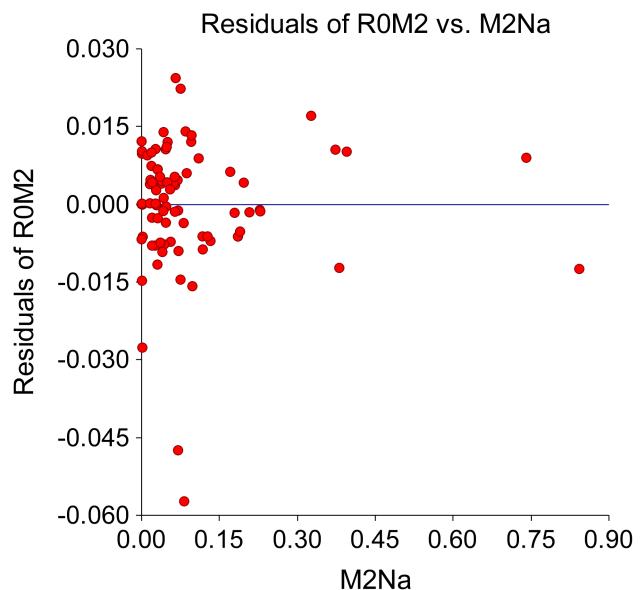
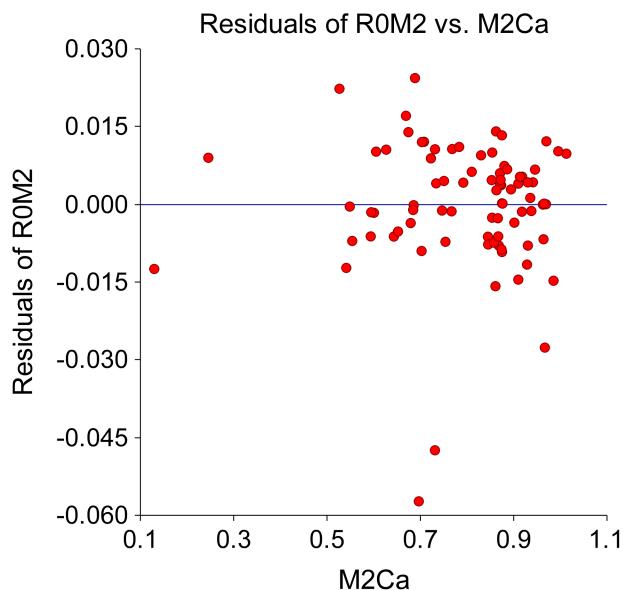
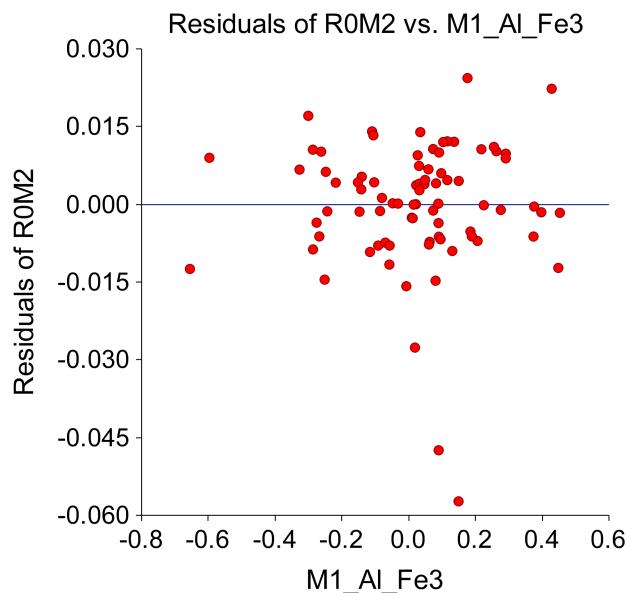
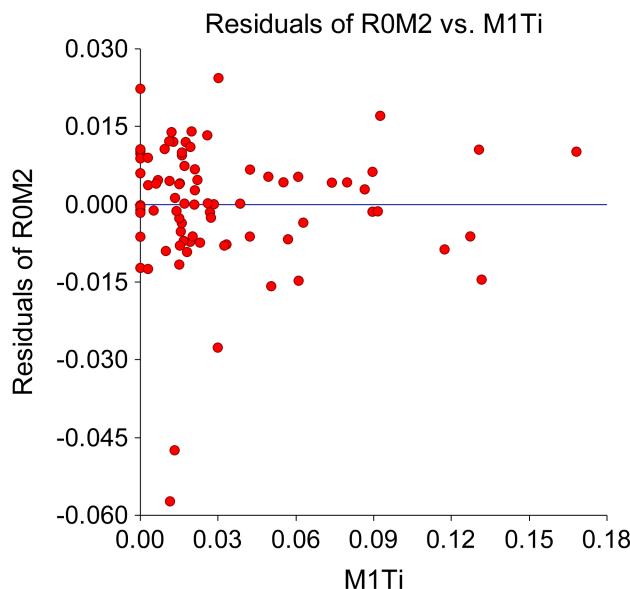
R0M2



Dataset
Dependent

Multiple Regression Report

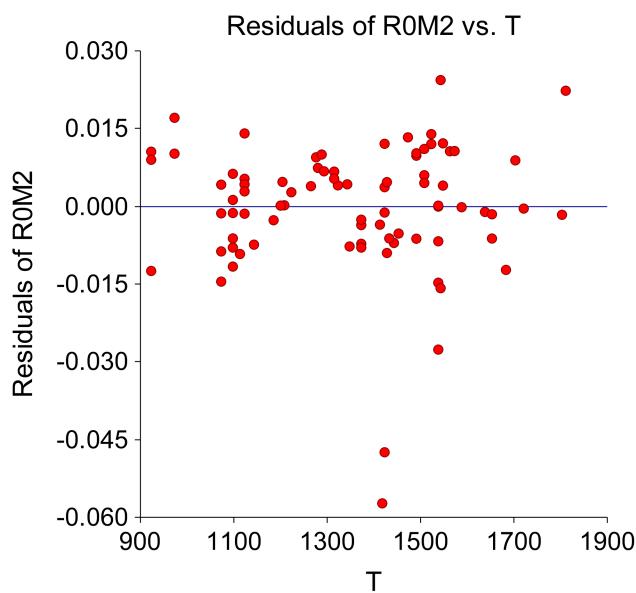
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R0M2



Dataset
Dependent

Multiple Regression Report

C:\Users\VvH\Desktop\charlie_final.NCSS
R0M2



Multiple Regression Subset Selection Report

Dataset C:\...\M1_MultipleRegressionNCSS\M1_inputs_NoHiTi_NoNLS.NCSS

Dependent LnD0M1

Warning: At least one value was reset to 0.0 because it was less than the machine zero of 1E-10.

Run Summary Report

Item	Value	Rows	Value
Dependent Variable	LnD0M1	Rows Processed	371
Number Ind. Variables	4	Rows Filtered Out	0
Weight Variable	None	Rows with X's Missing	355
R ²	0.9592	Rows with Weight Missing	0
Adj R ²	0.9443	Rows with Y Missing	0
Coefficient of Variation	0.0589	Rows Used in Estimation	16
Mean Square Error	0.02511749	Sum of Weights	16.000
Square Root of MSE	0.158485		
Ave Abs Pct Error	4.344		
Completion Status	Normal Completion		

Descriptive Statistics

Variable	Count	Mean	Standard Deviation	Minimum	Maximum
T	16	1156.313	190.6294	923	1493
P	16	0.4125	0.5414487	0.1	1.5
TSi	16	1.831541	0.1174438	1.55975	1.964949
TAI	16	0.1490326	0.1038019	0.03505147	0.418059
TFellII	16	0.01942649	0.02256456	0	0.06546125
M1AI	16	0.02953457	0.04265318	0	0.1169223
M1Mg	16	0.5310053	0.1917665	0.2194006	0.9000636
M1FellII	16	0.1132235	0.08511645	0	0.2804762
M2Mg	16	0.03377294	0.06105937	0	0.1569844
M2FellII	16	0.008107714	0.01185474	0	0.03913879
M2Na	16	0.1303522	0.1355883	0.002087216	0.3949045
M1FellII	16	0.1541018	0.119236	0	0.3029096
M1Ti	16	0.1694358	0.216026	0	0.6636772
M2Ca	16	0.8201818	0.107692	0.6050674	0.9377974
LnD0M1	16	2.690446	0.6716442	1.494294	3.938119

Regression Coefficients T-Tests

Independent Variable	Regression Coefficient b(i)	Standard Error Sb(i)	Standardized Coefficient	T-Statistic H0: β(i)=0	Prob Level	Reject H0 at 10%?	Power of Test at 10%
Intercept	5.500916	1.354614	0.0000	4.061	0.0019	Yes	0.9842
TAI	3.995586	0.5255206	0.6175	7.603	0.0000	Yes	1.0000
M1FellII	2.634735	0.928459	0.3339	2.838	0.0161	Yes	0.8443
M2Na	-7.845783	1.478601	-1.5839	-5.306	0.0003	Yes	0.9995
M2Ca	-3.269448	1.581918	-0.5242	-2.067	0.0631	Yes	0.6152

Multiple Regression Subset Selection Report

Dataset C:\...\M1_MultipleRegressionNCSS\M1_inputs_NoHiTi_NoNLS.NCSS

Dependent LnD0M1

Warning: At least one value was reset to 0.0 because it was less than the machine zero of 1E-10.

Regression Coefficients Confidence Intervals

Independent Variable	Regression Coefficient b(i)	Standard Error Sb(i)	Lower 95% Conf. Limit of $\beta(i)$	Upper 95% Conf. Limit of $\beta(i)$
Intercept	5.500916	1.354614	2.519431	8.482401
TAI	3.995586	0.5255206	2.838923	5.152249
M1Fell	2.634735	0.928459	0.5912106	4.67826
M2Na	-7.845783	1.478601	-11.10016	-4.591403
M2Ca	-3.269448	1.581918	-6.751225	0.2123298

Note: The T-Value used to calculate these confidence limits was 2.201.

Estimated Equation

LnD0M1 =
 5.50091621947588 + 3.99558563081954 * TAI + 2.6347351421149 * M1Fell - 7.84578261535772 * M2Na -
 3.26944785398326 * M2Ca

Analysis of Variance

Source	DF	R ²	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (10%)
Intercept	1		115.816	115.816			
Model	4	0.9592	6.490295	1.622574	64.599	0.0000	1.0000
Error	11	0.0408	0.2762924	0.02511749			
Total(Adjusted)	15	1.0000	6.766588	0.4511058			

Multiple Regression Subset Selection Report

Dataset C:\...\M1_MultipleRegressionNCSS\M1_inputs_NoHiTi_NoNLS.NCSS

Dependent LnD0M1

Warning: At least one value was reset to 0.0 because it was less than the machine zero of 1E-10.

Analysis of Variance Detail

Source	DF	R ²	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (10%)
Intercept	1		115.816	115.816			
Model	4	0.9592	6.490295	1.622574	64.599	0.0000	1.0000
TAI	1	0.2146	1.45197	1.45197	57.807	0.0000	1.0000
M1Fell	1	0.0299	0.2022668	0.2022668	8.053	0.0161	0.8443
M2Na	1	0.1045	0.7072071	0.7072071	28.156	0.0003	0.9995
M2Ca	1	0.0159	0.1072895	0.1072895	4.272	0.0631	0.6152
Error	11	0.0408	0.2762924	0.02511749			
Total(Adjusted)	15	1.0000	6.766588	0.4511058			

PRESS Report

Parameter	From PRESS	From Regular
	Residuals	Residuals
Sum of Squared Residuals	0.5900398	0.2762924
Sum of Residuals	2.620446	1.779143
R ²	0.9128	0.9592

Normality Tests

Test	Test Statistic		Reject H0 at 20%?
	to Test	Prob Level	
Name	H0: Normal		
Shapiro Wilk	0.968	0.8123	No
Anderson Darling	0.267	0.6868	No
D'Agostino Skewness	-0.598	0.5496	No
D'Agostino Kurtosis	-0.263	0.7926	No
D'Agostino Omnibus	0.427	0.8077	No

Predicted Values with Prediction Limits of Individuals

Row	Actual LnD0M1	Predicted LnD0M1	Standard Error of Predicted	95% Lower Pred. Limit of Individual	95% Upper Pred. Limit of Individual
1	2.898175	2.782659	0.166947	2.415211	3.150107
2	3.938119	3.837506	0.1983237	3.400999	4.274014
3	3.297909	3.448561	0.1825096	3.04686	3.850261
4	2.042864	2.084217	0.1816768	1.684349	2.484085
5	2.010695	2.046564	0.1983159	1.610074	2.483054
6	2.050297	2.201198	0.1789202	1.807397	2.594998
7	1.494294	1.350661	0.1878673	0.9371677	1.764154
8	1.601459	1.657034	0.1828256	1.254637	2.05943
9	3.074992	3.039756	0.1712666	2.6628	3.416711
10	3.179	3.099854	0.1701773	2.725296	3.474412
11	2.985114	2.94147	0.1831555	2.538348	3.344593
12	2.904129	2.935731	0.1830627	2.532813	3.33865
13	2.557227	2.83278	0.1761397	2.4451	3.220461
14	2.839078	2.693614	0.17669	2.304722	3.082507
15	3.178054	2.951735	0.1846971	2.545219	3.35825
16	2.995732	3.1438	0.1793835	2.748979	3.53862

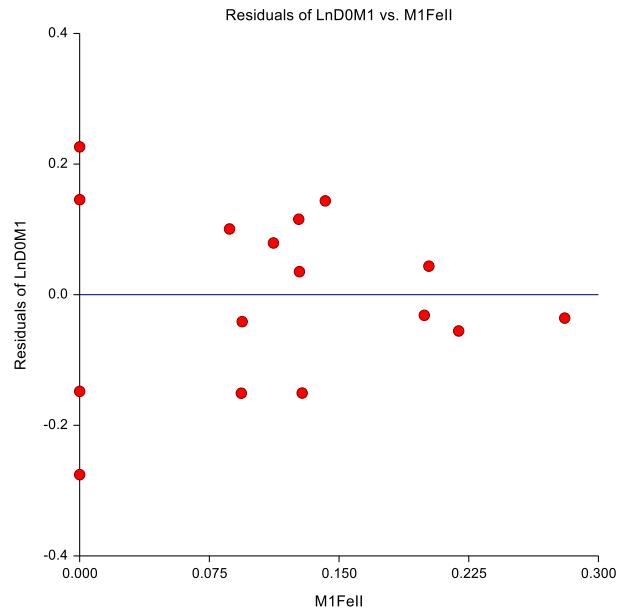
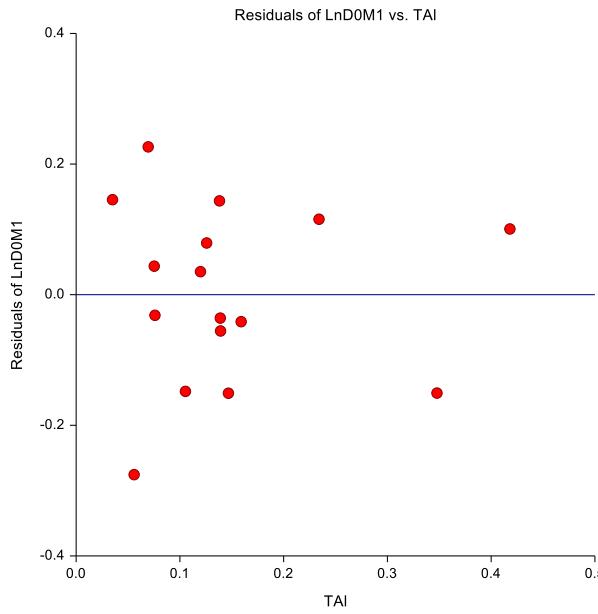
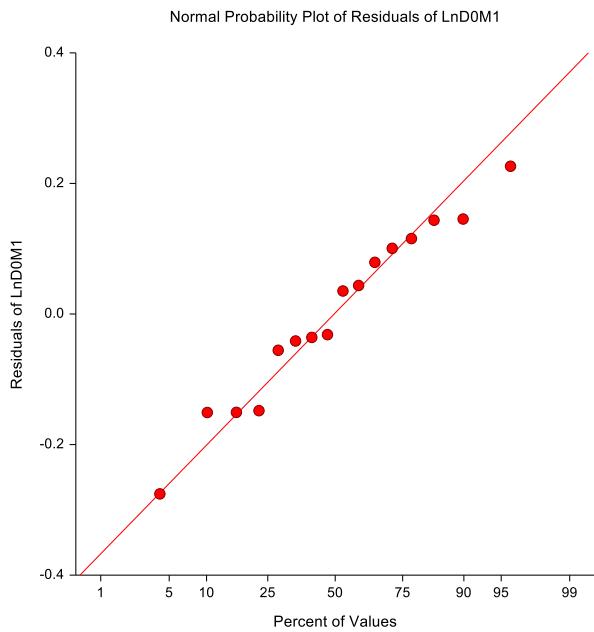
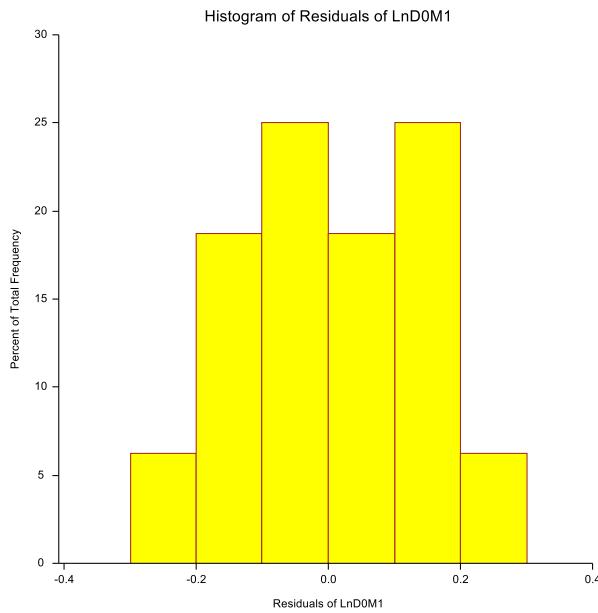
Multiple Regression Subset Selection Report

Dataset C:\...\M1_MultipleRegressionNCSS\M1_inputs_NoHiTi_NoNLS.NCSS

Dependent LnD0M1

Warning: At least one value was reset to 0.0 because it was less than the machine zero of 1E-10.

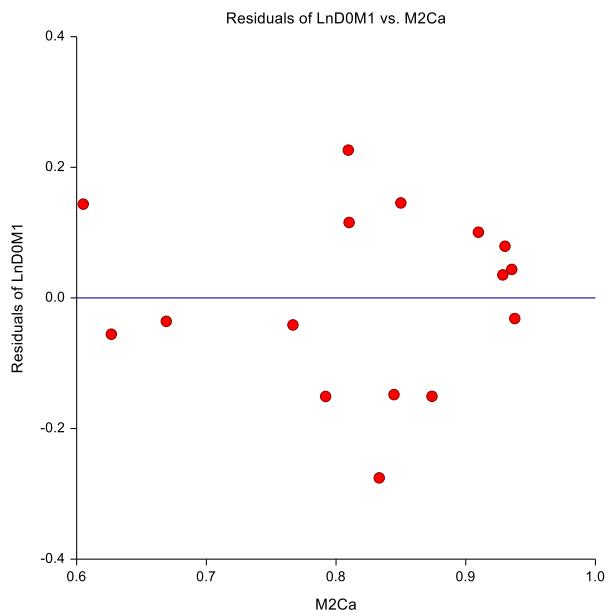
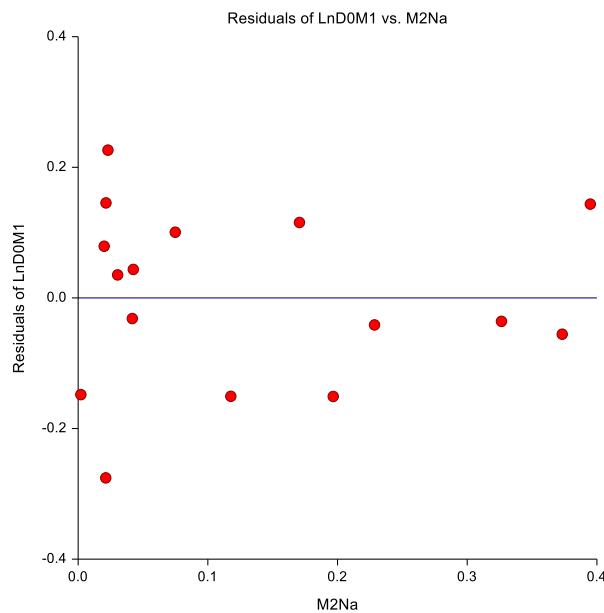
Plots Section



Multiple Regression Subset Selection Report

Dataset C:\...\M1_MultipleRegressionNCSS\M1_inputs_NoHiTi_NoNLS.NCSS
Dependent LnD0M1

Warning: At least one value was reset to 0.0 because it was less than the machine zero of 1E-10.



Multiple Regression Report

Dataset C:\...\M1_MultipleRegressionNCSS\M1_inputs_NoHiTi.NCSS
 Dependent EM1

Run Summary Report

Item	Value	Rows	Value
Dependent Variable	EM1	Rows Processed	373
Number Ind. Variables	3	Rows Filtered Out	0
Weight Variable	None	Rows with X's Missing	355
R ²	0.9361	Rows with Weight Missing	0
Adj R ²	0.9224	Rows with Y Missing	0
Coefficient of Variation	0.1732	Rows Used in Estimation	18
Mean Square Error	14796.85	Sum of Weights	18.000
Square Root of MSE	121.6423		
Ave Abs Pct Error	13.569		
Completion Status	Normal Completion		

Descriptive Statistics

Variable	Count	Mean	Standard Deviation	Minimum	Maximum
T	18	1130.389	194.3112	923	1493
P	18	0.3888889	0.5132238	0.1	1.5
M1Mg	18	0.4723684	0.2481376	0.002815912	0.9000636
EM1	18	702.3118	436.7399	276.8883	1635

Regression Coefficients T-Tests

Independent Variable	Regression Coefficient b(i)	Standard Error Sb(i)	Standardized Coefficient	T-Statistic to Test H0: β(i)=0	Prob Level	Reject H0 at 5%?	Power of Test at 5%
Intercept	-2322.423	298.3897	0.0000	-7.783	0.0000	Yes	1.0000
T	3.151076	0.3713025	1.4020	8.487	0.0000	Yes	1.0000
P	-408.8268	144.7477	-0.4804	-2.824	0.0135	Yes	0.7476
M1Mg	-800.6854	212.4773	-0.4549	-3.768	0.0021	Yes	0.9382

Regression Coefficients Confidence Intervals

Independent Variable	Regression Coefficient b(i)	Standard Error Sb(i)	Lower 95% Conf. Limit of β(i)	Upper 95% Conf. Limit of β(i)
Intercept	-2322.423	298.3897	-2962.405	-1682.441
T	3.151076	0.3713025	2.354712	3.947441
P	-408.8268	144.7477	-719.2798	-98.37388
M1Mg	-800.6854	212.4773	-1256.404	-344.9669

Note: The T-Value used to calculate these confidence limits was 2.145.

Multiple Regression Report

Dataset C:\...\M1_MultipleRegressionNCSS\M1_inputs_NoHiTi.NCSS
 Dependent EM1

Estimated Equation

EM1 =
 -2322.42296667789 + 3.15107615475093 * T - 408.826831327684 * P - 800.68542038057 * M1Mg

Analysis of Variance

Source	DF	R ² Lost		Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (5%)
		If Term(s) Removed						
Intercept	1			8878353	8878353			
Model	3	0.9361		3035454	1011818	68.381	0.0000	1.0000
Error	14	0.0639		207155.9	14796.85			
Total(Adjusted)	17			3242610	190741.8			

Analysis of Variance Detail

Source	DF	R ² Lost		Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (5%)
		If Term(s) Removed						
Intercept	1			8878353	8878353			
Model	3	0.9361		3035454	1011818	68.381	0.0000	1.0000
T	1	0.3287		1065691	1065691	72.021	0.0000	1.0000
P	1	0.0364		118038.8	118038.8	7.977	0.0135	0.7476
M1Mg	1	0.0648		210120.3	210120.3	14.200	0.0021	0.9382
Error	14	0.0639		207155.9	14796.85			
Total(Adjusted)	17			3242610	190741.8			

PRESS Report

Parameter	From PRESS		From Regular	
	Residuals	Residuals	Residuals	Residuals
Sum of Squared Residuals	413910.5		207155.9	
Sum of Residuals	2102.838		1471.057	
R ²	0.8724		0.9361	

Normality Tests

Test	Test Statistic		Reject H ₀ at 20%?	
	Name	to Test	Prob Level	
Shapiro Wilk	H ₀ : Normal	0.954	0.4851	No
Anderson Darling		0.339	0.5021	No
D'Agostino Skewness		1.226	0.2203	No
D'Agostino Kurtosis		0.677	0.4987	No
D'Agostino Omnibus		1.960	0.3753	No

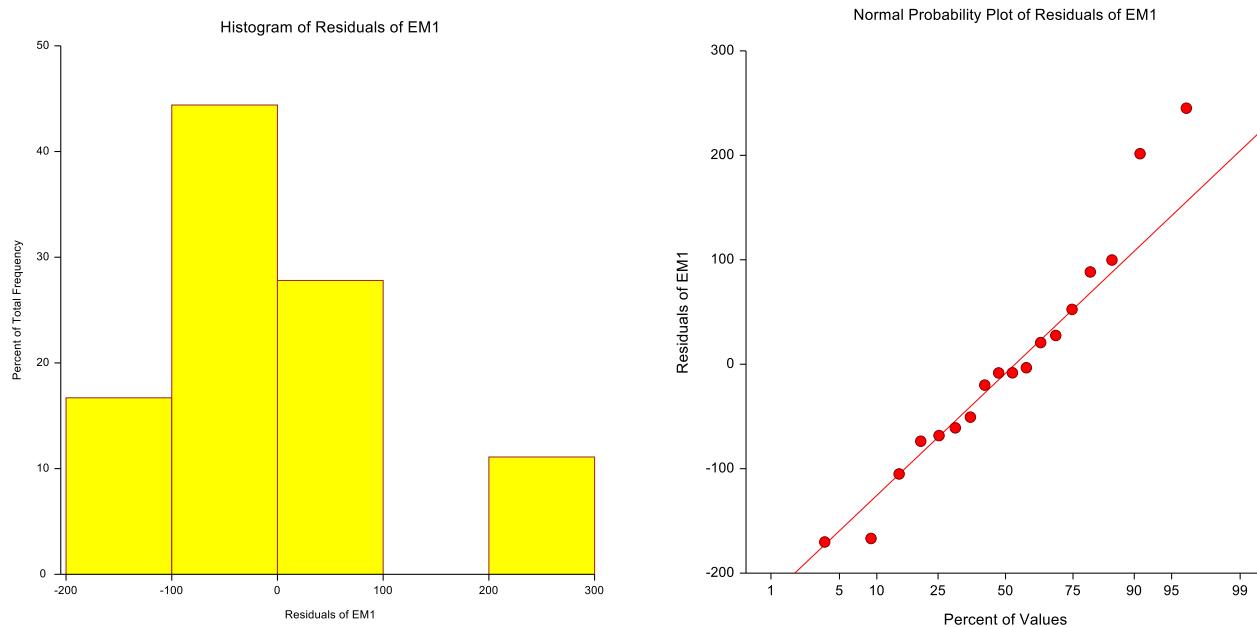
Multiple Regression Report

Dataset C:\...\M1_MultipleRegressionNCSS\M1_inputs_NoHiTi.NCSS
 Dependent EM1

Predicted Values with Prediction Limits of Individuals

Row	Actual EM1	Predicted EM1	Standard Error of Predicted	95% Lower Pred. Limit of Individual	95% Upper Pred. Limit of Individual
1	464.9874	635.167	125.5303	365.9313	904.4027
2	549.3406	552.6895	125.6485	283.2001	822.1788
3	534.8707	603.1918	125.6137	333.7771	872.6064
4	415.4012	520.4454	126.4161	249.3099	791.581
5	354.3846	405.0373	127.826	130.8779	679.1967
6	416.8496	490.5505	127.6371	216.7962	764.3049
7	310.0241	330.0092	128.189	55.07115	604.9473
8	276.8883	224.3778	130.7714	-56.09886	504.8545
9	441.0858	502.0003	143.3653	194.5123	809.4883
10	702.8107	501.2674	143.2837	193.9545	808.5803
11	533.4322	505.9133	130.482	226.0573	785.7693
12	735.2595	490.1335	131.5701	207.9437	772.3232
13	540.2794	548.6193	128.1786	273.7036	823.535
14	537.998	546.2208	128.2825	271.0822	821.3593
15	1229	1395.819	140.4564	1094.57	1697.068
16	1503	1403.241	142.2713	1098.1	1708.383
17	1461	1372.647	140.7317	1070.808	1674.487
18	1635	1614.281	167.2737	1255.515	1973.047

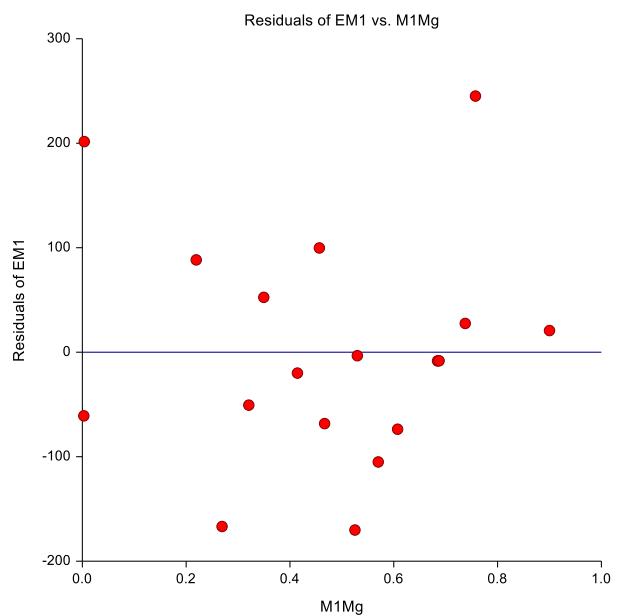
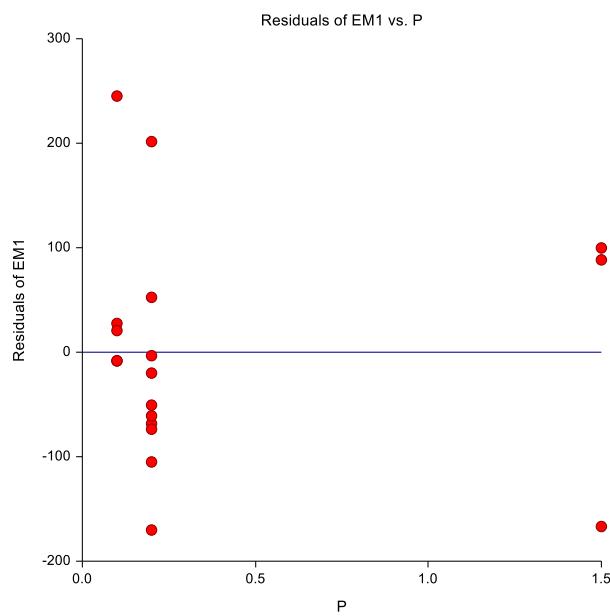
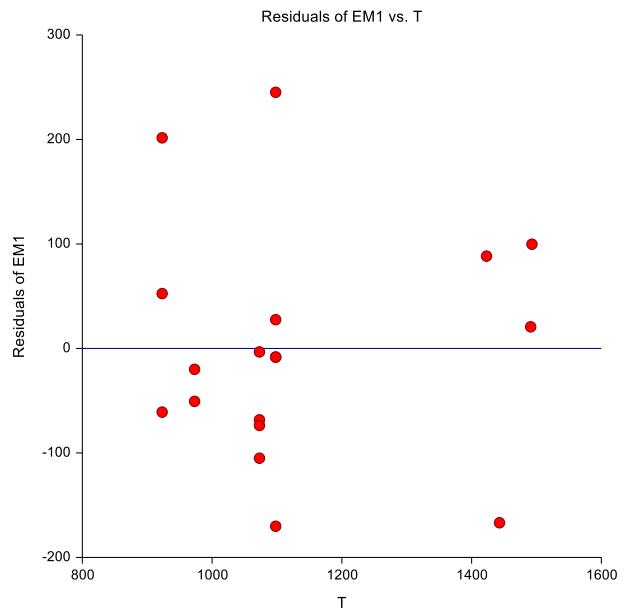
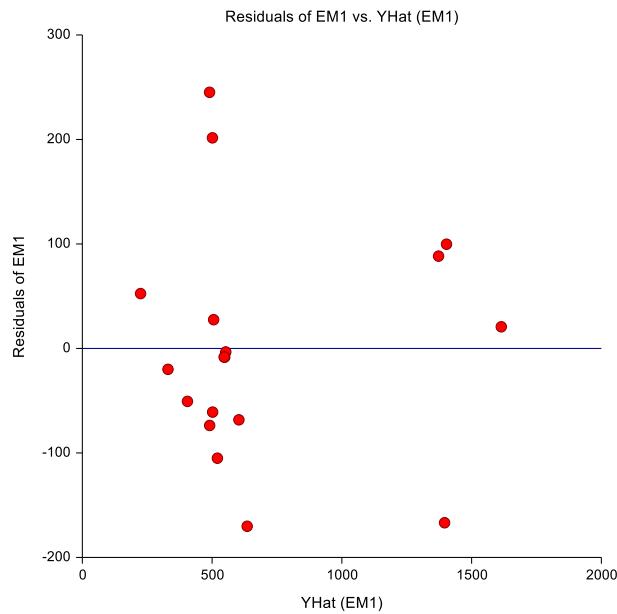
Plots Section



Multiple Regression Report

Dataset
Dependent

C:\...\M1_MultipleRegressionNCSS\M1_inputs_NoHiTi.NCSS
EM1



Multiple Regression Subset Selection Report

Dataset C:\...\M1_MultipleRegressionNCSS\M1_inputs_NoHiTi_NoNLS.NCSS

Dependent r0M1

Warning: At least one value was reset to 0.0 because it was less than the machine zero of 1E-10.

Run Summary Report

Item	Value	Rows	Value
Dependent Variable	r0M1	Rows Processed	371
Number Ind. Variables	4	Rows Filtered Out	0
Weight Variable	None	Rows with X's Missing	355
R ²	0.9873	Rows with Weight Missing	0
Adj R ²	0.9827	Rows with Y Missing	0
Coefficient of Variation	0.0092	Rows Used in Estimation	16
Mean Square Error	4.702603E-05	Sum of Weights	16.000
Square Root of MSE	0.006857553		
Ave Abs Pct Error	0.596		
Completion Status	Normal Completion		

Descriptive Statistics

Variable	Count	Mean	Standard Deviation	Minimum	Maximum
T	16	1156.313	190.6294	923	1493
P	16	0.4125	0.5414487	0.1	1.5
TSi	16	1.831541	0.1174438	1.55975	1.964949
TAI	16	0.1490326	0.1038019	0.03505147	0.418059
TFellII	16	0.01942649	0.02256456	0	0.06546125
M1AI	16	0.02953457	0.04265318	0	0.1169223
M1Mg	16	0.5310053	0.1917665	0.2194006	0.9000636
M1FellI	16	0.1132235	0.08511645	0	0.2804762
M2Mg	16	0.03377294	0.06105937	0	0.1569844
M2FellI	16	0.008107714	0.01185474	0	0.03913879
M2Na	16	0.1303522	0.1355883	0.002087216	0.3949045
M1FellII	16	0.1541018	0.119236	0	0.3029096
M1Ti	16	0.1694358	0.216026	0	0.6636772
M2Ca	16	0.8201818	0.107692	0.6050674	0.9377974
r0M1	16	0.7445589	0.05219039	0.657	0.7998777

Regression Coefficients T-Tests

Independent Variable	Regression Coefficient b(i)	Standard Error Sb(i)	Standardized Coefficient	T-Statistic H0: β(i)=0	Prob Level	Reject H0 at 10%?	Power of Test at 10%
Intercept	0.7879103	0.02572261	0.0000	30.631	0.0000	Yes	1.0000
P	-0.01736893	0.00495735	-0.1802	-3.504	0.0049	Yes	0.9487
M2Mg	-0.4761823	0.06058107	-0.5571	-7.860	0.0000	Yes	1.0000
M1FellII	0.1405298	0.03357551	0.3211	4.185	0.0015	Yes	0.9883
M2Ca	-0.05091617	0.0245025	-0.1051	-2.078	0.0619	Yes	0.6192

Multiple Regression Subset Selection Report

Dataset C:\...\M1_MultipleRegressionNCSS\M1_inputs_NoHiTi_NoNLS.NCSS
 Dependent r0M1

Warning: At least one value was reset to 0.0 because it was less than the machine zero of 1E-10.

Regression Coefficients Confidence Intervals

Independent Variable	Regression Coefficient b(i)	Standard Error Sb(i)	Lower 95% Conf. Limit of $\beta(i)$	Upper 95% Conf. Limit of $\beta(i)$
Intercept	0.7879103	0.02572261	0.7312952	0.8445254
P	-0.01736893	0.00495735	-0.02827998	-0.006457874
M2Mg	-0.4761823	0.06058107	-0.6095204	-0.3428443
M1Felli	0.1405298	0.03357551	0.06663059	0.214429
M2Ca	-0.05091617	0.0245025	-0.1048458	0.003013472

Note: The T-Value used to calculate these confidence limits was 2.201.

Estimated Equation

r0M1 =
 0.78791033802 - 0.0173689287574899 * P - 0.476182351567187 * M2Mg + 0.140529780431747 * M1Felli -
 0.0509161706256548 * M2Ca

Analysis of Variance

Source	DF	R ²	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (10%)
Intercept	1		8.869888	8.869888			
Model	4	0.9873	0.04034026	0.01008506	214.457	0.0000	1.0000
Error	11	0.0127	0.0005172863	4.702603E-05			
Total(Adjusted)	15	1.0000	0.04085754	0.002723836			

Multiple Regression Subset Selection Report

Dataset C:\...\M1_MultipleRegressionNCSS\M1_inputs_NoHiTi_NoNLS.NCSS
 Dependent r0M1

Warning: At least one value was reset to 0.0 because it was less than the machine zero of 1E-10.

Analysis of Variance Detail

Source	DF	R ²	Sum of Squares	Mean Square	F-Ratio	Prob Level	Power (10%)
Intercept	1		8.869888	8.869888			
Model	4	0.9873	0.04034026	0.01008506	214.457	0.0000	1.0000
P	1	0.0141	0.0005772781	0.0005772781	12.276	0.0049	0.9487
M2Mg	1	0.0711	0.002905434	0.002905434	61.784	0.0000	1.0000
M1Felli	1	0.0202	0.0008238155	0.0008238155	17.518	0.0015	0.9883
M2Ca	1	0.0050	0.0002030621	0.0002030621	4.318	0.0619	0.6192
Error	11	0.0127	0.0005172863	4.702603E-05			
Total(Adjusted)	15	1.0000	0.04085754	0.002723836			

PRESS Report

Parameter	From PRESS	From Regular
	Residuals	Residuals
Sum of Squared Residuals	0.003327555	0.0005172863
Sum of Residuals	0.1452098	0.07131892
R ²	0.9186	0.9873

Normality Tests

Test	Test Statistic	Reject H0 at	
	to Test	Prob Level	20%?
Name	H0: Normal		
Shapiro Wilk	0.958	0.6184	No
Anderson Darling	0.296	0.5955	No
D'Agostino Skewness	1.213	0.2251	No
D'Agostino Kurtosis	0.693	0.4886	No
D'Agostino Omnibus	1.951	0.3770	No

Predicted Values with Prediction Limits of Individuals

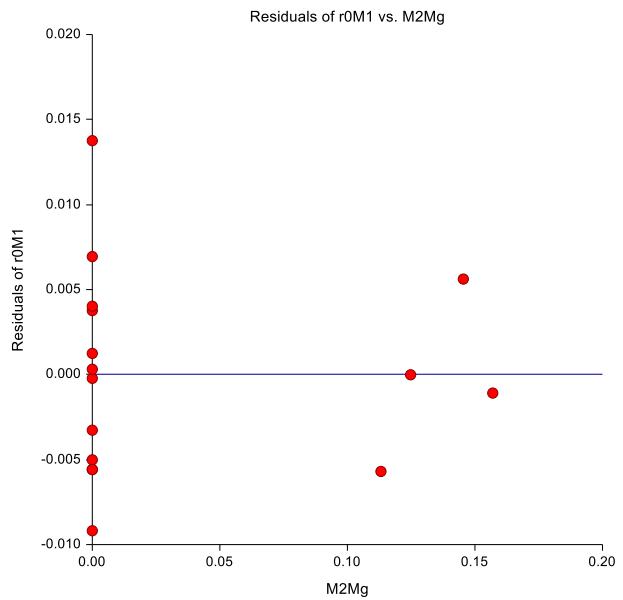
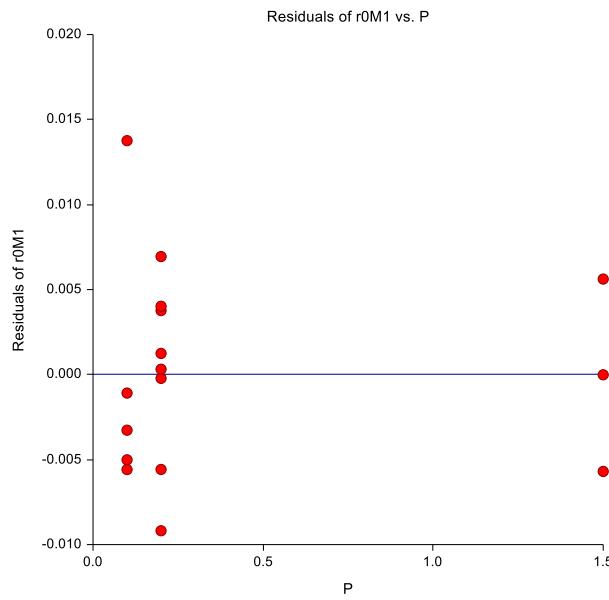
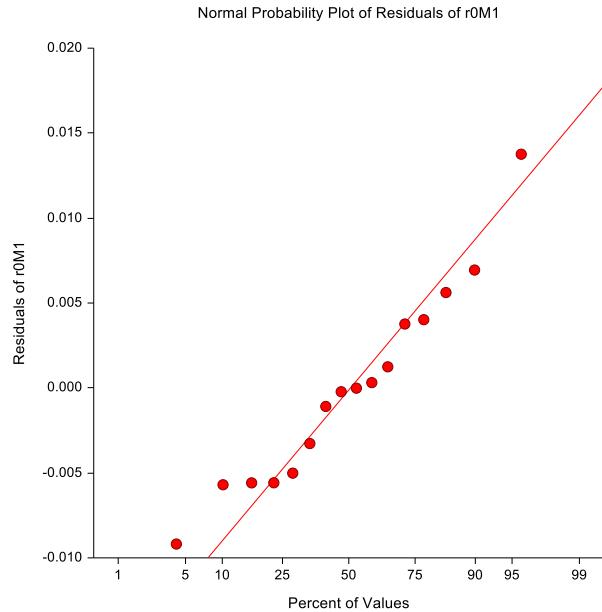
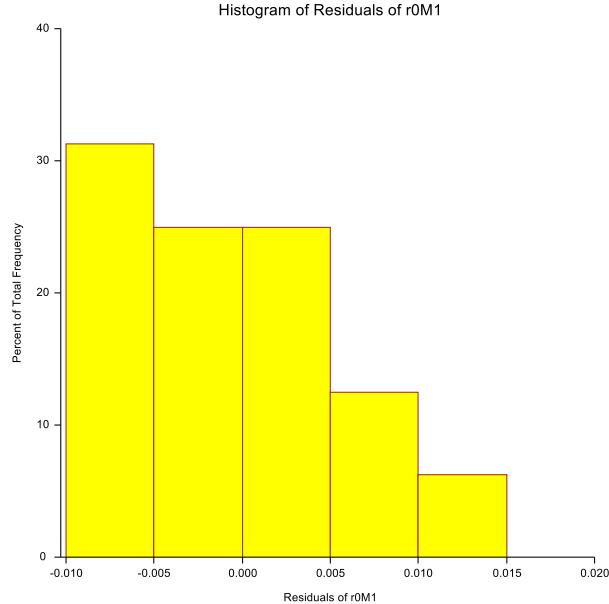
Row	Actual r0M1	Predicted r0M1	Standard Error of Predicted	95% Lower Pred. Limit of Individual	95% Upper Pred. Limit of Individual
1	0.7825638	0.7788002	0.007306398	0.7627189	0.7948815
2	0.7747549	0.7735098	0.008021909	0.7558537	0.7911659
3	0.7746348	0.7802154	0.008158621	0.7622584	0.7981724
4	0.7794318	0.7796533	0.007196485	0.763814	0.7954926
5	0.7998777	0.7929367	0.007567526	0.7762806	0.8095927
6	0.7793192	0.7752996	0.007149228	0.7595643	0.7910349
7	0.7907861	0.790472	0.008152574	0.7725284	0.8084158
8	0.7840309	0.7932174	0.007808837	0.7760302	0.8104045
9	0.7481428	0.7514138	0.007617148	0.7346486	0.7681791
10	0.7646754	0.7509171	0.007640962	0.7340995	0.7677348
11	0.7455496	0.7505644	0.007643927	0.7337402	0.7673886
12	0.7451759	0.7507627	0.007625759	0.7339785	0.7675468
13	0.66	0.6600125	0.007920924	0.6425787	0.6774464
14	0.659	0.6646976	0.007962562	0.6471722	0.6822231
15	0.657	0.6513823	0.007969423	0.6338417	0.6689229
16	0.668	0.6690882	0.009643447	0.6478631	0.6903133

Multiple Regression Subset Selection Report

Dataset C:\...\M1_MultipleRegressionNCSS\M1_inputs_NoHiTi_NoNLS.NCSS
Dependent r0M1

Warning: At least one value was reset to 0.0 because it was less than the machine zero of 1E-10.

Plots Section



Multiple Regression Subset Selection Report

Dataset C:\...\M1_MultipleRegressionNCSS\M1_inputs_NoHiTi_NoNLS.NCSS

Dependent r0M1

Warning: At least one value was reset to 0.0 because it was less than the machine zero of 1E-10.

