

**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: Y1**

Number of Observations Read	30
Number of Observations Used	30

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	1.41711	0.17714	1.17	0.3603
Error	21	3.17256	0.15107		
Corrected Total	29	4.58967			

Root MSE	0.38868	R-Square	0.3088
Dependent Mean	0.26333	Adj R-Sq	0.0454
Coeff Var	147.60102		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	-4.14039	4.78081	-0.87	0.3963
X1	1	1.10259	0.78372	1.41	0.1741
X2	1	0.23074	0.59447	0.39	0.7018
X3	1	1.17138	0.72314	1.62	0.1202
X4	1	0.11145	0.06278	1.78	0.0904
X5	1	0.61679	0.38692	1.59	0.1259
X6	1	0.26683	0.38342	0.70	0.4941
X7	1	-0.26258	0.20081	-1.31	0.2052
X8	1	-0.00432	0.00398	-1.09	0.2901

**The REG Procedure**  
**Model: MODEL1**  
**Dependent Variable: Y2**

Number of Observations Read	30
Number of Observations Used	30

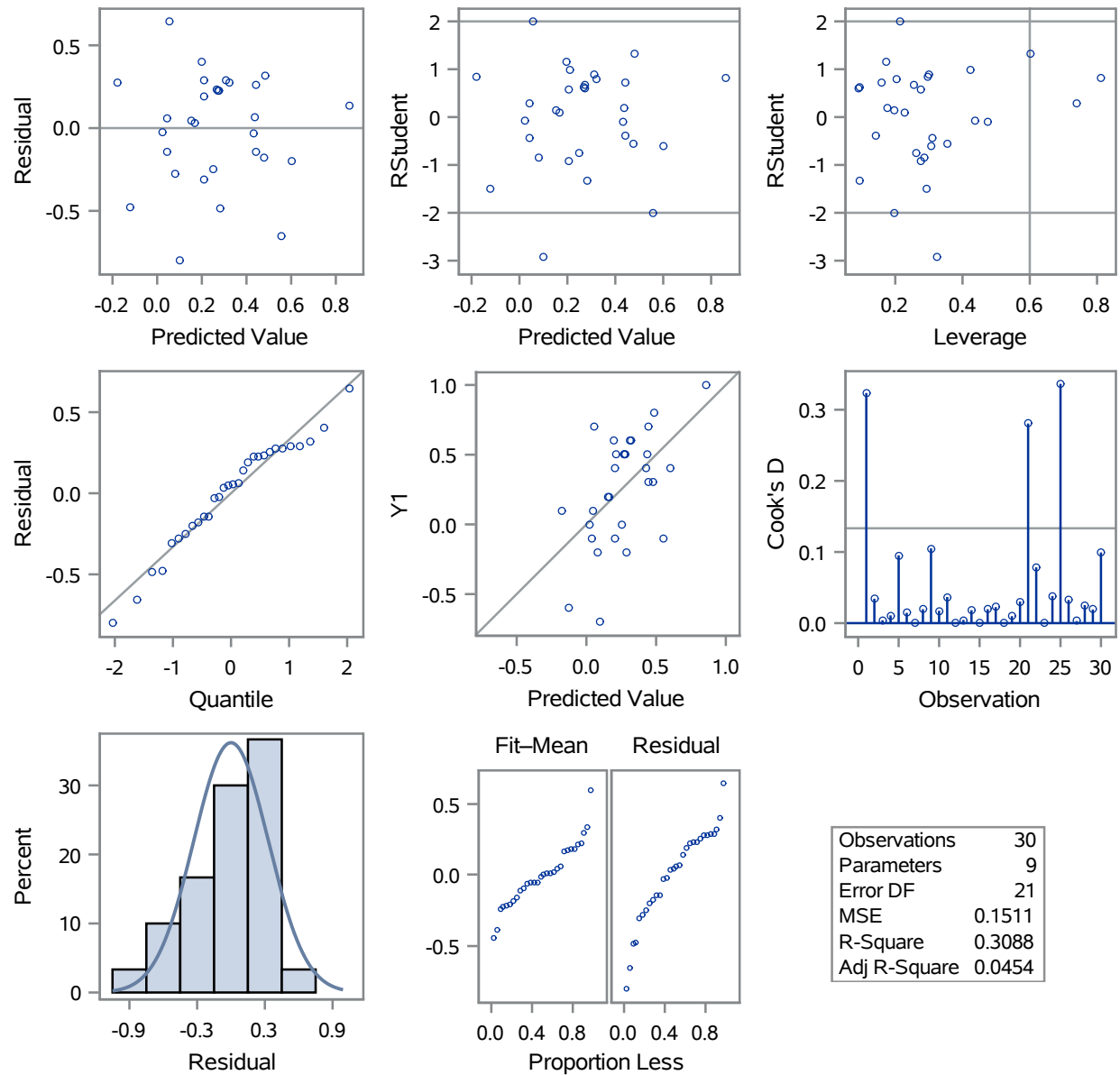
Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	8	1.40951	0.17619	0.89	0.5440
Error	21	4.17349	0.19874		
Corrected Total	29	5.58300			

Root MSE	0.44580	R-Square	0.2525
Dependent Mean	0.07000	Adj R-Sq	-0.0323
Coeff Var	636.85715		

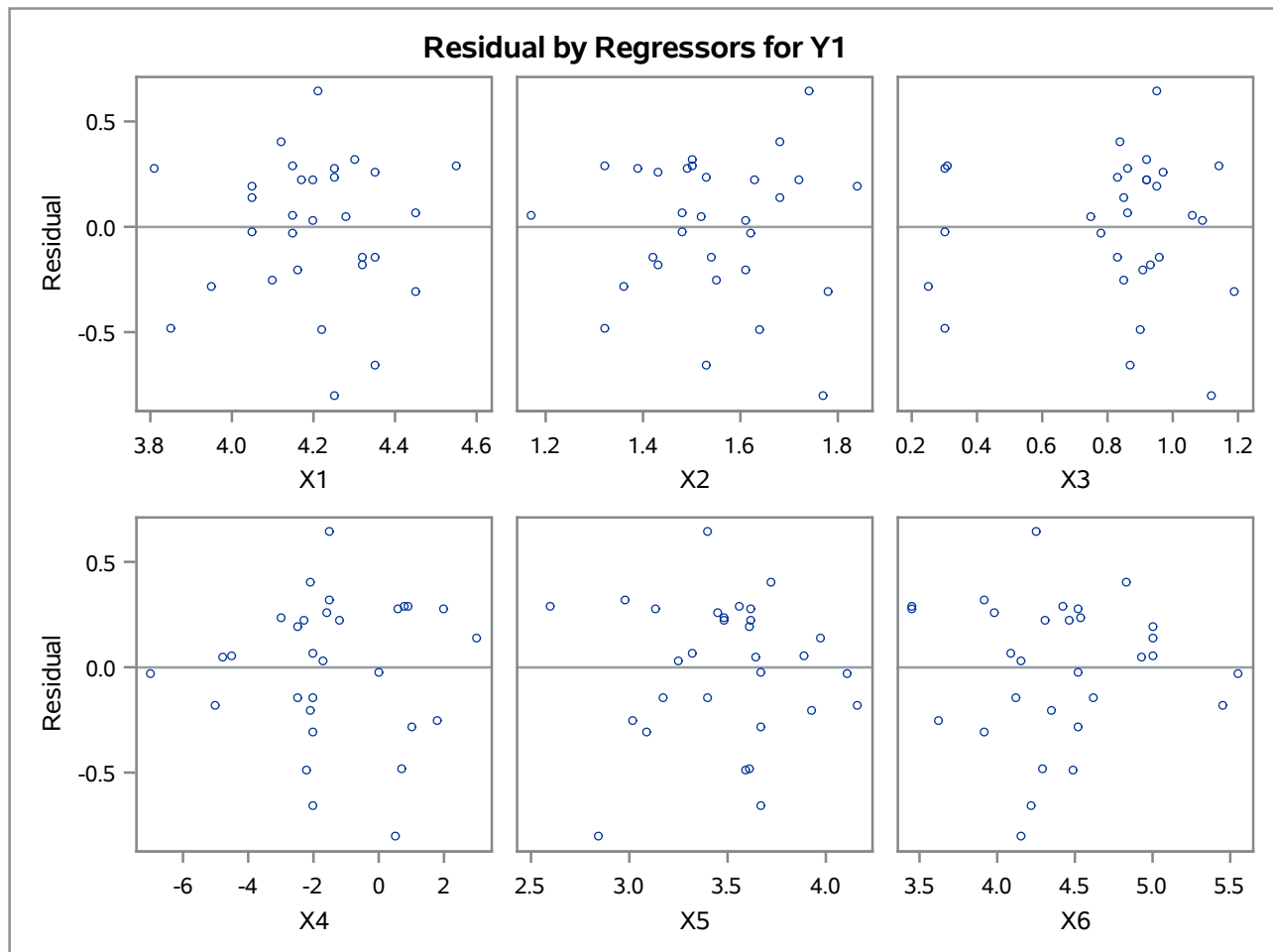
Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr >  t
Intercept	1	4.93526	5.48336	0.90	0.3783
X1	1	-0.95500	0.89888	-1.06	0.3001
X2	1	-0.22174	0.68183	-0.33	0.7482
X3	1	1.77275	0.82941	2.14	0.0445
X4	1	0.04793	0.07201	0.67	0.5129
X5	1	-0.05787	0.44378	-0.13	0.8975
X6	1	0.48537	0.43976	1.10	0.2822
X7	1	-0.20928	0.23032	-0.91	0.3739
X8	1	-0.00407	0.00456	-0.89	0.3824

The REG Procedure  
Model: MODEL1  
Dependent Variable: Y1

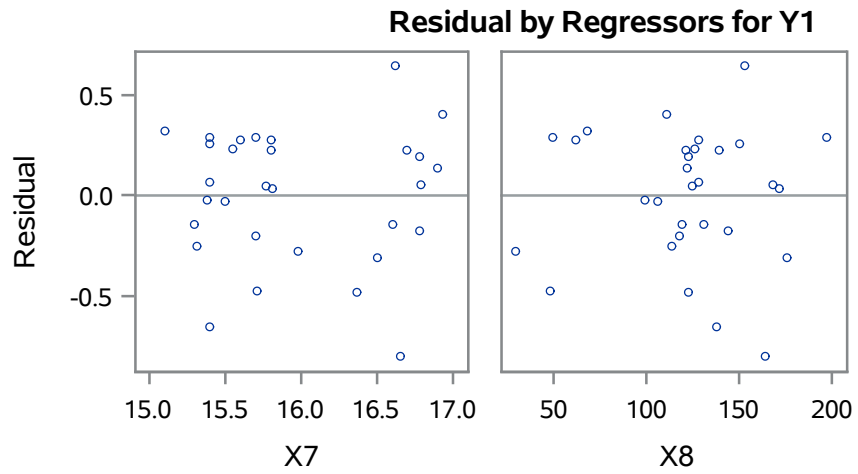
Fit Diagnostics for Y1



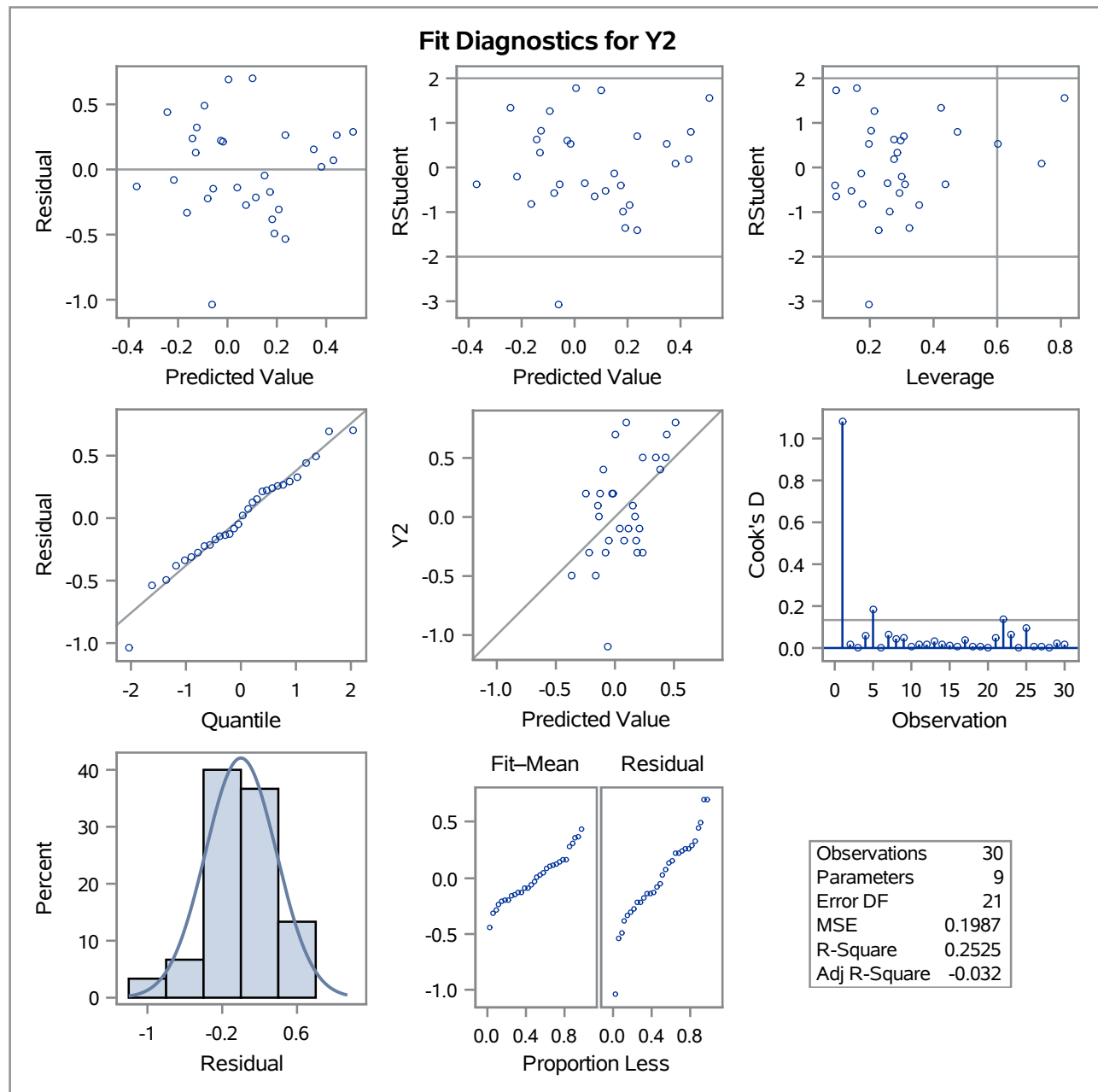
The REG Procedure  
Model: MODEL1  
Dependent Variable: Y1



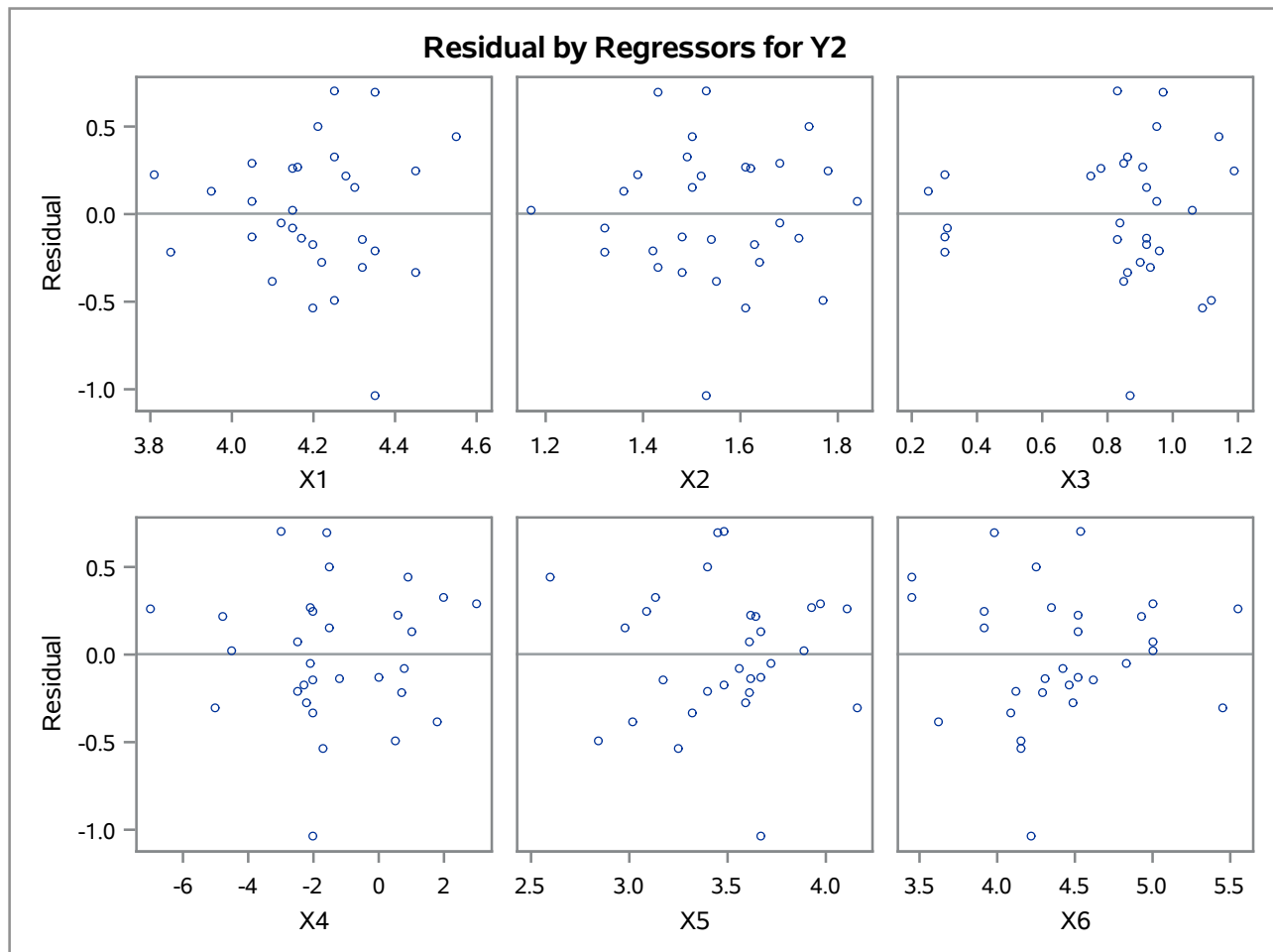
The REG Procedure  
Model: MODEL1  
Dependent Variable: Y1



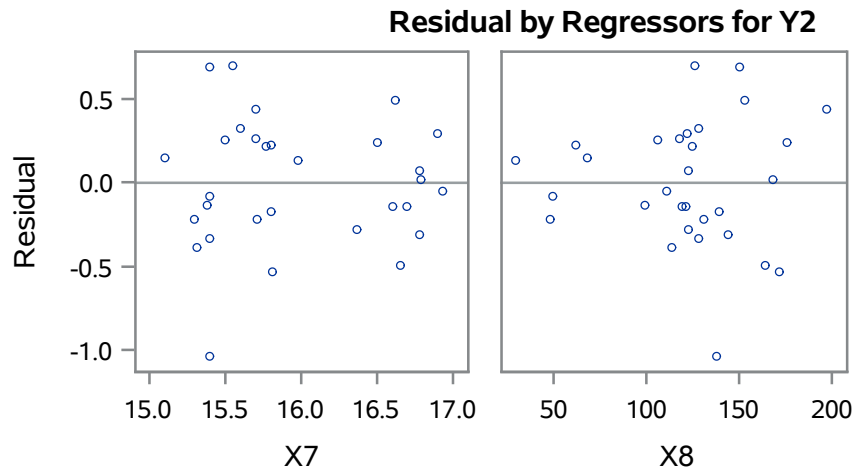
The REG Procedure  
Model: MODEL1  
Dependent Variable: Y2



The REG Procedure  
Model: MODEL1  
Dependent Variable: Y2



The REG Procedure  
Model: MODEL1  
Dependent Variable: Y2





**The REG Procedure**  
**Model: MODEL1**  
**Multivariate Test: OVERALL**

Error Matrix (E)	
3.1725587246	2.2483661643
2.2483661643	4.173490596

Hypothesis Matrix (H)	
1.417107942	0.5786338357
0.5786338357	1.409509404

	Canonical Correlation	Adjusted Canonical Correlation	Approximate Standard Error	Squared Canonical Correlation	Eigenvalues of Inv(E)*H = CanRsq/(1-CanRsq)			
					Eigenvalue	Difference	Proportion	Cumulative
1	0.620790	0.454318	0.114132	0.385380	0.6270	0.3031	0.6594	0.6594
2	0.494650	0.399406	0.140260	0.244678	0.3239		0.3406	1.0000

Test of H0: The canonical correlations in the current row and all that follow are zero					
	Likelihood Ratio	Approximate F Value	Num DF	Den DF	Pr > F
1	0.46423605	1.17	16	40	0.3321
2	0.75532164	0.97	7	21	0.4766

Multivariate Statistics		
S=2 M=2.5 N=9		
Statistic	Value	P-Value
Wilks' Lambda	0.46423605	0.3321
Pillai's Trace	0.63005801	0.2973
Hotelling-Lawley Trace	0.95095995	0.3598
Roy's Greatest Root	0.62702065	0.4543

**The REG Procedure**  
**Model: MODEL1**  
**Multivariate Test: PARTIAL\_X7\_X8**

Error Matrix (E)	
3.1725587246	2.2483661643
2.2483661643	4.173490596

Hypothesis Matrix (H)	
0.5165001532	0.4433479905
0.4433479905	0.3825011352

	Canonical Correlation	Adjusted Canonical Correlation	Approximate Standard Error	Squared Canonical Correlation	Eigenvalues of Inv(E)*H = CanRsq/(1-CanRsq)			
					Eigenvalue	Difference	Proportion	Cumulative
1	0.378587	0.286820	0.178629	0.143328	0.1673	0.1666	0.9956	0.9956
2	0.027072	.	0.208362	0.000733	0.0007		0.0044	1.0000

Test of H0: The canonical correlations in the current row and all that follow are zero					
	Likelihood Ratio	Approximate F Value	Num DF	Den DF	Pr > F
1	0.85604439	0.81	4	40	0.5274
2	0.99926709	0.02	1	21	0.9024

Multivariate Statistics		
S=2 M=-0.5 N=9		
Statistic	Value	P-Value
Wilks' Lambda	0.85604439	0.5274
Pillai's Trace	0.14406066	0.5316
Hotelling-Lawley Trace	0.16804101	0.5213
Roy's Greatest Root	0.16730756	0.4651

**The REG Procedure**  
**Model: MODEL1**  
**Multivariate Test: PARTIAL\_X4\_X5\_X6**

Error Matrix (E)	
3.1725587246	2.2483661643
2.2483661643	4.173490596

Hypothesis Matrix (H)	
0.9774657385	0.3758022424
0.3758022424	0.4143043703

	Canonical Correlation	Adjusted Canonical Correlation	Approximate Standard Error	Squared Canonical Correlation	Eigenvalues of Inv(E)*H = CanRsq/(1-CanRsq)			
					Eigenvalue	Difference	Proportion	Cumulative
1	0.516577	0.416761	0.149653	0.266852	0.3640	0.2755	0.8044	0.8044
2	0.285173	0.266653	0.187524	0.081324	0.0885		0.1956	1.0000

Test of H0: The canonical correlations in the current row and all that follow are zero					
	Likelihood Ratio	Approximate F Value	Num DF	Den DF	Pr > F
1	0.67352570	1.46	6	40	0.2178
2	0.91867645	0.93	2	21	0.4104

Multivariate Statistics		
S=2 M=0 N=9		
Statistic	Value	P-Value
Wilks' Lambda	0.67352570	0.2178
Pillai's Trace	0.34817566	0.2034
Hotelling-Lawley Trace	0.45250380	0.2264
Roy's Greatest Root	0.36398128	0.2529

**The REG Procedure**  
**Model: MODEL1**  
**Multivariate Test: PARTIAL\_X1\_X2\_X3**

Error Matrix (E)	
3.1725587246	2.2483661643
2.2483661643	4.173490596

Hypothesis Matrix (H)	
1.0505812926	0.5054338805
0.5054338805	1.0273346775

	Canonical Correlation	Adjusted Canonical Correlation	Approximate Standard Error	Squared Canonical Correlation	Eigenvalues of Inv(E)*H = CanRsq/(1-CanRsq)			
					Eigenvalue	Difference	Proportion	Cumulative
1	0.540038	0.386148	0.144593	0.291641	0.4117	0.1673	0.6275	0.6275
2	0.443211	.	0.164027	0.196436	0.2445		0.3725	1.0000

Test of H0: The canonical correlations in the current row and all that follow are zero					
	Likelihood Ratio	Approximate F Value	Num DF	Den DF	Pr > F
1	0.56921187	2.17	6	40	0.0663
2	0.80356412	2.57	2	21	0.1006

Multivariate Statistics		
S=2 M=0 N=9		
Statistic	Value	P-Value
Wilks' Lambda	0.56921187	0.0663
Pillai's Trace	0.48807689	0.0495
Hotelling-Lawley Trace	0.65616933	0.0836
Roy's Greatest Root	0.41171357	0.1955