The SAS System

The MEANS Procedure

Variable	N	Mean	Std Dev	Minimum	Maximum
voteA	173	50.5028902	16.7847606	16.0000000	84.0000000
expendA	173	310.6110983	280.9857394	0.3000000	1470.67
expendB	173	305.0884393	306.2780084	0.9300000	1548.19
prtystrA	173	49.7572254	9.9836504	22.0000000	71.0000000
lexpendA	173	5.0254505	1.6019546	-1.2039728	7.2934734
lexpendB	173	4.9444029	1.5710674	-0.0725707	7.3448418
eA	173	310611.10	280985.74	300.0000000	1470670.00
eB	173	305088.44	306278.01	930.0000000	1548190.00
leA	173	11.9332057	1.6019546	5.7037825	14.2012286
leB	173	11.8521582	1.5710674	6.8351846	14.2525971
diff	173	-0.0810475	2.2714099	-5.2833129	6.9685995

The SAS System

The REG Procedure
Model: MODEL1
Dependent Variable: voteA

Number of Observations Read	173
Number of Observations Used	173

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	27556	9185.20651	74.27	<.0001
Error	169	20902	123.67828		
Corrected Total	172	48457			

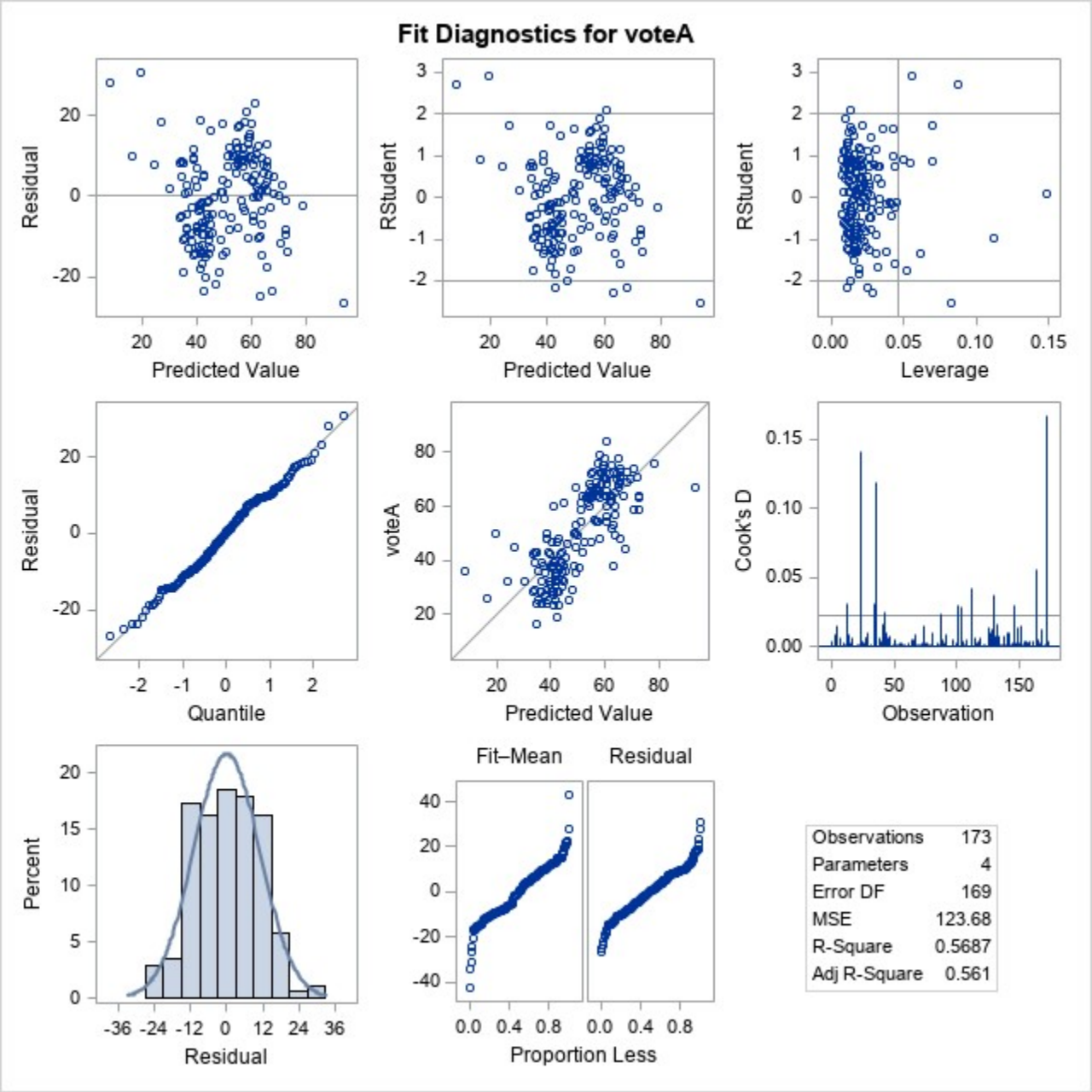
Root MSE	11.12107	R-Square	0.5687
Dependent Mean	50.50289	Adj R-Sq	0.5610
Coeff Var	22.02067		

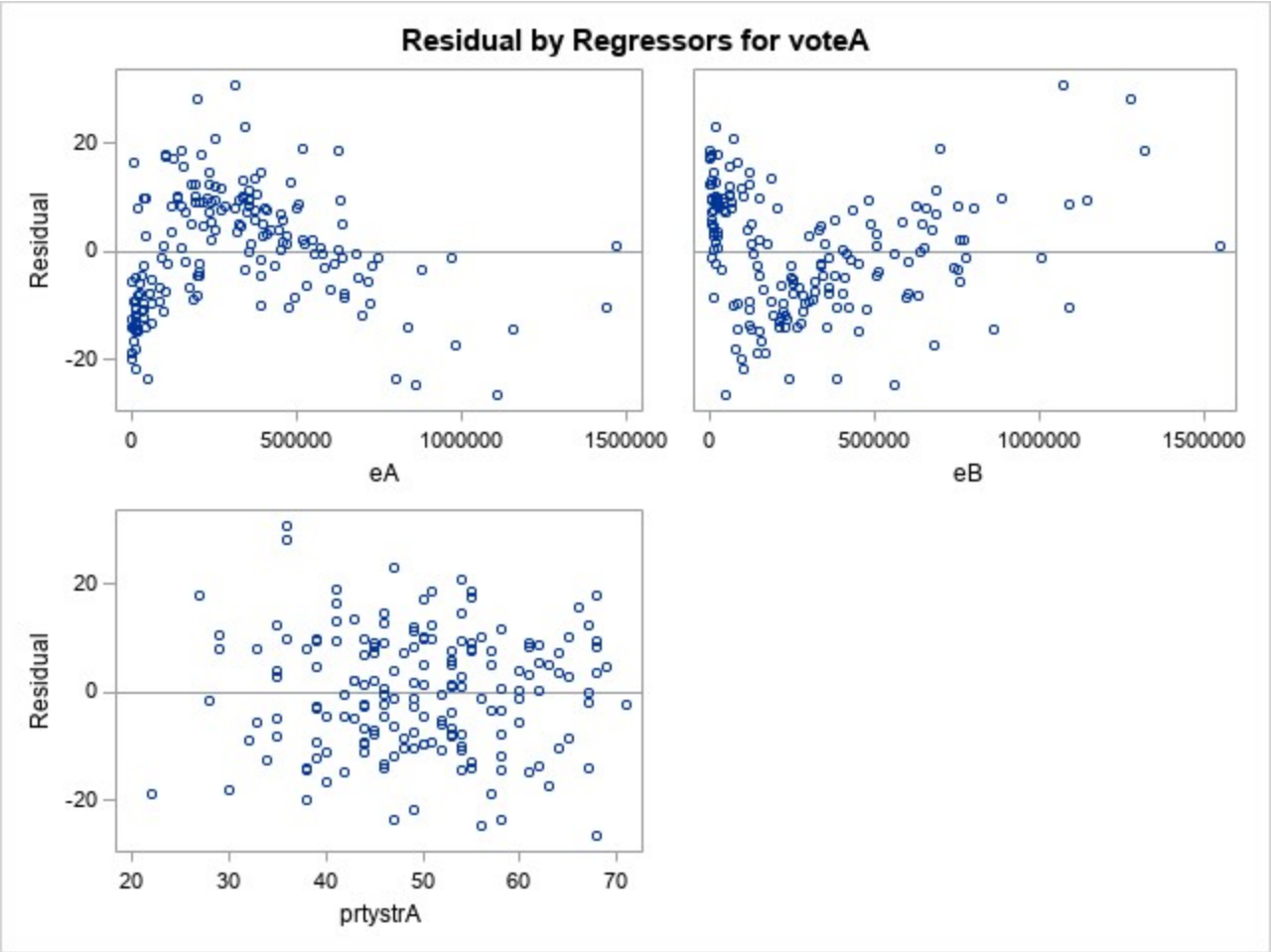
Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	33.26712	4.41678	7.53	<.0001
eA	1	0.00003492	0.00000337	10.36	<.0001
eB	1	-0.00003492	0.00000300	-11.64	<.0001
prtystrA	1	0.34252	0.08795	3.89	0.0001

The SAS System

The REG Procedure
Model: MODEL1
Dependent Variable: voteA




Residual by Regressors for voteA
Residual
20
0
-20
0
500000
1000000
1500000
eA
eB
prtystrA
20
30
40
50
60
70

The SAS System

The REG Procedure
Model: MODEL1
Dependent Variable: voteA

Number of Observations Read	173
Number of Observations Used	173

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	38402	12801	215.15	<.0001
Error	169	10055	59.49603		
Corrected Total	172	48457			

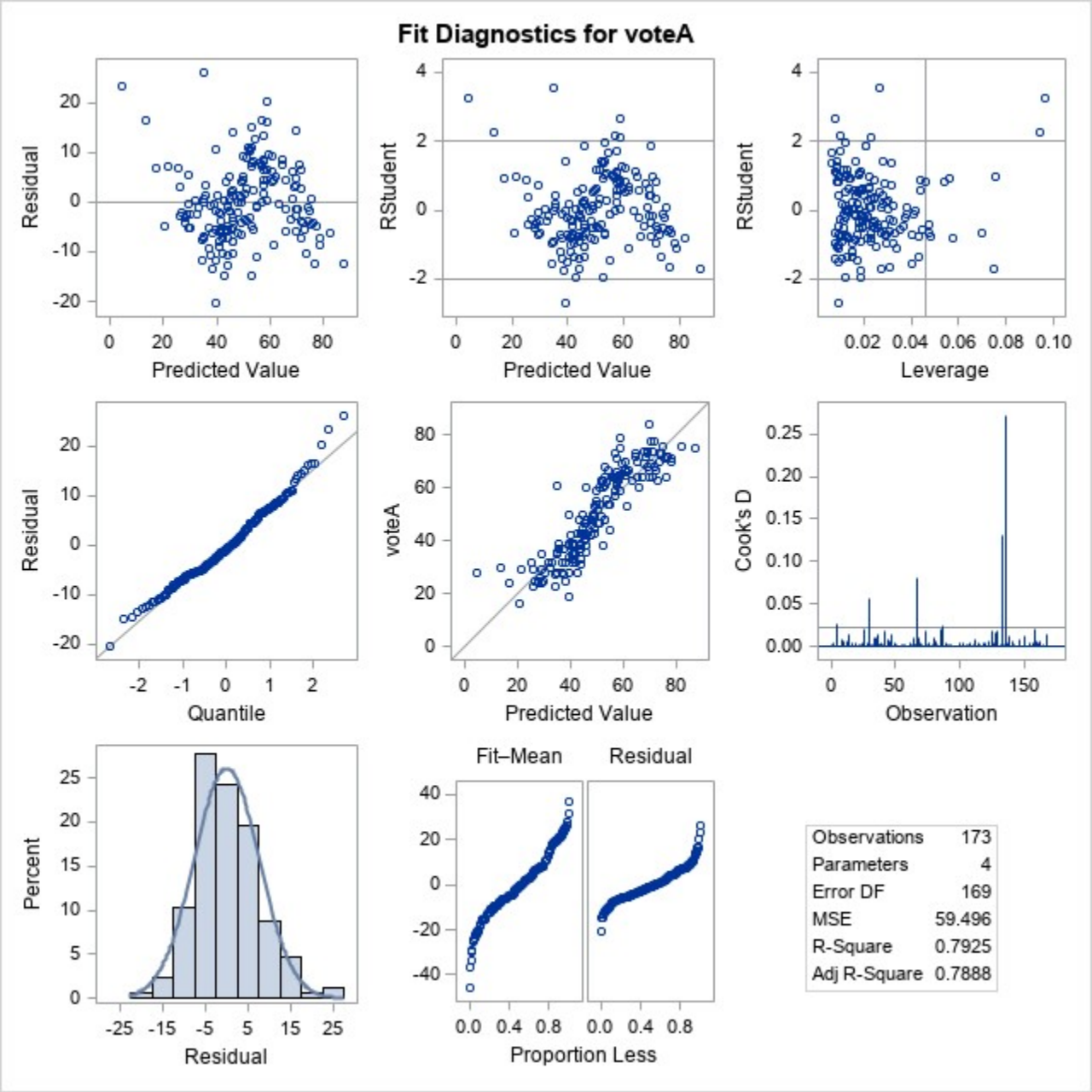
Root MSE	7.71337	R-Square	0.7925
Dependent Mean	50.50289	Adj R-Sq	0.7888
Coeff Var	15.27312		

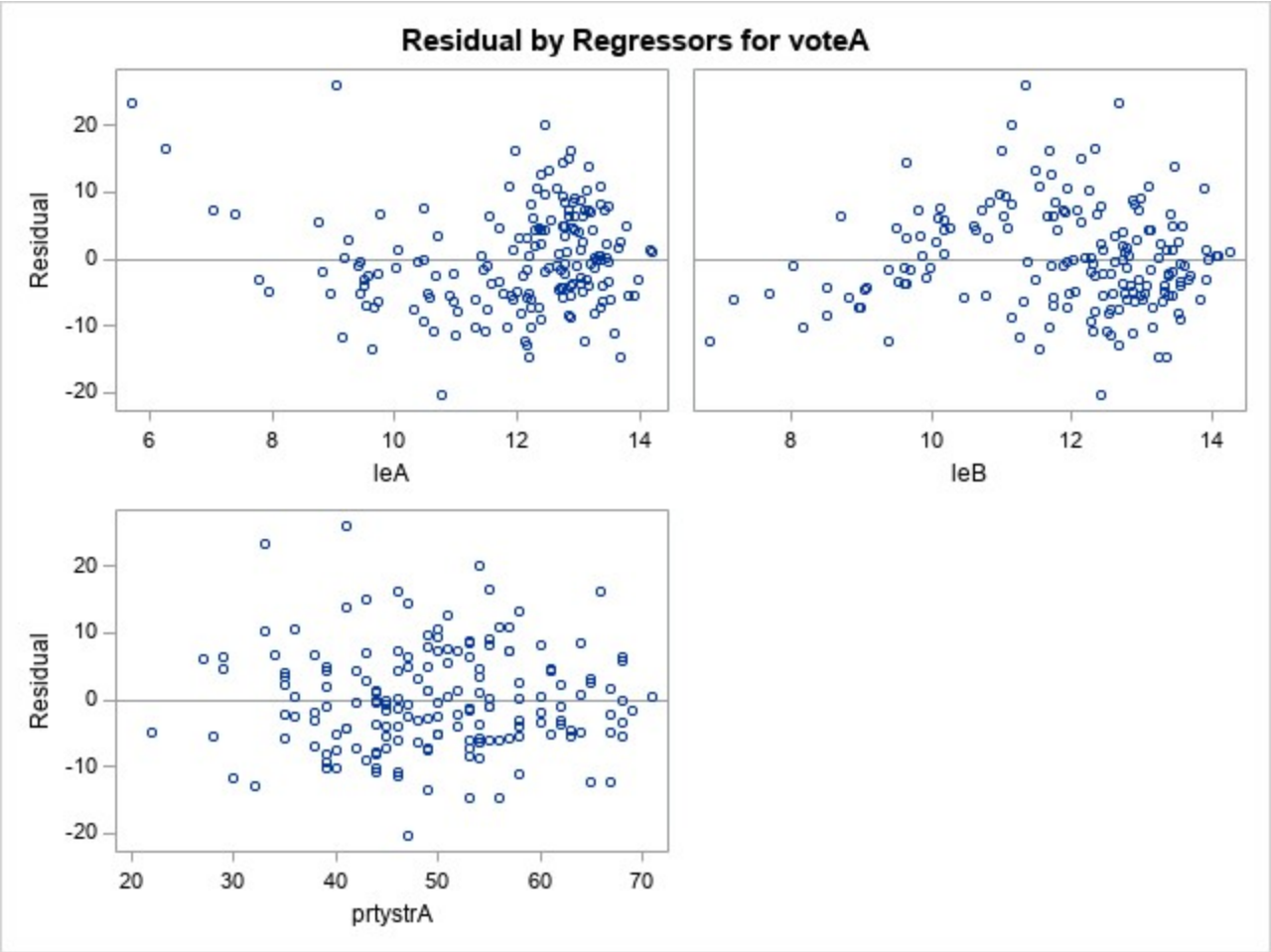
Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	48.77852	6.82027	7.15	<.0001
leA	1	6.08136	0.38211	15.92	<.0001
leB	1	-6.61563	0.37889	-17.46	<.0001
prtystrA	1	0.15201	0.06203	2.45	0.0153

The SAS System

The REG Procedure
Model: MODEL1
Dependent Variable: voteA




Residual by Regressors for voteA
Residual
20
10
0
-10
-20
6
8
10
12
14
leA
8
10
12
14
leB
Residual
20
10
0
-10
-20
20
30
40
50
60
70
prtystrA

The SAS System

The REG Procedure
Model: MODEL1

Test 1 Results for Dependent Variable voteA				
Source	DF	Mean Square	F Value	Pr > F
Numerator	1	59.75561	1.00	0.3177
Denominator	169	59.49603		

The SAS System

The REG Procedure
Model: MODEL1
Dependent Variable: voteA

Number of Observations Read	173
Number of Observations Used	173

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	38402	12801	215.15	<.0001
Error	169	10055	59.49603		
Corrected Total	172	48457			

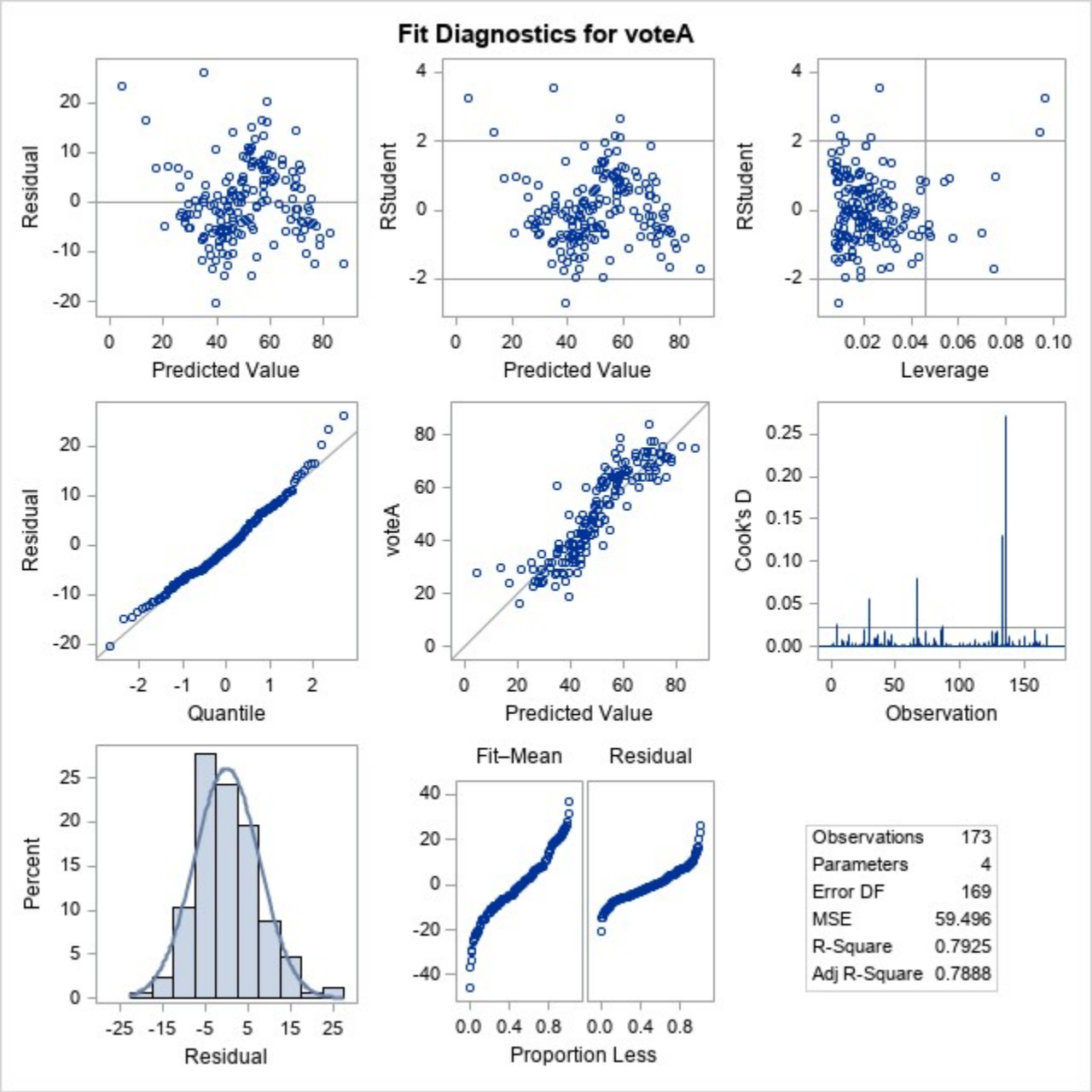
Root MSE	7.71337	R-Square	0.7925
Dependent Mean	50.50289	Adj R-Sq	0.7888
Coeff Var	15.27312		

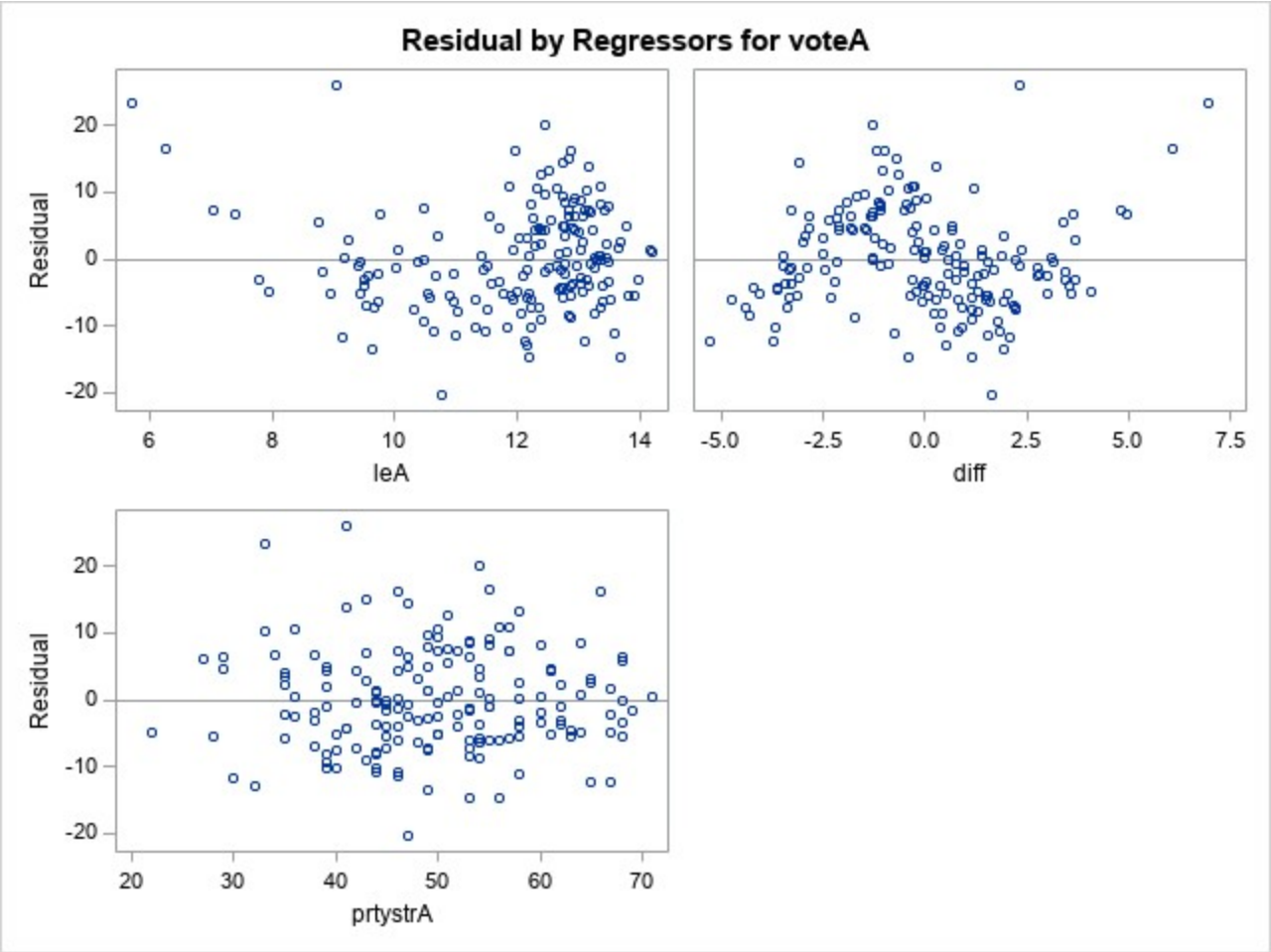
Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	48.77852	6.82027	7.15	<.0001
leA	1	-0.53428	0.53311	-1.00	0.3177
diff	1	-6.61563	0.37889	-17.46	<.0001
prtystrA	1	0.15201	0.06203	2.45	0.0153

The SAS System

The REG Procedure
Model: MODEL1
Dependent Variable: voteA




Residual by Regressors for voteA
Residual
20
10
0
-10
-20
6
8
10
12
14
leA
-5.0
-2.5
0.0
2.5
5.0
7.5
diff
Residual
20
10
0
-10
-20
20
30
40
50
60
70
prtystrA