

## 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

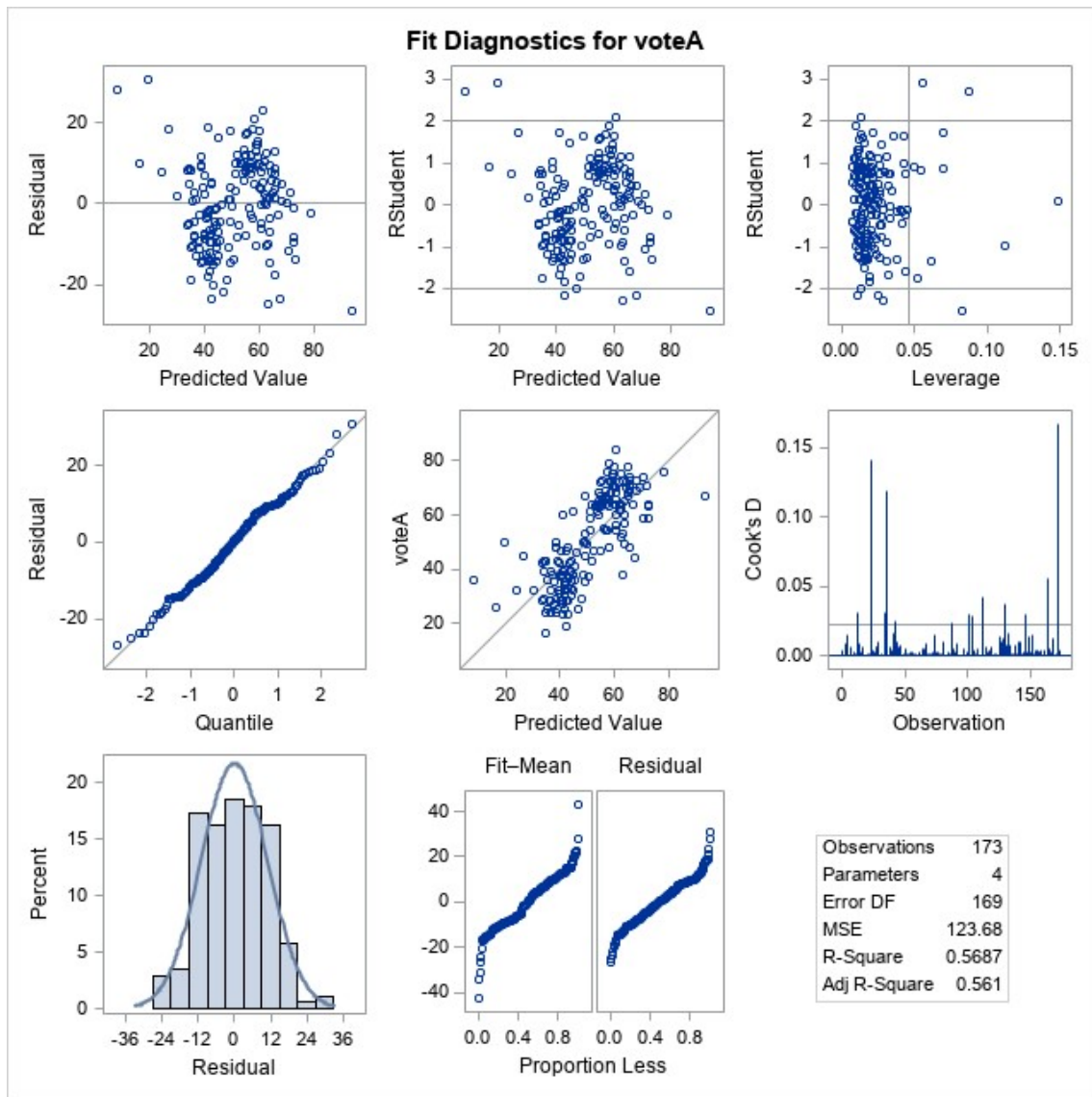
Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	27556	9185.20651	74.27	<.0001
Error	169	20902	123.67828		
Corrected Total	172	48457			

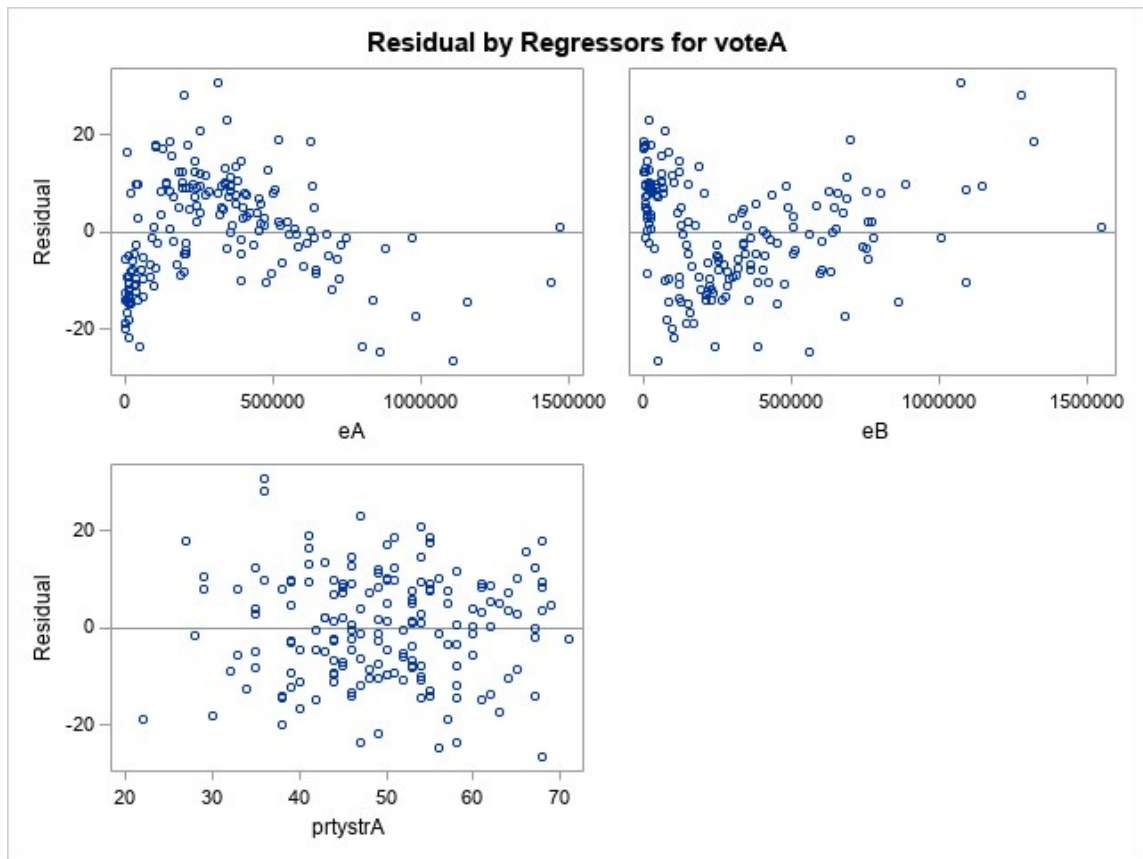
Root MSE	11.12107	R-Square	0.5687
Dependent Mean	50.50289	Adj R-Sq	0.5610
Coeff Var	22.02067		

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





### The SAS System

Obs	voteA	expendA	expendB	prtystrA	lexpendA	lexpendB	eA	eB	leA	leB	diff
1	68	328.30	8.74	41	5.79393	2.16791	328300	8740	12.7017	9.0757	-3.62602
2	62	626.38	402.48	60	6.43996	5.99765	626380	402480	13.3477	12.9054	-0.44231
3	73	99.61	3.07	55	4.60126	1.12168	99610	3070	11.5090	8.0294	-3.47958
4	69	319.69	26.28	64	5.76735	3.26881	319690	26280	12.6751	10.1766	-2.49854
5	75	159.22	60.05	66	5.07029	4.09518	159220	60050	11.9780	11.0029	-0.97511
6	69	570.16	21.39	46	6.34592	3.06292	570160	21390	13.2537	9.9707	-3.28299
7	59	696.75	193.91	58	6.54643	5.26739	696750	193910	13.4542	12.1751	-1.27903
8	71	638.69	7.70	49	6.45942	2.04122	638690	7700	13.3672	8.9490	-4.41820
9	76	616.94	19.25	71	6.42477	2.95751	616940	19250	13.3325	9.8653	-3.46726
10	73	351.69	50.53	64	5.86275	3.92257	351690	50530	12.7705	10.8303	-1.94018
11	68	269.89	14.71	53	5.59801	2.68853	269890	14710	12.5058	9.5963	-2.90949
12	71	269.51	95.57	58	5.59661	4.55986	269510	95570	12.5044	11.4676	-1.03675
13	52	1440.64	1089.57	49	7.27284	6.99354	1440640	1089570	14.1806	13.9013	-0.27930
14	79	252.34	69.56	54	5.53078	4.24219	252340	69560	12.4385	11.1499	-1.28859
15	50	1470.67	1548.19	54	7.29347	7.34484	1470670	1548190	14.2012	14.2526	0.05137
16	64	140.49	100.96	56	4.94514	4.61472	140490	100960	11.8529	11.5225	-0.33041
17	72	191.33	15.45	65	5.25400	2.73761	191330	15450	12.1618	9.6454	-2.51639
18	68	398.60	15.24	54	5.98796	2.72392	398600	15240	12.8957	9.6317	-3.26403
19	60	460.62	382.11	53	6.13257	5.94571	460620	382110	13.0403	12.8535	-0.18686
20	67	457.41	20.61	49	6.12558	3.02578	457410	20610	13.0333	9.9335	-3.09980
21	63	227.10	149.89	50	5.42539	5.00990	227100	149890	12.3331	11.9177	-0.41549
22	54	532.90	218.70	47	6.27833	5.38770	532900	218700	13.1861	12.2955	-0.89063
23	64	122.84	13.56	68	4.81088	2.60712	122840	13560	11.7186	9.5149	-2.20376
24	67	1110.13	47.75	68	7.01223	3.86598	1110130	47750	13.9200	10.7737	-3.14625
25	64	494.49	11.89	65	6.20353	2.47570	494490	11890	13.1113	9.3835	-3.72783
26	70	217.50	26.04	61	5.38220	3.25963	217500	26040	12.2900	10.1674	-2.12257
27	63	721.65	85.10	50	6.58154	4.44383	721650	85100	13.4893	11.3516	-2.13771
28	78	482.79	17.94	46	6.17958	2.88703	482790	17940	13.0873	9.7948	-3.29255
29	75	183.23	0.93	67	5.21074	-0.07257	183230	930	12.1185	6.8352	-5.28331
30	63	636.20	489.30	57	6.45551	6.19298	636200	489300	13.3633	13.1007	-0.26254
31	64	727.92	246.90	49	6.59019	5.50898	727920	246900	13.4979	12.4167	-1.08121
32	72	372.68	44.41	57	5.92072	3.79346	372680	44410	12.8285	10.7012	-2.12726
33	66	399.37	128.85	53	5.98989	4.85865	399370	128850	12.8976	11.7664	-1.13124
34	68	371.75	184.71	43	5.91822	5.21879	371750	184710	12.8260	12.1265	-0.69943
35	67	210.94	23.91	27	5.35157	3.17430	210940	23910	12.2593	10.0821	-2.17728
36	50	313.42	1069.70	36	5.74754	6.97513	313420	1069700	12.6553	13.8829	1.22759

37	54	408.29	503.65	61	6.01198	6.22188	408290	503650	12.9197	13.1296	0.20990
38	55	971.88	777.99	47	6.87923	6.65671	971880	777990	13.7870	13.5645	-0.22252
39	72	337.60	4.91	41	5.82186	1.59127	337600	4910	12.7296	8.4990	-4.23059
40	67	337.05	40.46	39	5.82023	3.70031	337050	40460	12.7280	10.6081	-2.11992
41	60	516.74	696.30	41	6.24754	6.54578	516740	696300	13.1553	13.4535	0.29824
42	78	101.54	6.05	68	4.62045	1.80006	101540	6050	11.5282	8.7078	-2.82039
43	59	838.71	358.35	67	6.73186	5.88151	838710	358350	13.6396	12.7893	-0.85035
44	65	382.28	60.69	29	5.94615	4.10578	382280	60690	12.8539	11.0135	-1.84037
45	63	405.04	64.40	29	6.00399	4.16511	405040	64400	12.9117	11.0729	-1.83887
46	64	193.12	6.76	35	5.26331	1.91102	193120	6760	12.1711	8.8188	-3.35229
47	63	502.08	206.96	33	6.21876	5.33253	502080	206960	13.1265	12.2403	-0.88623
48	50	359.94	348.34	44	5.88594	5.85318	359940	348340	12.7937	12.7609	-0.03276
49	61	165.14	48.94	48	5.10679	3.89060	165140	48940	12.0145	10.7984	-1.21620
50	74	281.23	26.56	68	5.63917	3.27941	281230	26560	12.5469	10.1872	-2.35977
51	66	122.90	28.32	61	4.81137	3.34357	122900	28320	11.7191	10.2513	-1.46780
52	65	239.16	41.26	46	5.47713	3.71989	239160	41260	12.3849	10.6276	-1.75724
53	65	471.23	124.13	53	6.15535	4.82133	471230	124130	13.0631	11.7291	-1.33402
54	64	193.21	16.24	45	5.26378	2.78748	193210	16240	12.1715	9.6952	-2.47630
55	69	251.63	57.71	49	5.52796	4.05543	251630	57710	12.4357	10.9632	-1.47253
56	53	394.41	69.49	54	5.97739	4.24118	394410	69490	12.8851	11.1489	-1.73621
57	53	444.42	332.88	35	6.09677	5.80778	444420	332880	13.0045	12.7155	-0.28899
58	56	689.09	244.99	35	6.53537	5.50122	689090	244990	13.4431	12.4090	-1.03415
59	73	333.72	11.74	69	5.81030	2.46300	333720	11740	12.7181	9.3708	-3.34730
60	62	551.48	130.24	42	6.31261	4.86938	551480	130240	13.2204	11.7771	-1.44323
61	61	35.79	24.92	51	3.57767	3.21567	35790	24920	10.4854	10.1234	-0.36200
62	64	420.73	115.70	47	6.04199	4.75100	420730	115700	12.9497	11.6588	-1.29099
63	64	523.11	175.95	50	6.25979	5.17020	523110	175950	13.1675	12.0780	-1.08959
64	73	388.87	119.26	46	5.96325	4.78131	388870	119260	12.8710	11.6891	-1.18194
65	74	234.58	13.48	54	5.45780	2.60121	234580	13480	12.3656	9.5090	-2.85659
66	64	545.76	149.04	43	6.30218	5.00421	545760	149040	13.2099	11.9120	-1.29796
67	61	8.40	84.10	41	2.12823	4.43201	8400	84100	9.0360	11.3398	2.30377
68	70	371.43	4.93	53	5.91736	1.59534	371430	4930	12.8251	8.5031	-4.32202
69	74	468.87	23.64	65	6.15033	3.16294	468870	23640	13.0581	10.0707	-2.98739
70	59	411.70	432.40	55	6.02029	6.06935	411700	432400	12.9281	12.9771	0.04906
71	66	202.32	68.39	55	5.30985	4.22523	202320	68390	12.2176	11.1330	-1.08462
72	73	354.70	18.89	54	5.87127	2.93863	354700	18890	12.7790	9.8464	-2.93264
73	60	343.10	34.37	57	5.83802	3.53718	343100	34370	12.7458	10.4449	-2.30084
74	84	344.93	15.40	47	5.84334	2.73437	344930	15400	12.7511	9.6421	-3.10897
75	70	337.20	63.01	50	5.82068	4.14329	337200	63010	12.7284	11.0510	-1.67738
76											

	67	235.95	121.06	51	5.46362	4.79629	235950	121060	12.3714	11.7040	-0.66733
<b>77</b>	54	876.78	750.49	58	6.77626	6.62073	876780	750490	13.6840	13.5285	-0.15553
<b>78</b>	57	600.94	164.86	45	6.39850	5.10510	600940	164860	13.3063	12.0129	-1.29340
<b>79</b>	71	323.83	8.58	63	5.78022	2.14943	323830	8580	12.6880	9.0572	-3.63078
<b>80</b>	76	150.59	1.31	55	5.01456	0.27003	150590	1310	11.9223	7.1778	-4.74453
<b>81</b>	72	128.40	2.19	50	4.85515	0.78390	128400	2190	11.7629	7.6917	-4.07125
<b>82</b>	70	450.80	14.87	62	6.11102	2.69935	450800	14870	13.0188	9.6071	-3.41168
<b>83</b>	60	680.82	415.66	52	6.52330	6.02987	680820	415660	13.4311	12.9376	-0.49343
<b>84</b>	54	434.20	143.89	39	6.07351	4.96905	434200	143890	12.9813	11.8768	-1.10446
<b>85</b>	63	137.56	3.54	44	4.92406	1.26413	137560	3540	11.8318	8.1719	-3.65993
<b>86</b>	64	234.43	7.99	45	5.45716	2.07819	234430	7990	12.3649	8.9859	-3.37897
<b>87</b>	23	9.46	77.10	30	2.24707	4.34510	9460	77100	9.1548	11.2529	2.09803
<b>88</b>	42	152.29	623.78	49	5.02579	6.43580	152290	623780	11.9335	13.3436	1.41001
<b>89</b>	28	35.79	216.17	39	3.57767	5.37607	35790	216170	10.4854	12.2838	1.79840
<b>90</b>	28	16.92	281.45	35	2.82850	5.63995	16920	281450	9.7363	12.5477	2.81146
<b>91</b>	35	100.94	320.22	49	4.61453	5.76901	100940	320220	11.5223	12.6768	1.15448
<b>92</b>	25	7.74	157.80	40	2.04640	5.06133	7740	157800	8.9542	11.9691	3.01493
<b>93</b>	37	202.52	512.21	53	5.31084	6.23873	202520	512210	12.2186	13.1465	0.92790
<b>94</b>	41	198.62	341.34	50	5.29139	5.83288	198620	341340	12.1991	12.7406	0.54149
<b>95</b>	47	215.06	338.12	39	5.37092	5.82340	215060	338120	12.2787	12.7312	0.45248
<b>96</b>	42	516.24	768.79	45	6.24657	6.64482	516240	768790	13.1543	13.5526	0.39825
<b>97</b>	32	9.56	210.84	55	2.25759	5.35110	9560	210840	9.1653	12.2589	3.09351
<b>98</b>	39	58.20	250.28	52	4.06389	5.52258	58200	250280	10.9716	12.4303	1.45869
<b>99</b>	45	394.10	380.93	46	5.97660	5.94262	394100	380930	12.8844	12.8504	-0.03399
<b>100</b>	33	96.28	221.53	44	4.56726	5.40056	96280	221530	11.4750	12.3083	0.83330
<b>101</b>	49	1158.29	858.76	58	7.05470	6.75549	1158290	858760	13.9625	13.6632	-0.29921
<b>102</b>	36	147.89	652.20	58	4.99647	6.48035	147890	652200	11.9042	13.3881	1.48388
<b>103</b>	48	981.86	678.65	63	6.88945	6.52011	981860	678650	13.7972	13.4279	-0.36934
<b>104</b>	34	53.96	252.82	45	3.98824	5.53268	53960	252820	10.8960	12.4404	1.54443
<b>105</b>	38	38.92	123.63	54	3.66151	4.81729	38920	123630	10.5693	11.7250	1.15578
<b>106</b>	32	57.26	403.06	54	4.04760	5.99909	57260	403060	10.9554	12.9068	1.95148
<b>107</b>	49	576.68	559.13	46	6.35729	6.32638	576680	559130	13.2650	13.2341	-0.03091
<b>108</b>	27	41.67	267.63	46	3.72978	5.58961	41670	267630	10.6375	12.4974	1.85982
<b>109</b>	43	90.89	364.09	60	4.50965	5.89740	90890	364090	11.4174	12.8052	1.38775
<b>110</b>	35	35.63	337.79	44	3.57319	5.82242	35630	337790	10.4809	12.7302	2.24924
<b>111</b>	39	162.16	602.94	67	5.08858	6.40182	162160	602940	11.9963	13.3096	1.31323
<b>112</b>	16	2.85	170.57	22	1.04732	5.13915	2850	170570	7.9551	12.0469	4.09183
<b>113</b>	29	10.43	411.06	43	2.34469	6.01874	10430	411060	9.2524	12.9265	3.67405
<b>114</b>	38	174.79	273.51	44	5.16359	5.61134	174790	273510	12.0713	12.5191	0.44775
<b>115</b>											

	28	15.94	151.28	42	2.76883	5.01913	15940	151280	9.6766	11.9269	2.25030
<b>116</b>	43	645.12	594.97	48	6.46944	6.38851	645120	594970	13.3772	13.2963	-0.08093
<b>117</b>	43	310.70	802.89	55	5.73883	6.68822	310700	802890	12.6466	13.5960	0.94939
<b>118</b>	47	453.46	688.38	44	6.11691	6.53434	453460	688380	13.0247	13.4421	0.41743
<b>119</b>	35	16.76	82.15	54	2.81900	4.40855	16760	82150	9.7268	11.3163	1.58955
<b>120</b>	42	745.73	1006.64	56	6.61436	6.91437	745730	1006640	13.5221	13.8221	0.30001
<b>121</b>	47	718.02	756.11	60	6.57650	6.62819	718020	756110	13.4843	13.5359	0.05169
<b>122</b>	38	583.01	738.09	39	6.36820	6.60407	583010	738090	13.2760	13.5118	0.23586
<b>123</b>	48	242.78	581.89	62	5.49216	6.36628	242780	581890	12.3999	13.2740	0.87413
<b>124</b>	39	44.33	302.21	35	3.79166	5.71112	44330	302210	10.6994	12.6189	1.91946
<b>125</b>	29	1.15	143.21	57	0.13976	4.96431	1150	143210	7.0475	11.8721	4.82455
<b>126</b>	28	13.96	125.68	38	2.63620	4.83374	13960	125680	9.5440	11.7415	2.19754
<b>127</b>	26	43.49	884.75	36	3.77253	6.78531	43490	884750	10.6803	13.6931	3.01277
<b>128</b>	19	47.94	244.03	47	3.86995	5.49729	47940	244030	10.7777	12.4050	1.62734
<b>129</b>	38	860.77	561.07	56	6.75783	6.32985	860770	561070	13.6656	13.2376	-0.42798
<b>130</b>	25	13.24	419.01	48	2.58324	6.03789	13240	419010	9.4910	12.9457	3.45465
<b>131</b>	25	6.68	211.96	38	1.89912	5.35640	6680	211960	8.8069	12.2642	3.45728
<b>132</b>	23	2.39	96.00	38	0.87129	4.56435	2390	96000	7.7790	11.4721	3.69305
<b>133</b>	30	0.52	226.09	55	-0.65393	5.42093	520	226090	6.2538	12.3287	6.07486
<b>134</b>	48	253.59	484.58	39	5.53572	6.18328	253590	484580	12.4435	13.0910	0.64756
<b>135</b>	35	81.63	358.70	53	4.40220	5.88249	81630	358700	11.3100	12.7902	1.48029
<b>136</b>	28	0.30	318.82	33	-1.20397	5.76463	300	318820	5.7038	12.6724	6.96860
<b>137</b>	28	58.56	279.81	46	4.07005	5.63411	58560	279810	10.9778	12.5419	1.56406
<b>138</b>	24	1.64	234.96	34	0.49470	5.45942	1640	234960	7.4025	12.3672	4.96472
<b>139</b>	37	23.10	250.48	52	3.13983	5.52338	23100	250480	10.0476	12.4311	2.38355
<b>140</b>	37	12.00	121.43	62	2.48491	4.79934	12000	121430	9.3927	11.7071	2.31443
<b>141</b>	32	203.58	507.36	40	5.31606	6.22922	203580	507360	12.2238	13.1370	0.91316
<b>142</b>	43	507.68	1089.61	62	6.22985	6.99358	507680	1089610	13.1376	13.9013	0.76372
<b>143</b>	33	60.67	225.41	44	4.10545	5.41792	60670	225410	11.0132	12.3257	1.31247
<b>144</b>	43	355.02	752.33	45	5.87217	6.62318	355020	752330	12.7799	13.5309	0.75100
<b>145</b>	38	106.46	336.67	44	4.66777	5.81910	106460	336670	11.5755	12.7269	1.15133
<b>146</b>	44	801.29	385.40	58	6.68622	5.95428	801290	385400	13.5940	12.8620	-0.73194
<b>147</b>	36	82.04	118.70	39	4.40721	4.77660	82040	118700	11.3150	11.6844	0.36939
<b>148</b>	46	354.58	641.43	67	5.87093	6.46370	354580	641430	12.7787	13.3715	0.59277
<b>149</b>	48	630.91	1143.35	68	6.44716	7.04172	630910	1143350	13.3549	13.9495	0.59455
<b>150</b>	28	199.42	632.10	53	5.29541	6.44905	199420	632100	12.2032	13.3568	1.15363
<b>151</b>	24	12.62	454.35	61	2.53528	6.11887	12620	454350	9.4430	13.0266	3.58358
<b>152</b>	38	94.48	505.61	53	4.54839	6.22577	94480	505610	11.4561	13.1335	1.67738
<b>153</b>	39	179.20	646.22	50	5.18850	6.47114	179200	646220	12.0963	13.3789	1.28264
<b>154</b>											



	32	17.41	654.26	38	2.85704	6.48350	17410	654260	9.7648	13.3913	3.62646
<b>155</b>	48	476.22	384.74	64	6.16588	5.95257	476220	384740	13.0736	12.8603	-0.21331
<b>156</b>	47	645.99	600.11	58	6.47078	6.39711	645990	600110	13.3785	13.3049	-0.07367
<b>157</b>	35	6.36	187.30	51	1.85003	5.23271	6360	187300	8.7578	12.1405	3.38268
<b>158</b>	31	189.78	314.90	32	5.24587	5.75226	189780	314900	12.1536	12.6600	0.50639
<b>159</b>	40	391.93	426.90	28	5.97108	6.05655	391930	426900	12.8788	12.9643	0.08547
<b>160</b>	43	254.82	676.47	60	5.54056	6.51689	254820	676470	12.4483	13.4246	0.97633
<b>161</b>	27	30.30	284.70	40	3.41115	5.65144	30300	284700	10.3189	12.5592	2.24029
<b>162</b>	32	241.45	758.36	43	5.48666	6.63116	241450	758360	12.3944	13.5389	1.14450
<b>163</b>	45	625.93	1321.02	51	6.43924	7.18616	625930	1321020	13.3470	14.0939	0.74692
<b>164</b>	50	354.14	684.21	49	5.86969	6.52826	354140	684210	12.7774	13.4360	0.65857
<b>165</b>	24	13.53	476.46	52	2.60491	6.16638	13530	476460	9.5127	13.0741	3.56147
<b>166</b>	32	37.62	288.17	50	3.62754	5.66355	37620	288170	10.5353	12.5713	2.03601
<b>167</b>	29	12.60	300.05	44	2.53370	5.70395	12600	300050	9.4415	12.6117	3.17025
<b>168</b>	25	15.22	103.15	49	2.72261	4.63618	15220	103150	9.6304	11.5439	1.91357
<b>169</b>	39	32.04	152.27	42	3.46699	5.02566	32040	152270	10.3747	11.9334	1.55867
<b>170</b>	32	22.63	359.80	53	3.11928	5.88555	22630	359800	10.0270	12.7933	2.76627
<b>171</b>	36	197.46	1278.53	36	5.28554	7.15347	197460	1278530	12.1933	14.0612	1.86793
<b>172</b>	38	202.59	450.72	46	5.31118	6.11085	202590	450720	12.2189	13.0186	0.79966
<b>173</b>	30	14.42	227.82	47	2.66862	5.42856	14420	227820	9.5764	12.3363	2.75994

## The SAS System

The REG Procedure  
Model: MODEL1  
Dependent Variable: voteA

Number of Observations Read	173
Number of Observations Used	173

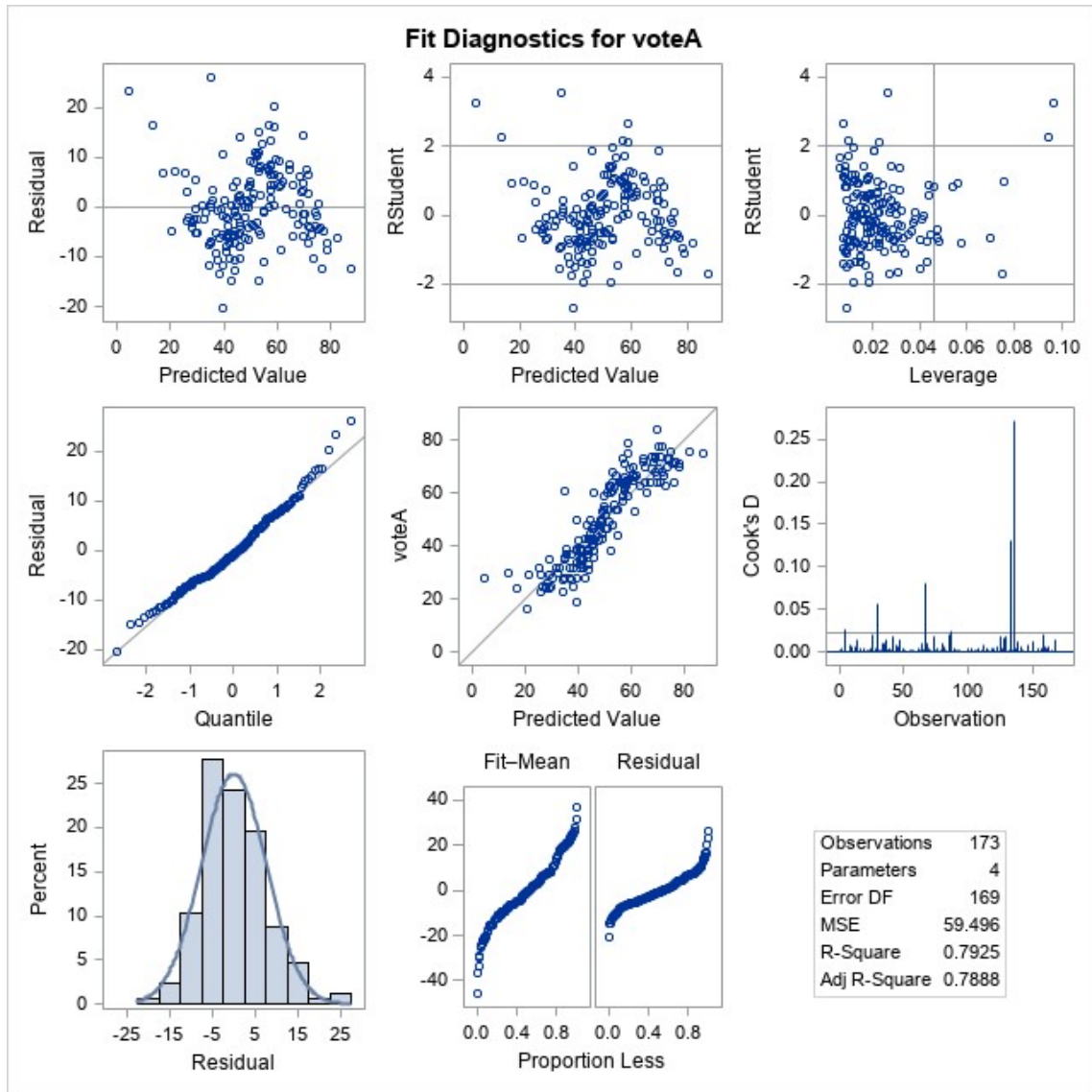
Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	38402	12801	215.15	<.0001
Error	169	10055	59.49603		
Corrected Total	172	48457			

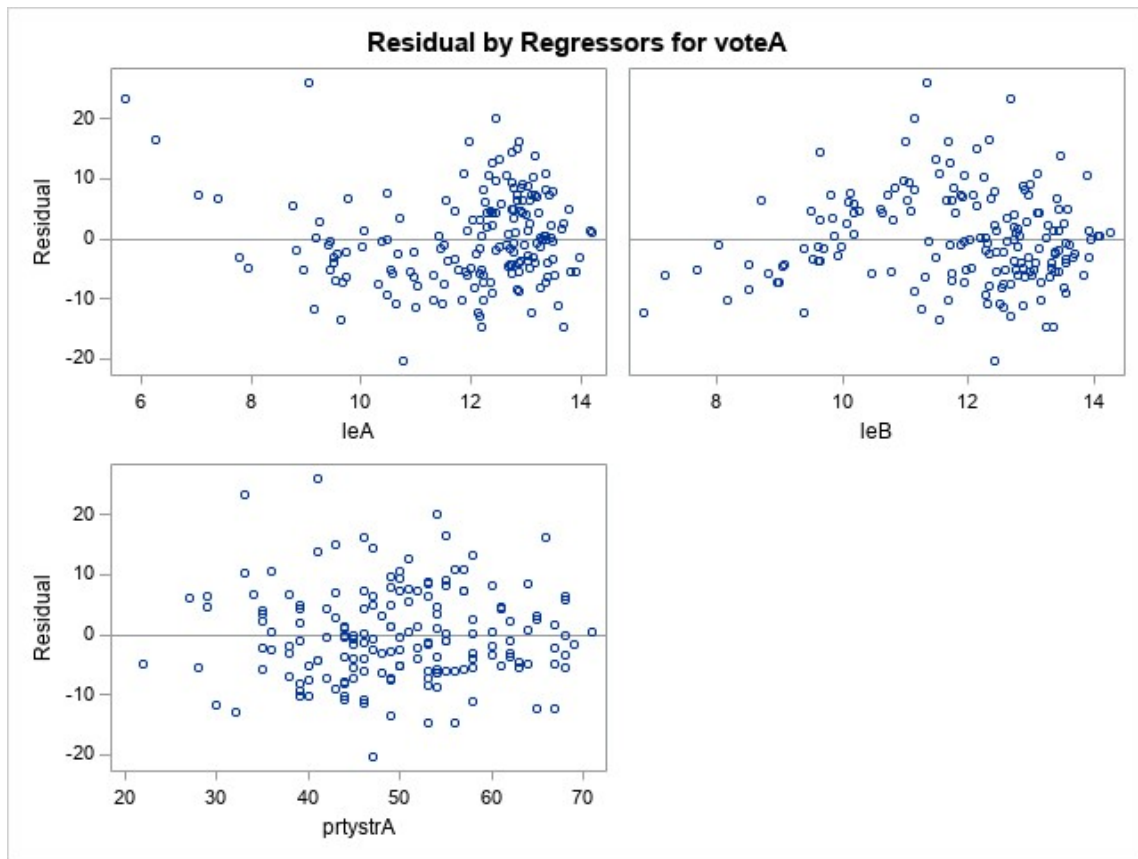
Root MSE	7.71337	R-Square	0.7925
Dependent Mean	50.50289	Adj R-Sq	0.7888
Coeff Var	15.27312		

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
prtysrA	1	0.15201	0.06203	2.45	0.0153

## The SAS System

The REG Procedure  
Model: MODEL1  
Dependent Variable: voteA





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**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

Obs	voteA	expendA	expendB	prtystrA	lexpendA	lexpendB	eA	eB	leA	leB	diff
1	68	328.30	8.74	41	5.79393	2.16791	328300	8740	12.7017	9.0757	-3.62602
2	62	626.38	402.48	60	6.43996	5.99765	626380	402480	13.3477	12.9054	-0.44231
3	73	99.61	3.07	55	4.60126	1.12168	99610	3070	11.5090	8.0294	-3.47958
4	69	319.69	26.28	64	5.76735	3.26881	319690	26280	12.6751	10.1766	-2.49854
5	75	159.22	60.05	66	5.07029	4.09518	159220	60050	11.9780	11.0029	-0.97511
6	69	570.16	21.39	46	6.34592	3.06292	570160	21390	13.2537	9.9707	-3.28299
7	59	696.75	193.91	58	6.54643	5.26739	696750	193910	13.4542	12.1751	-1.27903
8	71	638.69	7.70	49	6.45942	2.04122	638690	7700	13.3672	8.9490	-4.41820
9	76	616.94	19.25	71	6.42477	2.95751	616940	19250	13.3325	9.8653	-3.46726
10	73	351.69	50.53	64	5.86275	3.92257	351690	50530	12.7705	10.8303	-1.94018
11	68	269.89	14.71	53	5.59801	2.68853	269890	14710	12.5058	9.5963	-2.90949
12	71	269.51	95.57	58	5.59661	4.55986	269510	95570	12.5044	11.4676	-1.03675
13	52	1440.64	1089.57	49	7.27284	6.99354	1440640	1089570	14.1806	13.9013	-0.27930
14	79	252.34	69.56	54	5.53078	4.24219	252340	69560	12.4385	11.1499	-1.28859
15	50	1470.67	1548.19	54	7.29347	7.34484	1470670	1548190	14.2012	14.2526	0.05137
16	64	140.49	100.96	56	4.94514	4.61472	140490	100960	11.8529	11.5225	-0.33041
17	72	191.33	15.45	65	5.25400	2.73761	191330	15450	12.1618	9.6454	-2.51639
18	68	398.60	15.24	54	5.98796	2.72392	398600	15240	12.8957	9.6317	-3.26403
19	60	460.62	382.11	53	6.13257	5.94571	460620	382110	13.0403	12.8535	-0.18686
20	67	457.41	20.61	49	6.12558	3.02578	457410	20610	13.0333	9.9335	-3.09980
21	63	227.10	149.89	50	5.42539	5.00990	227100	149890	12.3331	11.9177	-0.41549
22	54	532.90	218.70	47	6.27833	5.38770	532900	218700	13.1861	12.2955	-0.89063
23	64	122.84	13.56	68	4.81088	2.60712	122840	13560	11.7186	9.5149	-2.20376
24	67	1110.13	47.75	68	7.01223	3.86598	1110130	47750	13.9200	10.7737	-3.14625
25	64	494.49	11.89	65	6.20353	2.47570	494490	11890	13.1113	9.3835	-3.72783
26	70	217.50	26.04	61	5.38220	3.25963	217500	26040	12.2900	10.1674	-2.12257
27	63	721.65	85.10	50	6.58154	4.44383	721650	85100	13.4893	11.3516	-2.13771
28	78	482.79	17.94	46	6.17958	2.88703	482790	17940	13.0873	9.7948	-3.29255
29	75	183.23	0.93	67	5.21074	-0.07257	183230	930	12.1185	6.8352	-5.28331
30	63	636.20	489.30	57	6.45551	6.19298	636200	489300	13.3633	13.1007	-0.26254
31	64	727.92	246.90	49	6.59019	5.50898	727920	246900	13.4979	12.4167	-1.08121
32	72	372.68	44.41	57	5.92072	3.79346	372680	44410	12.8285	10.7012	-2.12726
33	66	399.37	128.85	53	5.98989	4.85865	399370	128850	12.8976	11.7664	-1.13124
34	68	371.75	184.71	43	5.91822	5.21879	371750	184710	12.8260	12.1265	-0.69943
35	67	210.94	23.91	27	5.35157	3.17430	210940	23910	12.2593	10.0821	-2.17728
36	50	313.42	1069.70	36	5.74754	6.97513	313420	1069700	12.6553	13.8829	1.22759

37	54	408.29	503.65	61	6.01198	6.22188	408290	503650	12.9197	13.1296	0.20990
38	55	971.88	777.99	47	6.87923	6.65671	971880	777990	13.7870	13.5645	-0.22252
39	72	337.60	4.91	41	5.82186	1.59127	337600	4910	12.7296	8.4990	-4.23059
40	67	337.05	40.46	39	5.82023	3.70031	337050	40460	12.7280	10.6081	-2.11992
41	60	516.74	696.30	41	6.24754	6.54578	516740	696300	13.1553	13.4535	0.29824
42	78	101.54	6.05	68	4.62045	1.80006	101540	6050	11.5282	8.7078	-2.82039
43	59	838.71	358.35	67	6.73186	5.88151	838710	358350	13.6396	12.7893	-0.85035
44	65	382.28	60.69	29	5.94615	4.10578	382280	60690	12.8539	11.0135	-1.84037
45	63	405.04	64.40	29	6.00399	4.16511	405040	64400	12.9117	11.0729	-1.83887
46	64	193.12	6.76	35	5.26331	1.91102	193120	6760	12.1711	8.8188	-3.35229
47	63	502.08	206.96	33	6.21876	5.33253	502080	206960	13.1265	12.2403	-0.88623
48	50	359.94	348.34	44	5.88594	5.85318	359940	348340	12.7937	12.7609	-0.03276
49	61	165.14	48.94	48	5.10679	3.89060	165140	48940	12.0145	10.7984	-1.21620
50	74	281.23	26.56	68	5.63917	3.27941	281230	26560	12.5469	10.1872	-2.35977
51	66	122.90	28.32	61	4.81137	3.34357	122900	28320	11.7191	10.2513	-1.46780
52	65	239.16	41.26	46	5.47713	3.71989	239160	41260	12.3849	10.6276	-1.75724
53	65	471.23	124.13	53	6.15535	4.82133	471230	124130	13.0631	11.7291	-1.33402
54	64	193.21	16.24	45	5.26378	2.78748	193210	16240	12.1715	9.6952	-2.47630
55	69	251.63	57.71	49	5.52796	4.05543	251630	57710	12.4357	10.9632	-1.47253
56	53	394.41	69.49	54	5.97739	4.24118	394410	69490	12.8851	11.1489	-1.73621
57	53	444.42	332.88	35	6.09677	5.80778	444420	332880	13.0045	12.7155	-0.28899
58	56	689.09	244.99	35	6.53537	5.50122	689090	244990	13.4431	12.4090	-1.03415
59	73	333.72	11.74	69	5.81030	2.46300	333720	11740	12.7181	9.3708	-3.34730
60	62	551.48	130.24	42	6.31261	4.86938	551480	130240	13.2204	11.7771	-1.44323
61	61	35.79	24.92	51	3.57767	3.21567	35790	24920	10.4854	10.1234	-0.36200
62	64	420.73	115.70	47	6.04199	4.75100	420730	115700	12.9497	11.6588	-1.29099
63	64	523.11	175.95	50	6.25979	5.17020	523110	175950	13.1675	12.0780	-1.08959
64	73	388.87	119.26	46	5.96325	4.78131	388870	119260	12.8710	11.6891	-1.18194
65	74	234.58	13.48	54	5.45780	2.60121	234580	13480	12.3656	9.5090	-2.85659
66	64	545.76	149.04	43	6.30218	5.00421	545760	149040	13.2099	11.9120	-1.29796
67	61	8.40	84.10	41	2.12823	4.43201	8400	84100	9.0360	11.3398	2.30377
68	70	371.43	4.93	53	5.91736	1.59534	371430	4930	12.8251	8.5031	-4.32202
69	74	468.87	23.64	65	6.15033	3.16294	468870	23640	13.0581	10.0707	-2.98739
70	59	411.70	432.40	55	6.02029	6.06935	411700	432400	12.9281	12.9771	0.04906
71	66	202.32	68.39	55	5.30985	4.22523	202320	68390	12.2176	11.1330	-1.08462
72	73	354.70	18.89	54	5.87127	2.93863	354700	18890	12.7790	9.8464	-2.93264
73	60	343.10	34.37	57	5.83802	3.53718	343100	34370	12.7458	10.4449	-2.30084
74	84	344.93	15.40	47	5.84334	2.73437	344930	15400	12.7511	9.6421	-3.10897
75	70	337.20	63.01	50	5.82068	4.14329	337200	63010	12.7284	11.0510	-1.67738
76											

	67	235.95	121.06	51	5.46362	4.79629	235950	121060	12.3714	11.7040	-0.66733
<b>77</b>	54	876.78	750.49	58	6.77626	6.62073	876780	750490	13.6840	13.5285	-0.15553
<b>78</b>	57	600.94	164.86	45	6.39850	5.10510	600940	164860	13.3063	12.0129	-1.29340
<b>79</b>	71	323.83	8.58	63	5.78022	2.14943	323830	8580	12.6880	9.0572	-3.63078
<b>80</b>	76	150.59	1.31	55	5.01456	0.27003	150590	1310	11.9223	7.1778	-4.74453
<b>81</b>	72	128.40	2.19	50	4.85515	0.78390	128400	2190	11.7629	7.6917	-4.07125
<b>82</b>	70	450.80	14.87	62	6.11102	2.69935	450800	14870	13.0188	9.6071	-3.41168
<b>83</b>	60	680.82	415.66	52	6.52330	6.02987	680820	415660	13.4311	12.9376	-0.49343
<b>84</b>	54	434.20	143.89	39	6.07351	4.96905	434200	143890	12.9813	11.8768	-1.10446
<b>85</b>	63	137.56	3.54	44	4.92406	1.26413	137560	3540	11.8318	8.1719	-3.65993
<b>86</b>	64	234.43	7.99	45	5.45716	2.07819	234430	7990	12.3649	8.9859	-3.37897
<b>87</b>	23	9.46	77.10	30	2.24707	4.34510	9460	77100	9.1548	11.2529	2.09803
<b>88</b>	42	152.29	623.78	49	5.02579	6.43580	152290	623780	11.9335	13.3436	1.41001
<b>89</b>	28	35.79	216.17	39	3.57767	5.37607	35790	216170	10.4854	12.2838	1.79840
<b>90</b>	28	16.92	281.45	35	2.82850	5.63995	16920	281450	9.7363	12.5477	2.81146
<b>91</b>	35	100.94	320.22	49	4.61453	5.76901	100940	320220	11.5223	12.6768	1.15448
<b>92</b>	25	7.74	157.80	40	2.04640	5.06133	7740	157800	8.9542	11.9691	3.01493
<b>93</b>	37	202.52	512.21	53	5.31084	6.23873	202520	512210	12.2186	13.1465	0.92790
<b>94</b>	41	198.62	341.34	50	5.29139	5.83288	198620	341340	12.1991	12.7406	0.54149
<b>95</b>	47	215.06	338.12	39	5.37092	5.82340	215060	338120	12.2787	12.7312	0.45248
<b>96</b>	42	516.24	768.79	45	6.24657	6.64482	516240	768790	13.1543	13.5526	0.39825
<b>97</b>	32	9.56	210.84	55	2.25759	5.35110	9560	210840	9.1653	12.2589	3.09351
<b>98</b>	39	58.20	250.28	52	4.06389	5.52258	58200	250280	10.9716	12.4303	1.45869
<b>99</b>	45	394.10	380.93	46	5.97660	5.94262	394100	380930	12.8844	12.8504	-0.03399
<b>100</b>	33	96.28	221.53	44	4.56726	5.40056	96280	221530	11.4750	12.3083	0.83330
<b>101</b>	49	1158.29	858.76	58	7.05470	6.75549	1158290	858760	13.9625	13.6632	-0.29921
<b>102</b>	36	147.89	652.20	58	4.99647	6.48035	147890	652200	11.9042	13.3881	1.48388
<b>103</b>	48	981.86	678.65	63	6.88945	6.52011	981860	678650	13.7972	13.4279	-0.36934
<b>104</b>	34	53.96	252.82	45	3.98824	5.53268	53960	252820	10.8960	12.4404	1.54443
<b>105</b>	38	38.92	123.63	54	3.66151	4.81729	38920	123630	10.5693	11.7250	1.15578
<b>106</b>	32	57.26	403.06	54	4.04760	5.99909	57260	403060	10.9554	12.9068	1.95148
<b>107</b>	49	576.68	559.13	46	6.35729	6.32638	576680	559130	13.2650	13.2341	-0.03091
<b>108</b>	27	41.67	267.63	46	3.72978	5.58961	41670	267630	10.6375	12.4974	1.85982
<b>109</b>	43	90.89	364.09	60	4.50965	5.89740	90890	364090	11.4174	12.8052	1.38775
<b>110</b>	35	35.63	337.79	44	3.57319	5.82242	35630	337790	10.4809	12.7302	2.24924
<b>111</b>	39	162.16	602.94	67	5.08858	6.40182	162160	602940	11.9963	13.3096	1.31323
<b>112</b>	16	2.85	170.57	22	1.04732	5.13915	2850	170570	7.9551	12.0469	4.09183
<b>113</b>	29	10.43	411.06	43	2.34469	6.01874	10430	411060	9.2524	12.9265	3.67405
<b>114</b>	38	174.79	273.51	44	5.16359	5.61134	174790	273510	12.0713	12.5191	0.44775
<b>115</b>											



	28	15.94	151.28	42	2.76883	5.01913	15940	151280	9.6766	11.9269	2.25030
<b>116</b>	43	645.12	594.97	48	6.46944	6.38851	645120	594970	13.3772	13.2963	-0.08093
<b>117</b>	43	310.70	802.89	55	5.73883	6.68822	310700	802890	12.6466	13.5960	0.94939
<b>118</b>	47	453.46	688.38	44	6.11691	6.53434	453460	688380	13.0247	13.4421	0.41743
<b>119</b>	35	16.76	82.15	54	2.81900	4.40855	16760	82150	9.7268	11.3163	1.58955
<b>120</b>	42	745.73	1006.64	56	6.61436	6.91437	745730	1006640	13.5221	13.8221	0.30001
<b>121</b>	47	718.02	756.11	60	6.57650	6.62819	718020	756110	13.4843	13.5359	0.05169
<b>122</b>	38	583.01	738.09	39	6.36820	6.60407	583010	738090	13.2760	13.5118	0.23586
<b>123</b>	48	242.78	581.89	62	5.49216	6.36628	242780	581890	12.3999	13.2740	0.87413
<b>124</b>	39	44.33	302.21	35	3.79166	5.71112	44330	302210	10.6994	12.6189	1.91946
<b>125</b>	29	1.15	143.21	57	0.13976	4.96431	1150	143210	7.0475	11.8721	4.82455
<b>126</b>	28	13.96	125.68	38	2.63620	4.83374	13960	125680	9.5440	11.7415	2.19754
<b>127</b>	26	43.49	884.75	36	3.77253	6.78531	43490	884750	10.6803	13.6931	3.01277
<b>128</b>	19	47.94	244.03	47	3.86995	5.49729	47940	244030	10.7777	12.4050	1.62734
<b>129</b>	38	860.77	561.07	56	6.75783	6.32985	860770	561070	13.6656	13.2376	-0.42798
<b>130</b>	25	13.24	419.01	48	2.58324	6.03789	13240	419010	9.4910	12.9457	3.45465
<b>131</b>	25	6.68	211.96	38	1.89912	5.35640	6680	211960	8.8069	12.2642	3.45728
<b>132</b>	23	2.39	96.00	38	0.87129	4.56435	2390	96000	7.7790	11.4721	3.69305
<b>133</b>	30	0.52	226.09	55	-0.65393	5.42093	520	226090	6.2538	12.3287	6.07486
<b>134</b>	48	253.59	484.58	39	5.53572	6.18328	253590	484580	12.4435	13.0910	0.64756
<b>135</b>	35	81.63	358.70	53	4.40220	5.88249	81630	358700	11.3100	12.7902	1.48029
<b>136</b>	28	0.30	318.82	33	-1.20397	5.76463	300	318820	5.7038	12.6724	6.96860
<b>137</b>	28	58.56	279.81	46	4.07005	5.63411	58560	279810	10.9778	12.5419	1.56406
<b>138</b>	24	1.64	234.96	34	0.49470	5.45942	1640	234960	7.4025	12.3672	4.96472
<b>139</b>	37	23.10	250.48	52	3.13983	5.52338	23100	250480	10.0476	12.4311	2.38355
<b>140</b>	37	12.00	121.43	62	2.48491	4.79934	12000	121430	9.3927	11.7071	2.31443
<b>141</b>	32	203.58	507.36	40	5.31606	6.22922	203580	507360	12.2238	13.1370	0.91316
<b>142</b>	43	507.68	1089.61	62	6.22985	6.99358	507680	1089610	13.1376	13.9013	0.76372
<b>143</b>	33	60.67	225.41	44	4.10545	5.41792	60670	225410	11.0132	12.3257	1.31247
<b>144</b>	43	355.02	752.33	45	5.87217	6.62318	355020	752330	12.7799	13.5309	0.75100
<b>145</b>	38	106.46	336.67	44	4.66777	5.81910	106460	336670	11.5755	12.7269	1.15133
<b>146</b>	44	801.29	385.40	58	6.68622	5.95428	801290	385400	13.5940	12.8620	-0.73194
<b>147</b>	36	82.04	118.70	39	4.40721	4.77660	82040	118700	11.3150	11.6844	0.36939
<b>148</b>	46	354.58	641.43	67	5.87093	6.46370	354580	641430	12.7787	13.3715	0.59277
<b>149</b>	48	630.91	1143.35	68	6.44716	7.04172	630910	1143350	13.3549	13.9495	0.59455
<b>150</b>	28	199.42	632.10	53	5.29541	6.44905	199420	632100	12.2032	13.3568	1.15363
<b>151</b>	24	12.62	454.35	61	2.53528	6.11887	12620	454350	9.4430	13.0266	3.58358
<b>152</b>	38	94.48	505.61	53	4.54839	6.22577	94480	505610	11.4561	13.1335	1.67738
<b>153</b>	39	179.20	646.22	50	5.18850	6.47114	179200	646220	12.0963	13.3789	1.28264
<b>154</b>											

	32	17.41	654.26	38	2.85704	6.48350	17410	654260	9.7648	13.3913	3.62646
<b>155</b>	48	476.22	384.74	64	6.16588	5.95257	476220	384740	13.0736	12.8603	-0.21331
<b>156</b>	47	645.99	600.11	58	6.47078	6.39711	645990	600110	13.3785	13.3049	-0.07367
<b>157</b>	35	6.36	187.30	51	1.85003	5.23271	6360	187300	8.7578	12.1405	3.38268
<b>158</b>	31	189.78	314.90	32	5.24587	5.75226	189780	314900	12.1536	12.6600	0.50639
<b>159</b>	40	391.93	426.90	28	5.97108	6.05655	391930	426900	12.8788	12.9643	0.08547
<b>160</b>	43	254.82	676.47	60	5.54056	6.51689	254820	676470	12.4483	13.4246	0.97633
<b>161</b>	27	30.30	284.70	40	3.41115	5.65144	30300	284700	10.3189	12.5592	2.24029
<b>162</b>	32	241.45	758.36	43	5.48666	6.63116	241450	758360	12.3944	13.5389	1.14450
<b>163</b>	45	625.93	1321.02	51	6.43924	7.18616	625930	1321020	13.3470	14.0939	0.74692
<b>164</b>	50	354.14	684.21	49	5.86969	6.52826	354140	684210	12.7774	13.4360	0.65857
<b>165</b>	24	13.53	476.46	52	2.60491	6.16638	13530	476460	9.5127	13.0741	3.56147
<b>166</b>	32	37.62	288.17	50	3.62754	5.66355	37620	288170	10.5353	12.5713	2.03601
<b>167</b>	29	12.60	300.05	44	2.53370	5.70395	12600	300050	9.4415	12.6117	3.17025
<b>168</b>	25	15.22	103.15	49	2.72261	4.63618	15220	103150	9.6304	11.5439	1.91357
<b>169</b>	39	32.04	152.27	42	3.46699	5.02566	32040	152270	10.3747	11.9334	1.55867
<b>170</b>	32	22.63	359.80	53	3.11928	5.88555	22630	359800	10.0270	12.7933	2.76627
<b>171</b>	36	197.46	1278.53	36	5.28554	7.15347	197460	1278530	12.1933	14.0612	1.86793
<b>172</b>	38	202.59	450.72	46	5.31118	6.11085	202590	450720	12.2189	13.0186	0.79966
<b>173</b>	30	14.42	227.82	47	2.66862	5.42856	14420	227820	9.5764	12.3363	2.75994

## 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
prtysrA	1	0.15201	0.06203	2.45	0.0153

## The SAS System

The REG Procedure  
Model: MODEL1  
Dependent Variable: voteA

