

First-stage regressions for the 1962/5 - 1978/81 regressions.
23 April 2001

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UNIT 6 IS NOW ASSIGNED TO: OECDOUT1
|_FILE 11 OECDATA5
UNIT 11 IS NOW ASSIGNED TO: OECDATA5
  _SAMPLE 1 95
_READ (11) COUNTRY YEAR PENS R WELFR UNEMR EDUCR HEALR &
_PENS WELF UNEM EDUC HEALTH ALLGOVT NONSOC &
INCOME INCOME1 INCOME5 INCOME10 GROWTH &
UPPERGAP LOWERGAP MELTZR DEMOC &
WOMEN VOTERS TURNOVER POP POPGROW &
KIDS POP2039 POP65A SCHOOLAD INV INV1 INV5 INV10 &
SCHOOL10 UNIV10 PLINC CANADA FRANCE GERMANY &
JAPAN ITALY US AUSSIES AUSTRIA BELGIUM DENMARK &
FINLAND GREECE IRELAND NETHER NZ NORWAY &
SWEDEN SWITZER CATH PROT CORPTISM PPENS PWELUN &
PWELF PUNEM PEDUC PHEAL PNONSOC NONSOCR &
SLUMP MILIT ZEIT1 ZEIT2 ZEIT3 ZEIT4 &
PENSL WELFL UNEML EDUCL HEALTHL ALLGOVTL NONSOCL &
INFLOECD UNEMOECD ETHFRAC OPEN POP014 POP514 POP65 &
PTRANS PGROWTH BACKWARD TIME2 TIME3 TIME4 TIME5
  95 VARIABLES AND          95 OBSERVATIONS STARTING AT OBS      1
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BACKWARD is pre-calculated as $\ln(Y_{us}/Y_i)$, $t-10$

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_GENR LINC = LOG(INCOME)
GENR LINC SQ = LINC**2
  _GENR LINC10 = LOG(INCOME10)
GENR PLINC SQ = PLINC**2
GENR INV1AD = LOG(INV1*(1+KIDS+POP65))
GENR INV5AD = LOG(INV5*(1+KIDS+POP65))
GENR INV10AD = LOG(INV10*(1+KIDS+POP65))
  _GENR SCHOOLSQ = SCHOOLAD ** 2
  _GENR POP514SQ = POP514 ** 2
  _GENR POP65SQ = POP65 ** 2
  _GENR POP65CU = POP65 ** 3
  _GENR TRANS = PENS + WELF + UNEM + HEALTH
GENR PTRANS = PPENS + PWELF + PUNEM + PHEAL
  _GENR PTRANSSQ = PTRANS ** 2
  _GENR PPENSSQ = PPENS ** 2
  _GENR PWELUNSQ = PWELUN ** 2
  _GENR PEDUCSQ = PEDUC ** 2
  _GENR PHEALSQ = PHEAL ** 2
  _GENR PNONSCSQ = PNONSOC ** 2
GENR LNUPGAP = LOG(UPPERGAP)
GENR LNLOWGAP = LOG(LOWERGAP)
GENR TOT = ALLGOVT - NONSOC
  _GENR OLDSWISS = 1 - WOMEN
  _GENR GREEKDIK = 1 - DEMOC
  _GENR AGDEMAND = INFLOECD - UNEMOECD
  _GENR MISERY = INFLOECD + UNEMOECD
  _GENR VOTERS SQ = VOTERS ** 2
  _GENR VOTERS CU = VOTERS ** 3
  _GENR CATHDOM = MAX(0, CATH-.50)
  _GENR WELUN = WELF + UNEM
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_GENR TRANSLAG = PENS1 + WELFL + UNEM1 + HEALTHL
 _GENR PENS1 = PENS/POP65

_POOL GROWTH LINC10 BACKWARD INV1 INV10 SCHOOL10 UNIV10 &
 AGDEMAND MISERY &
 CORPTISM POP514 POP514SQ POP65 POP65SQ POP65CU &
 VOTERS VOTERSSQ VOTERSCU TURNOVER &
 CATHDOM ETHFRAC OPEN MILIT / NC = 19 SAME LIST
 POOLED CROSS-SECTION TIME-SERIES ESTIMATION
 19 CROSS-SECTIONS AND 5 TIME-PERIODS
 DEPENDENT VARIABLE = GROWTH
 ...WARNING..TOO FEW DEGREES OF FREEDOM, DN OPTION USED

OLS COEFFICIENTS

0.56870E-01	0.90816E-01	0.15328E-01	-0.86651E-02	0.30085E-01
-0.38736E-01	0.58789E-02	-0.34172E-02	0.37628E-02	-0.46499E-02
0.93197E-04	-0.46753E-01	0.38125E-02	-0.10354E-03	.72001
-.99981	.44435	0.85330E-03	0.16240E-01	0.74046E-02
-0.62005E-04	0.14377E-02	-0.49710E-01		

RHO VECTOR

0.43291E-01	.24187	.35358	0.28174E-01	.56850
.69295	.27888	.86418	-.40028	.23361
.31581	-.44713	-0.80762E-01	.27655	.64523
.35935	-.25842	.59719	-.28927	

CONSTANT RHO = .16855

VARIANCES

0.31312E-04	0.65484E-05	0.12134E-04	0.39782E-04	0.10274E-04
0.17460E-04	0.30927E-05	0.12553E-04	0.52955E-05	0.12295E-04
0.21980E-04	0.22438E-04	0.37261E-04	0.46825E-05	0.21921E-04
0.19455E-04	0.29429E-04	0.17660E-04	0.23136E-05	

FINAL COEFFICIENTS

0.49413E-01	0.83460E-01	0.16258E-01	-0.75568E-02	0.29162E-01
-0.26192E-01	0.58730E-02	-0.35196E-02	0.31578E-02	-0.41866E-02
0.83813E-04	-0.51556E-01	0.42209E-02	-0.11408E-03	.50334
-.71093	.32442	0.57399E-03	0.16497E-01	0.47669E-02
-0.52895E-04	0.17741E-02	0.25907E-01		

FINAL SSE = 86.556

LOG-LIKELIHOOD FUNCTION = 402.992
 BUSE R-SQUARE = .9219 BUSE RAW-MOMENT R-SQUARE = .9899
 VARIANCE OF THE ESTIMATE = 1.2022
 STANDARD ERROR OF THE ESTIMATE = 1.0964
 MEAN OF DEPENDENT VARIABLE = 0.35705E-01
 LOG OF THE LIKELIHOOD FUNCTION = 402.992

MODEL SELECTION TESTS - SEE JUDGE ET.AL.(1985, P.242)
 AKAIKE (1969) FINAL PREDICTION ERROR- FPE = 1.4932
 (FPE ALSO KNOWN AS AMEMIYA PREDICTION CRITERION -PC)
 AKAIKE (1973) INFORMATION CRITERION- AIC = .39112
 SCHWARZ(1978) CRITERION-SC = 1.0094

	ANALYSIS OF VARIANCE - FROM MEAN			
	SS	DF	MS	F
REGRESSION	1021.7	22.	46.439	38.630
ERROR	86.556	72.	1.2022	

TOTAL 1108.2 94. 11.790

ANALYSIS OF VARIANCE - FROM ZERO

	SS	DF	MS	F
REGRESSION	8487.2	23.	369.01	306.956
ERROR	86.556	72.	1.2022	
TOTAL	8573.8	95.	90.250	

VARIABLE NAME	ESTIMATED COEFFICIENT	STANDARD ERROR	T-RATIO 72 DF	PARTIAL CORR.	STANDARDIZED COEFFICIENT	ELASTICITY AT MEANS
LINC10	0.49413E-01	0.36227E-01	1.3640	.1587	1.4860	2.1252
BACKWARD	0.83460E-01	0.35756E-01	2.3341	.2652	2.2618	1.2604
INV1	0.16258E-01	0.21278E-02	7.6407	.6692	.66860	.82870
INV10	-0.75568E-02	0.31415E-02	-2.4055	-.2727	-.28654	-.25415
SCHOOL10	0.29162E-01	0.14009E-01	2.0817	.2383	.19048	.52140
UNIV10	-0.26192E-01	0.22399E-01	-1.1693	-.1365	-0.57581E-01	-0.30244E-01
AGDEMAND	0.58730E-02	0.17659E-02	3.3258	.3649	.45854	.29904
MISERY	-0.35196E-02	0.14680E-02	-2.3975	-.2719	-.79627	-.95006
CORPTISM	0.31578E-02	0.73502E-03	4.2962	.4517	.35568	.14430
POP514	-0.41866E-02	0.40046E-02	-1.0454	-.1223	-.64806	-1.9712
POP514SQ	0.83813E-04	0.11325E-03	.74007	.0869	.45867	.67473
POP65	-0.51556E-01	0.15205E-01	-3.3907	-.3711	-8.3854	-16.573
POP65SQ	0.42209E-02	0.13502E-02	3.1261	.3457	15.559	16.202
POP65CU	-0.11408E-03	0.39168E-04	-2.9127	-.3247	-7.4333	-5.4090
VOTERS	.50334	.34304	1.4673	.1704	3.9978	11.132
VOTERSSQ	-.71093	.50835	-1.3985	-.1626	-8.1875	-12.668
VOTERSCU	.32442	.24460	1.3263	.1544	4.1973	4.7311
TURNOVER	0.57399E-03	0.31690E-03	1.8113	.2088	0.74846E-01	0.41374E-01
CATHDOM	0.16497E-01	0.42779E-02	3.8564	.4138	.23665	0.55931E-01
ETHFRAC	0.47669E-02	0.54550E-02	.87386	.1024	0.71371E-01	0.30566E-01
OPEN	-0.52895E-04	0.42027E-04	-1.2586	-.1467	-0.92168E-01	-0.78734E-01
MILIT	0.17741E-02	0.42364E-03	4.1877	.4426	.20033	.15571
CONSTANT	0.25907E-01	.11444	.22638	.0267	.00000	.72557
OBS. NO.	OBSERVED VALUE	PREDICTED VALUE	CALCULATED RESIDUAL			
1	2.9946	3.4602	-.46557		* I	
2	4.3131	4.3238	-0.10725E-01		*	
3	6.1564	3.6838	2.4726		I	*
4	5.0801	4.7203	.35979		I *	
5	4.1283	3.1517	.97661		I	*
6	15.793	16.710	-.91755		* I	
7	14.103	14.697	-.59393		* I	
8	15.925	15.254	.67137		I	*
9	13.642	13.529	.11308		I*	
10	10.454	9.7586	.69567		I	*
11	14.149	12.549	1.5994		I	*
12	8.4896	8.7797	-.29008		* I	
13	8.4961	8.8037	-.30757		* I	
14	7.4445	6.6796	.76500		I	*
15	6.7769	6.2764	.50051		I	*
16	12.033	12.532	-.49890		* I	
17	12.370	10.500	1.8702		I	*
18	11.362	10.063	1.2985		I	*
19	7.8221	8.2226	-.40050		* I	
20	5.1072	5.3482	-.24098		*I	

21	15.684	15.092	.59183	I	*		
22	12.918	11.216	1.7010	I			*
23	9.8502	9.6923	.15796	I*			
24	10.064	10.014	0.49948E-01	*			
25	8.5567	7.8655	.69124	I	*		
26	4.9538	5.8695	-.91571	*	I		
27	4.6572	5.9175	-1.2603	*	I		
28	5.2945	5.3058	-0.11305E-01	*			
29	5.1735	4.3905	.78298	I	*		
30	4.9342	3.5919	1.3423	I			*
31	8.4075	8.3370	0.70456E-01	*			
32	13.347	13.324	0.22930E-01	*			
33	12.861	11.479	1.3817	I			*
34	8.2163	8.8221	-.60589	*	I		
35	8.9830	9.6431	-.66011	*	I		
36	6.6769	6.7613	-0.84474E-01	*			
37	7.3255	8.7400	-1.4145	*	I		
38	8.7335	9.2866	-.55312	*	I		
39	5.6257	7.0488	-1.4232	*	I		
40	2.7145	3.8608	-1.1463	*	I		
41	20.989	20.500	.48903	I	*		
42	14.228	15.753	-1.5255	*	I		
43	15.683	14.640	1.0434	I			*
44	15.102	14.586	.51550	I	*		
45	12.133	13.060	-.92696	*	I		
46	8.4333	9.7944	-1.3611	*	I		
47	8.8248	9.8336	-1.0088	*	I		
48	10.818	9.6082	1.2097	I			*
49	9.2926	8.9800	.31263	I	*		
50	7.4885	7.2718	.21672	I*			
51	7.9893	6.3202	1.6691	I			*
52	7.5923	6.8530	.73927	I	*		
53	5.7421	6.3496	-.60745	*	I		
54	3.8968	5.3009	-1.4041	*	I		
55	3.6164	3.4414	.17499	I*			
56	7.6993	8.6707	-.97137	*	I		
57	6.9167	7.7378	-.82108	*	I		
58	7.4789	6.2142	1.2647	I			*
59	6.7388	8.1093	-1.3705	*	I		
60	5.3678	5.0661	.30172	I	*		
61	8.5583	9.5311	-.97277	*	I		
62	8.0382	8.0410	-0.27821E-02	*			
63	10.357	8.2883	2.0692	I			*
64	7.4860	7.7786	-.29259	*	I		
65	5.6067	5.7391	-.13247	*	I		
66	11.388	12.546	-1.1585	*	I		
67	13.765	13.427	.33809	I	*		
68	13.526	13.625	-0.99287E-01	*	I		
69	12.986	13.254	-.26785	*	I		
70	11.678	11.787	-.10937	*	I		
71	6.9474	7.0414	-0.94016E-01	*			
72	6.5010	7.2861	-.78512	*	I		
73	7.8881	7.1132	.77484	I	*		
74	6.9953	5.3434	1.6519	I			*
75	4.7539	3.6754	1.0785	I	*		
76	6.4807	4.6286	1.8521	I			*
77	5.0132	4.5881	.42507	I	*		

78	3.5026	3.6581	-.15555		*I
79	3.5434	4.6657	-1.1223	*	I
80	1.9946	2.0133	-0.18743E-01		*
81	5.6327	4.9906	.64206		I *
82	5.8573	5.9986	-.14128		*I
83	5.4865	6.0337	-.54716	*	I
84	5.1489	6.8488	-1.6998	*	I
85	6.6858	5.4669	1.2188		I *
86	8.2094	8.2579	-0.48532E-01		*
87	7.1627	8.3666	-1.2039	*	I
88	6.4087	7.6879	-1.2791	*	I
89	4.3874	6.2161	-1.8287	*	I
90	3.5586	3.3693	.18928		I*
91	20.737	20.882	-.14507		*I
92	16.177	16.167	0.96814E-02		*
93	15.084	14.352	.73185		I *
94	8.7311	9.8382	-1.1071	*	I
95	3.9223	3.2781	.64418		I *

DURBIN-WATSON = 1.7255 VON NEUMAN RATIO = 1.7439 RHO = .13423
RESIDUAL SUM = 2.6679 RESIDUAL VARIANCE = 1.2022
SUM OF ABSOLUTE ERRORS= 72.687
R-SQUARE BETWEEN OBSERVED AND PREDICTED = .9438
RUNS TEST: 40 RUNS, 45 POSITIVE, 50 NEGATIVE, NORMAL STATISTIC = -
1.7312

_POOL PENS LINC10 BACKWARD INV1 INV10 SCHOOL10 UNIV10 &
AGDEMAND MISERY MILIT &
CORPTISM VOTERS VOTERSSQ VOTERSCU &
TURNOVER POP514 POP514SQ POP65 POP65SQ POP65CU &
ETHFRAC CATH OPEN / NC = 19 SAME LIST
POOLED CROSS-SECTION TIME-SERIES ESTIMATION
19 CROSS-SECTIONS AND 5 TIME-PERIODS
DEPENDENT VARIABLE = PENS
...WARNING..TOO FEW DEGREES OF FREEDOM, DN OPTION USED

OLS COEFFICIENTS

23.902	23.279	-1.3225	1.4124	-1.8497
-17.406	.72400	-.51235	.29799	1.3803
5.4436	1.5737	-2.0694	-0.13222E-01	1.3569
-0.32830E-01	2.8197	-.19067	0.45145E-02	.50298
4.1611	-0.68743E-01	-69.123		

RHO VECTOR

-0.85658E-01	1.2746	.80400	1.8047	.55338
.65107	.52817	1.4158	-0.96608E-01	.57079
.79218	1.0006	.62832	.83124	1.2394
.65473	0.52647E-02	.73053	-.12839	

CONSTANT RHO = .73632

VARIANCES

.38133	.50369	.83861	.37325	.28335
.18097	0.17521E-01	.43026	.19588	.75151
.63841	.24352	.72803	.20577	.68439
.53043	.52733	.55893	.19692	

FINAL COEFFICIENTS

12.307	11.228	-.96494	1.0307	-.33851
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.60559 .46810 -.23562 .14613 .93943
 -9.8811 9.0137 1.9484 0.16735E-01 0.86939E-01
 -0.46756E-02 -1.9187 .19444 -0.56072E-02 -.34055
 3.5340 -0.38289E-01 -11.773
 FINAL SSE = 86.722

LOG-LIKELIHOOD FUNCTION = -87.3779
 BUSE R-SQUARE = .8809 BUSE RAW-MOMENT R-SQUARE = .9766
 VARIANCE OF THE ESTIMATE = 1.2045
 STANDARD ERROR OF THE ESTIMATE = 1.0975
 MEAN OF DEPENDENT VARIABLE = 6.5798
 LOG OF THE LIKELIHOOD FUNCTION = -87.3779

MODEL SELECTION TESTS - SEE JUDGE ET.AL.(1985, P.242)
 AKAIKE (1969) FINAL PREDICTION ERROR- FPE = 1.4961
 (FPE ALSO KNOWN AS AMEMIYA PREDICTION CRITERION -PC)
 AKAIKE (1973) INFORMATION CRITERION- AIC = .39305
 SCHWARZ (1978) CRITERION-SC = 1.0114

ANALYSIS OF VARIANCE - FROM MEAN				
	SS	DF	MS	F
REGRESSION	641.44	22.	29.156	24.207
ERROR	86.722	72.	1.2045	
TOTAL	728.16	94.	7.7464	

ANALYSIS OF VARIANCE - FROM ZERO				
	SS	DF	MS	F
REGRESSION	3625.5	23.	157.63	130.870
ERROR	86.722	72.	1.2045	
TOTAL	3712.2	95.	39.076	

VARIABLE NAME	ESTIMATED COEFFICIENT	STANDARD ERROR	T-RATIO 72 DF	PARTIAL CORR.	STANDARDIZED COEFFICIENT	ELASTICITY AT MEANS
LINC10	12.307	5.3337	2.3074	.2624	1.7798	2.8723
BACKWARD	11.228	5.2930	2.1212	.2425	1.4632	.92010
INV1	-.96494	.35396	-2.7261	-.3059	-.19083	-.26690
INV10	1.0307	.64092	1.6082	.1862	.18794	.18811
SCHOOL10	-.33851	2.3933	-.14144	-.0167	-0.10632E-01	-0.32842E-01
UNIV10	.60559	4.2656	.14197	.0167	0.64021E-02	0.37946E-02
AGDEMAND	.46810	.26151	1.7900	.2064	.17575	.12934
MISERY	-.23562	.21353	-1.1034	-.1290	-.25634	-.34513
MILIT	.14613	.10123	1.4436	.1677	0.79348E-01	0.69597E-01
CORPTISM	.93943	.18097	5.1911	.5219	.50883	.23295
VOTERS	-9.8811	75.427	-.13100	-.0154	-.37740	-1.1859
VOTERSSQ	9.0137	111.44	0.80882E-01	.0095	.49918	.87159
VOTERSCU	1.9484	53.403	0.36484E-01	.0043	.12122	.15419
TURNOVER	0.16735E-01	0.65502E-01	.25549	.0301	0.10494E-01	0.65459E-02
POP514	0.86939E-01	.61798	.14068	.0166	0.64715E-01	.22213
POP514SQ	-0.46756E-02	0.17081E-01	-.27373	-.0322	-.12304	-.20426
POP65	-1.9187	2.8195	-.68051	-.0799	-1.5007	-3.3470
POP65SQ	.19444	.25084	.77513	.0910	3.4467	4.0501
POP65CU	-0.56072E-02	0.73437E-02	-.76354	-.0896	-1.7568	-1.4426
ETHFRAC	-.34055	1.5605	-.21823	-.0257	-0.24519E-01	-0.11850E-01
CATH	3.5340	.64245	5.5008	.5440	.44939	.20551
OPEN	-0.38289E-01	0.10631E-01	-3.6015	-.3907	-.32083	-.30927

CONSTANT	-11.773	22.254	-.52901	-.0622	.00000	-1.7892
OBS. NO.	OBSERVED VALUE	PREDICTED VALUE	CALCULATED RESIDUAL			
1	3.2433	2.9427	.30061			I *
2	1.3449	.94651	.39836			I *
3	1.9168	1.0781	.83867			I *
4	2.1319	3.7935	-1.6616	*		I
5	2.4570	3.3961	-.93912		*	I
6	6.7786	5.9449	.83366			I *
7	4.3606	3.2774	1.0832			I *
8	3.4330	3.1234	.30954			I *
9	4.7621	4.2750	.48707			I *
10	6.1223	4.1689	1.9533			I *
11	7.2114	5.6677	1.5438			I *
12	4.0769	2.7949	1.2821			I *
13	3.0132	3.5464	-.53322		*	I
14	5.3483	4.4773	.87093			I *
15	3.4597	3.6344	-.17471			*I
16	1.3290	2.0145	-.68544		*	I
17	.50154	1.8072	-1.3057	*		I
18	.77548	1.8205	-1.0450		*	I
19	3.0870	3.4060	-.31901			*I
20	3.5509	4.0691	-.51821		*	I
21	8.2750	9.3630	-1.0880		*	I
22	5.8736	5.5938	.27979			I*
23	5.8957	6.1065	-.21080			*I
24	6.9230	7.1345	-.21145			*I
25	8.6665	7.2519	1.4146			I *
26	7.2687	5.9623	1.3064			I *
27	4.1254	3.2261	.89932			I *
28	3.9492	4.2462	-.29705			*I
29	5.6816	5.6070	0.74627E-01			*
30	4.8552	6.3207	-1.4656	*		I
31	23.157	23.432	-.27536			*I
32	10.157	9.9634	.19366			I*
33	17.255	17.321	-0.66059E-01			*
34	19.725	19.527	.19746			I*
35	15.192	15.205	-0.13054E-01			*
36	3.5175	3.0194	.49814			I *
37	.95913	2.1107	-1.1515	*		I
38	1.7043	2.5148	-.81046		*	I
39	3.9552	5.3483	-1.3931	*		I
40	2.7442	3.5715	-.82733		*	I
41	16.343	15.803	.54009			I *
42	8.5830	7.9833	.59966			I *
43	6.8170	7.5765	-.75951	*		I
44	8.9052	9.1244	-.21920			*I
45	9.8813	8.2918	1.5895			I *
46	3.3796	5.7815	-2.4019	*		I
47	2.3437	2.4594	-.11573			*I
48	2.8105	2.7415	0.68969E-01			*
49	3.8596	3.4036	.45598			I *
50	3.5777	3.4444	.13329			I*
51	4.1072	4.1431	-0.35942E-01			*
52	2.4766	2.8516	-.37500		*	I
53	3.9466	3.2897	.65694			I *
54	2.7772	4.5700	-1.7928	*		I

55	2.9421	4.1269	-1.1848	*	I	
56	5.2378	4.9795	.25831		I*	
57	4.4120	3.0375	1.3745		I	*
58	4.9359	4.5952	.34070		I	*
59	6.6691	5.2084	1.4608		I	*
60	6.1888	6.4104	-.22160		*I	
61	3.2672	1.5458	1.7214		I	*
62	2.4686	1.3307	1.1379		I	*
63	1.3892	1.9895	-.60034		*	I
64	1.3718	2.8173	-1.4455	*	I	
65	2.5708	2.6758	-.10499		*I	
66	4.0423	4.7690	-.72667		*	I
67	2.0162	2.4375	-.42135		*	I
68	2.6174	3.6784	-1.0610	*	I	
69	3.6111	3.6268	-0.15721E-01		*	
70	3.3253	3.4941	-.16872		*I	
71	5.4554	5.1650	.29036		I	*
72	4.2413	3.0782	1.1631		I	*
73	3.5661	2.3658	1.2003		I	*
74	4.8867	4.3890	.49765		I	*
75	5.7688	4.2910	1.4779		I	*
76	3.8277	2.1953	1.6324		I	*
77	1.4092	1.2769	.13228		I*	
78	1.4150	2.3199	-.90495	*	I	
79	3.4875	2.5758	.91170		I	*
80	4.4764	3.3866	1.0899		I	*
81	3.7830	4.8778	-1.0948	*	I	
82	4.3110	3.7977	.51329		I	*
83	4.1914	3.8488	.34267		I	*
84	3.4713	2.4938	.97749		I	*
85	3.0854	4.4185	-1.3331	*	I	
86	4.5072	6.3650	-1.8578	*	I	
87	2.9067	4.2164	-1.3097	*	I	
88	3.3706	4.0744	-.70386		*	I
89	4.8264	5.2187	-.39233		*	I
90	6.0801	5.0217	1.0583		I	*
91	4.6200	5.0602	-.44024		*	I
92	3.4229	4.2512	-.82835	*	I	
93	4.8422	4.4971	.34509		I	*
94	8.7088	7.2235	1.4854		I	*
95	5.4585	6.5197	-1.0612	*	I	

DURBIN-WATSON = 1.4875 VON NEUMAN RATIO = 1.5033 RHO = .25250
 RESIDUAL SUM = 1.6519 RESIDUAL VARIANCE = 1.2045
 SUM OF ABSOLUTE ERRORS= 74.790
 R-SQUARE BETWEEN OBSERVED AND PREDICTED = .9367
 RUNS TEST: 40 RUNS, 47 POSITIVE, 48 NEGATIVE, NORMAL STATISTIC = -
 1.7526

_POOL WELUN LINC10 BACKWARD INV1 INV10 SCHOOL10 UNIV10 &
 AGDEMAND MISERY MILIT &
 CORPTISM VOTERS VOTERSSQ VOTERSCU &
 TURNOVER POP514 POP514SQ POP65 POP65SQ POP65CU &
 ETHFRAC CATH OPEN / NC = 19 SAME LIST
 POOLED CROSS-SECTION TIME-SERIES ESTIMATION
 19 CROSS-SECTIONS AND 5 TIME-PERIODS

DEPENDENT VARIABLE = WELUN
 ...WARNING..TOO FEW DEGREES OF FREEDOM, DN OPTION USED

OLS COEFFICIENTS

.92072	-.31911	-1.1472	2.9153	-9.5245
26.896	.59195	-.16238	.22135	.12512
-58.483	196.21	-134.41	.42709	-3.1770
0.73153E-01	-8.5160	.65292	-0.17226E-01	2.0124
2.7512	0.72508E-01	61.071		

RHO VECTOR

.44902	.59976	-.12076	0.49503E-01	.38175
-0.19878E-01	.59826	.57379	.69101	.75977
1.4805	.46137	.19808	.19230	.24472
.37683	.58715	.23506	-.28307	

CONSTANT RHO = .63411

VARIANCES

.43405	.91866	.71533	0.74230E-01	.49756
.19622	0.77529E-01	.80253	.27918	1.9440
4.3045	.68323	.64639	0.94907E-01	1.4964
.21209	2.5590	.20261	.23238	

FINAL COEFFICIENTS

-5.8537	-5.0646	-.54272	2.4140	.36195
12.845	.15978	.12630	.32636	.21615
59.595	-19.782	-14.428	.19699	-1.3448
0.28605E-01	-3.7289	.27658	-0.69501E-02	1.4035
2.3643	0.57145E-01	9.7043		

FINAL SSE = 74.995

LOG-LIKELIHOOD FUNCTION = -92.0880

BUSE R-SQUARE = .7912 BUSE RAW-MOMENT R-SQUARE = .9429

VARIANCE OF THE ESTIMATE = 1.0416

STANDARD ERROR OF THE ESTIMATE = 1.0206

MEAN OF DEPENDENT VARIABLE = 4.4954

LOG OF THE LIKELIHOOD FUNCTION = -92.0880

MODEL SELECTION TESTS - SEE JUDGE ET.AL.(1985, P.242)

AKAIKE (1969) FINAL PREDICTION ERROR- FPE = 1.2938

(FPE ALSO KNOWN AS AMEMIYA PREDICTION CRITERION -PC)

AKAIKE (1973) INFORMATION CRITERION- AIC = .24775

SCHWARZ (1978) CRITERION-SC = .86606

ANALYSIS OF VARIANCE - FROM MEAN

	SS	DF	MS	F
REGRESSION	284.26	22.	12.921	12.405
ERROR	74.995	72.	1.0416	
TOTAL	359.25	94.	3.8218	

ANALYSIS OF VARIANCE - FROM ZERO

	SS	DF	MS	F
REGRESSION	1237.6	23.	53.808	51.659
ERROR	74.995	72.	1.0416	
TOTAL	1312.6	95.	13.817	

VARIABLE NAME	ESTIMATED COEFFICIENT	STANDARD ERROR	T-RATIO	PARTIAL CORR.	STANDARDIZED COEFFICIENT	ELASTICITY AT MEANS
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LINC10	-5.8537	5.3211	-1.1001	-.1286	-.85808	-1.9996
BACKWARD	-5.0646	5.2430	-.96598	-.1131	-.66905	-.60749
INV1	-.54272	.35085	-1.5469	-.1793	-.10879	-.21972
INV10	2.4140	.59452	4.0604	.4316	.44618	.64484
SCHOOL10	.36195	2.5234	.14344	.0169	0.11524E-01	0.51400E-01
UNIV10	12.845	4.5612	2.8161	.3150	.13764	.11780
AGDEMAND	.15978	.25616	.62376	.0733	0.60811E-01	0.64619E-01
MISERY	.12630	.20990	.60170	.0707	.13928	.27078
MILIT	.32636	0.85906E-01	3.7991	.4086	.17964	.22752
CORPTISM	.21615	.16405	1.3176	.1534	.11867	0.78452E-01
VOTERS	59.595	73.458	.81128	.0952	2.3072	10.469
VOTERSSQ	-19.782	108.57	-.18220	-.0215	-1.1105	-2.7998
VOTERSCU	-14.428	52.139	-.27673	-.0326	-.90993	-1.6712
TURNOVER	.19699	0.67476E-01	2.9194	.3253	.12521	.11278
POP514	-1.3448	.68797	-1.9547	-.2245	-1.0147	-5.0291
POP514SQ	0.28605E-01	0.19086E-01	1.4987	.1739	.76306	1.8291
POP65	-3.7289	1.9973	-1.8670	-.2149	-2.9563	-9.5208
POP65SQ	.27658	.17761	1.5572	.1805	4.9697	8.4324
POP65CU	-0.69501E-02	0.51998E-02	-1.3366	-.1556	-2.2074	-2.6173
ETHFRAC	1.4035	1.3000	1.0796	.1262	.10243	0.71481E-01
CATH	2.3643	.57553	4.1081	.4358	.30476	.20124
OPEN	0.57145E-01	0.91482E-02	6.2466	.5928	.48537	.67561
CONSTANT	9.7043	20.625	.47050	.0554	.00000	2.1587

OBS. NO.	OBSERVED VALUE	PREDICTED VALUE	CALCULATED RESIDUAL
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1	3.9201	4.0758	-.15572			*I
2	1.5362	1.9709	-.43473			* I
3	3.4687	2.8585	.61018			I *
4	4.4357	2.8094	1.6263			I *
5	2.3526	2.6949	-.34225			* I
6	4.0983	2.4065	1.6918			I *
7	1.3654	1.2710	0.94446E-01			I*
8	1.0198	1.9782	-.95837			* I
9	1.8140	2.6866	-.87262			* I
10	2.3364	2.3023	0.34155E-01			*
11	4.8729	3.2410	1.6320			I *
12	2.2822	2.3245	-0.42379E-01			*
13	1.9897	2.3647	-.37491			* I
14	4.3129	3.1017	1.2112			I *
15	2.9043	3.4456	-.54131			* I
16	4.3707	4.2728	0.97813E-01			I*
17	2.1782	3.0769	-.89862			* I
18	3.0260	2.4405	.58548			I *
19	5.2704	4.5932	.67717			I *
20	4.5426	4.8251	-.28245			* I
21	4.8781	4.5123	.36579			I *
22	1.9822	2.0335	-0.51276E-01			*
23	2.0472	2.6979	-.65070			* I
24	2.5340	1.9568	.57720			I *
25	1.1198	2.4209	-1.3011			* I
26	5.4463	5.8592	-.41296			* I
27	3.8864	2.2085	1.6779			I *
28	3.5303	3.2328	.29749			I *
29	4.3810	5.0796	-.69862			* I
30	4.8699	3.7157	1.1542			I *
31	5.0265	5.2534	-.22699			*I

32	2.3066	2.2710	0.35618E-01		*			
33	4.8662	4.6708	.19539		I*			
34	6.8994	7.1124	-.21307		*I			
35	4.4556	4.1113	.34423		I	*		
36	1.2429	1.5351	-.29218		* I			
37	.40954	1.4816	-1.0721		*	I		
38	.46698	2.1468	-1.6798	*		I		
39	1.8196	1.7924	0.27186E-01		*			
40	1.2745	1.5233	-.24877		*I			
41	5.1805	6.2286	-1.0481		*	I		
42	2.1864	2.7183	-.53194		*	I		
43	3.4332	4.2690	-.83579		*	I		
44	3.4115	4.3278	-.91628		*	I		
45	5.0166	4.8843	.13222			I*		
46	4.4921	4.2029	.28921			I	*	
47	3.2875	2.3430	.94453			I		*
48	2.9667	2.9289	0.37763E-01		*			
49	5.4857	3.3958	2.0899			I		*
50	5.2631	3.1951	2.0680			I		*
51	1.6659	1.1836	.48232			I	*	
52	1.2269	.46195	.76497			I	*	
53	1.8935	1.0365	.85695			I	*	
54	2.6729	1.5385	1.1345			I	*	
55	3.2641	1.2723	1.9918			I		*
56	3.5080	2.3930	1.1151			I	*	
57	2.1681	1.5871	.58098			I	*	
58	1.7370	1.2432	.49374			I	*	
59	2.6408	3.4599	-.81912		*	I		
60	3.2608	3.8324	-.57162		*	I		
61	1.4042	1.2946	.10958			I*		
62	1.0003	1.6681	-.66783		*	I		
63	.48880	1.6863	-1.1975		*	I		
64	.70297	2.5632	-1.8602	*		I		
65	1.0852	.94858	.13664			I*		
66	8.5087	8.4015	.10720			I*		
67	5.6168	5.6239	-0.71281E-02		*			
68	6.2637	5.3060	.95767			I	*	
69	10.472	10.598	-.12541			*I		
70	7.7222	8.2085	-.48626		*	I		
71	3.9190	3.5974	.32163			I	*	
72	3.0398	2.0288	1.0109			I	*	
73	3.9149	2.6403	1.2746			I	*	
74	4.2404	2.7852	1.4552			I	*	
75	1.3117	2.4932	-1.1816	*		I		
76	4.1808	3.7111	.46964			I	*	
77	1.2183	1.6052	-.38696		*	I		
78	1.6351	2.6397	-1.0046		*	I		
79	2.4146	4.0390	-1.6243	*		I		
80	2.9453	2.6539	.29142			I	*	
81	1.1021	2.4965	-1.3944	*		I		
82	.58400	1.4124	-.82841		*	I		
83	2.2197	1.4528	.76691			I	*	
84	1.2574	2.0935	-.83617		*	I		
85	1.9816	1.2748	.70675			I	*	
86	5.5315	5.7376	-.20610			*I		
87	4.7724	3.7487	1.0237			I	*	
88	4.5834	5.6882	-1.1048	*		I		

89	6.7471	5.8904	.85665		I	*
90	5.3904	5.4831	-0.92769E-01		*I	
91	1.2832	2.1283	-.84506	*	I	
92	.77316	.84717	-0.74008E-01		*	
93	.58495	.89759	-.31263		*I	
94	1.0939	-0.29514E-02	1.0969		I	*
95	.72157	1.3375	-.61593	*	I	

DURBIN-WATSON = 1.6134 VON NEUMAN RATIO = 1.6306 RHO = .19156
RESIDUAL SUM = 5.1768 RESIDUAL VARIANCE = 1.0416
SUM OF ABSOLUTE ERRORS= 67.829
R-SQUARE BETWEEN OBSERVED AND PREDICTED = .7941
RUNS TEST: 51 RUNS, 48 POSITIVE, 47 NEGATIVE, NORMAL STATISTIC = .5169

_POOL HEALTH LINC10 BACKWARD INV1 INV10 SCHOOL10 UNIV10 &
AGDEMAND MISERY MILIT &
CORPTISM VOTERS VOTERSSQ VOTERSCU &
TURNOVER POP514 POP514SQ POP65 POP65SQ POP65CU &
ETHFRAC CATH OPEN / NC = 19 SAME LIST
POOLED CROSS-SECTION TIME-SERIES ESTIMATION
19 CROSS-SECTIONS AND 5 TIME-PERIODS
DEPENDENT VARIABLE = HEALTH
...WARNING..TOO FEW DEGREES OF FREEDOM, DN OPTION USED

OLS COEFFICIENTS

-2.3857	-3.7810	-.49432	1.1303	2.5354
-6.4105	0.75888E-01	.19802	-0.99745E-01	-.20971
108.18	-151.59	69.077	0.98237E-01	-2.7804
0.74495E-01	2.2613	-.22984	0.73557E-02	-3.6509
.35959	0.19943E-01	-.32336		

RHO VECTOR

.98199	.94799	-.99172	.68814	.69188
1.1124	.20858	.81956	1.2170	1.1157
.69969	.61813	.26675	1.1073	.31006
.64177	.65250	1.1131	.46485	

CONSTANT RHO = .78623

VARIANCES

.28411	.12585	.13776	.12601	0.90773E-01
0.36674E-01	0.42409E-01	.18206	.21653	0.38431E-01
.19665	.12630	.14077	.24259	.20411
.14804	.17609	.38777	0.36596E-01	

FINAL COEFFICIENTS

5.2416	3.7549	-.14324	0.57619E-01	3.6639
-4.0166	.22316	-0.62459E-01	-0.89270E-01	-.16276
-38.437	47.020	-18.228	0.55483E-01	-.61774
0.16046E-01	0.88950E-01	-0.14321E-01	0.57896E-03	-3.9884
.60532	0.14784E-01	8.3069		

FINAL SSE = 88.042

LOG-LIKELIHOOD FUNCTION = -42.0671

BUSE R-SQUARE = .8278 BUSE RAW-MOMENT R-SQUARE = .9617

VARIANCE OF THE ESTIMATE = 1.2228

STANDARD ERROR OF THE ESTIMATE = 1.1058

MEAN OF DEPENDENT VARIABLE = 4.3163

LOG OF THE LIKELIHOOD FUNCTION = -42.0671

MODEL SELECTION TESTS - SEE JUDGE ET.AL.(1985, P.242)
 AKAIKE (1969) FINAL PREDICTION ERROR- FPE = 1.5189
 (FPE ALSO KNOWN AS AMEMIYA PREDICTION CRITERION -PC)
 AKAIKE (1973) INFORMATION CRITERION- AIC = .40815
 SCHWARZ(1978) CRITERION-SC = 1.0265

ANALYSIS OF VARIANCE - FROM MEAN				
	SS	DF	MS	F
REGRESSION	423.22	22.	19.237	15.732
ERROR	88.042	72.	1.2228	
TOTAL	511.26	94.	5.4390	

ANALYSIS OF VARIANCE - FROM ZERO				
	SS	DF	MS	F
REGRESSION	2211.7	23.	96.163	78.641
ERROR	88.042	72.	1.2228	
TOTAL	2299.8	95.	24.208	

VARIABLE NAME	ESTIMATED COEFFICIENT	STANDARD ERROR	T-RATIO 72 DF	PARTIAL CORR.	STANDARDIZED COEFFICIENT	ELASTICITY AT MEANS
LINC10	5.2416	3.4701	1.5105	.1753	1.6353	1.8648
BACKWARD	3.7549	3.4408	1.0913	.1276	1.0557	.46907
INV1	-.14324	.25219	-.56798	-.0668	-0.61112E-01	-0.60396E-01
INV10	0.57619E-01	.40540	.14213	.0167	0.22666E-01	0.16030E-01
SCHOOL10	3.6639	1.7413	2.1042	.2407	.24828	.54189
UNIV10	-4.0166	3.3708	-1.1916	-.1391	-0.91609E-01	-0.38366E-01
AGDEMAND	.22316	.16888	1.3214	.1539	.18075	0.93991E-01
MISERY	-0.62459E-01	.13382	-.46675	-.0549	-.14660	-.13947
MILIT	-0.89270E-01	0.71475E-01	-1.2490	-.1456	-.10458	-0.64813E-01
CORPTISM	-.16276	.13160	-1.2368	-.1442	-.19019	-0.61525E-01
VOTERS	-38.437	43.998	-.87362	-.1024	-3.1672	-7.0321
VOTERSSQ	47.020	64.583	.72806	.0855	5.6179	6.9310
VOTERSCU	-18.228	30.718	-.59342	-.0698	-2.4467	-2.1990
TURNOVER	0.55483E-01	0.37636E-01	1.4742	.1712	0.75057E-01	0.33083E-01
POP514	-.61774	.49957	-1.2365	-.1442	-.99203	-2.4060
POP514SQ	0.16046E-01	0.14104E-01	1.1377	.1329	.91098	1.0686
POP65	0.88950E-01	1.8443	0.48229E-01	.0057	.15009	.23653
POP65SQ	-0.14321E-01	.16543	-0.86570E-01	-.0102	-.54769	-.45475
POP65CU	0.57896E-03	0.48851E-02	.11852	.0140	.39135	.22707
ETHFRAC	-3.9884	.96435	-4.1358	-.4381	-.61950	-.21155
CATH	.60532	.41769	1.4492	.1684	.16606	0.53661E-01
OPEN	0.14784E-01	0.70486E-02	2.0974	.2400	.26724	.18203
CONSTANT	8.3069	13.621	.60986	.0717	.00000	1.9245
OBS. NO.	OBSERVED VALUE	PREDICTED VALUE	CALCULATED RESIDUAL			
1	3.3736	2.2711	1.1025		I	*
2	3.1745	2.0480	1.1265		I	*
3	4.0727	1.6176	2.4550		I	*
4	2.5008	2.7632	-.26237		*I	
5	2.0557	2.2373	-.18161		*I	
6	5.8526	5.2187	.63393		I	*
7	3.5468	3.2265	.32028		I	*
8	4.0413	3.8416	.19974		I*	

9	5.1640	4.5150	.64899		I	*	
10	5.3218	3.5545	1.7673		I		*
11	5.5772	5.6755	-0.98250E-01		*I		
12	3.4651	3.1030	.36214		I	*	
13	4.6556	4.0177	.63788		I	*	
14	6.8386	4.9483	1.8902		I		*
15	3.9363	4.8125	-.87619	*	I		
16	4.2300	4.2702	-0.40180E-01		*		
17	2.4775	3.6259	-1.1484	*	I		
18	2.4126	4.0042	-1.5917	*	I		
19	4.5129	4.9318	-.41889		*I		
20	4.0708	3.9715	0.99338E-01		I*		
21	7.5887	7.3046	.28404		I*		
22	4.9818	4.1993	.78254		I	*	
23	6.1494	5.1043	1.0451		I	*	
24	5.1355	6.5417	-1.4062	*	I		
25	4.8622	5.3435	-.48133		*I		
26	11.068	10.031	1.0363		I	*	
27	5.8131	5.6894	.12364		I*		
28	5.5584	6.2751	-.71665	*	I		
29	8.8139	8.5720	.24189		I*		
30	6.0740	7.6416	-1.5676	*	I		
31	4.5910	5.6753	-1.0844	*	I		
32	5.5215	4.5836	.93796		I	*	
33	5.3426	5.1828	.15983		I*		
34	6.1597	6.7530	-.59333	*	I		
35	5.4644	5.0612	.40313		I	*	
36	4.0550	4.3073	-.25230		*I		
37	1.3559	2.6929	-1.3369	*	I		
38	2.7756	3.3583	-.58273		*I		
39	5.4148	4.2299	1.1849		I	*	
40	1.9694	3.0839	-1.1145	*	I		
41	3.9573	4.6642	-.70692	*	I		
42	1.9707	2.2846	-.31387		*I		
43	1.6481	3.0648	-1.4168	*	I		
44	3.1845	3.7991	-.61464		*I		
45	2.8076	3.7094	-.90179	*	I		
46	8.4477	8.6279	-.18018		*I		
47	5.3709	5.7374	-.36645		*I		
48	6.1494	7.3909	-1.2415	*	I		
49	8.1046	7.9573	.14732		I*		
50	8.3649	7.5864	.77844		I	*	
51	5.5181	5.2161	.30198		I	*	
52	4.3669	2.9271	1.4398		I		*
53	3.1109	3.4114	-.30048		*I		
54	3.5261	4.4098	-.88372	*	I		
55	2.6462	3.5063	-.86016	*	I		
56	4.5903	4.3274	.26292		I*		
57	4.9364	3.3245	1.6120		I		*
58	3.6263	3.7890	-.16275		*I		
59	4.5562	4.3633	.19288		I*		
60	3.3171	4.9437	-1.6267	*	I		
61	3.3434	2.8395	.50383		I	*	
62	1.6097	2.3293	-.71958		*I		
63	1.3068	2.9174	-1.6106	*	I		
64	2.3843	3.6997	-1.3154	*	I		
65	3.6631	3.0273	.63577		I	*	

66	4.0022	4.8576	-.85546	*	I			
67	2.6433	2.8534	-.21013		*I			
68	3.8057	3.0273	.77839		I	*		
69	4.9561	4.2211	.73496		I	*		
70	5.5231	3.8317	1.6914		I		*	
71	3.6245	4.9662	-1.3416	*	I			
72	4.2641	3.1771	1.0870		I		*	
73	4.1108	2.9149	1.1959		I		*	
74	4.0749	3.9108	.16411		I*			
75	4.1072	3.4621	.64506		I	*		
76	5.4123	5.4410	-0.28681E-01		*			
77	2.5221	3.0551	-.53300	*	I			
78	1.8813	3.7137	-1.8324	*	I			
79	4.0887	4.4179	-.32920		*I			
80	3.4991	3.4281	0.71009E-01		*			
81	4.5649	5.2773	-.71242	*	I			
82	3.2473	3.7205	-.47321	*	I			
83	5.2959	3.8683	1.4275		I		*	
84	5.7044	4.0915	1.6129		I		*	
85	3.9734	3.6089	.36447		I	*		
86	4.0685	2.9756	1.0929		I		*	
87	3.6718	2.3085	1.3633		I		*	
88	3.3850	2.3448	1.0402		I		*	
89	3.8809	3.0454	.83547		I	*		
90	4.3664	2.5280	1.8383		I			*
91	7.8817	7.9026	-0.20892E-01		*			
92	5.9676	5.7545	.21307		I*			
93	5.7195	7.0123	-1.2928	*	I			
94	10.759	9.6516	1.1074		I		*	
95	8.4069	8.5743	-.16741		*I			

DURBIN-WATSON = 1.5699 VON NEUMAN RATIO = 1.5866 RHO = .20805
RESIDUAL SUM = 5.8093 RESIDUAL VARIANCE = 1.2228
SUM OF ABSOLUTE ERRORS= 75.354
R-SQUARE BETWEEN OBSERVED AND PREDICTED = .7460
RUNS TEST: 40 RUNS, 49 POSITIVE, 46 NEGATIVE, NORMAL STATISTIC = -
1.7455

_POOL TRANS LINC10 BACKWARD INV1 INV10 SCHOOL10 UNIV10 &
AGDEMAND MISERY MILIT &
CORPTISM VOTERS VOTERSSQ VOTERSCU &
TURNOVER POP514 POP514SQ POP65 POP65SQ POP65CU &
ETHFRAC CATH OPEN / NC = 19 SAME LIST
POOLED CROSS-SECTION TIME-SERIES ESTIMATION
19 CROSS-SECTIONS AND 5 TIME-PERIODS
DEPENDENT VARIABLE = TRANS
...WARNING...TOO FEW DEGREES OF FREEDOM, DN OPTION USED

OLS COEFFICIENTS

22.437	19.179	-2.9640	5.4581	-8.8389
3.0799	1.3918	-.47671	.41959	1.2958
55.145	46.195	-67.404	.51210	-4.6006
.11482	-3.4350	.23241	-0.53558E-02	-1.1356
7.2720	0.23709E-01	-8.3756		

RHO VECTOR

.40481	.63291	.37872	1.3210	.54838
.57349	-.35199	1.0259	.77935	.50020
.88264	.67056	.40524	.48058	.86833
.20978	.50761	.44394	.19079	

CONSTANT RHO = .59224

VARIANCES

1.5739	2.4014	3.4993	.89577	.45361
.51932	.29476	3.8012	.89334	3.7957
2.6730	1.3759	3.3390	.28194	3.1226
1.1700	4.5270	.53679	.98793	

FINAL COEFFICIENTS

8.7081	7.3767	-1.7885	4.7282	5.7421
11.969	.99618	-.27093	.50625	.85640
25.142	19.441	-22.196	.42799	-1.7459
0.33496E-01	-4.4143	.31812	-0.70298E-02	-1.3436
5.8193	0.63426E-01	.76199		

FINAL SSE = 81.756

LOG-LIKELIHOOD FUNCTION = -146.207

BUSE R-SQUARE = .9191 BUSE RAW-MOMENT R-SQUARE = .9879

VARIANCE OF THE ESTIMATE = 1.1355

STANDARD ERROR OF THE ESTIMATE = 1.0656

MEAN OF DEPENDENT VARIABLE = 15.391

LOG OF THE LIKELIHOOD FUNCTION = -146.207

MODEL SELECTION TESTS - SEE JUDGE ET.AL.(1985, P.242)

AKAIKE (1969) FINAL PREDICTION ERROR- FPE = 1.4104

(FPE ALSO KNOWN AS AMEMIYA PREDICTION CRITERION -PC)

AKAIKE (1973) INFORMATION CRITERION- AIC = .33408

SCHWARZ (1978) CRITERION-SC = .95238

ANALYSIS OF VARIANCE - FROM MEAN

	SS	DF	MS	F
REGRESSION	929.15	22.	42.234	37.194
ERROR	81.756	72.	1.1355	
TOTAL	1010.9	94.	10.754	

ANALYSIS OF VARIANCE - FROM ZERO

	SS	DF	MS	F
REGRESSION	6692.2	23.	290.96	256.242
ERROR	81.756	72.	1.1355	
TOTAL	6773.9	95.	71.305	

VARIABLE NAME	ESTIMATED COEFFICIENT	STANDARD ERROR	T-RATIO	PARTIAL CORR.	STANDARDIZED COEFFICIENT	ELASTICITY AT MEANS
			72 DF			
LINC10	8.7081	10.380	.83890	.0984	.63773	.86882
BACKWARD	7.3767	10.284	.71731	.0842	.48684	.25843
INV1	-1.7885	.70156	-2.5493	-.2877	-.17911	-.21148
INV10	4.7282	1.1462	4.1251	.4372	.43661	.36890
SCHOOL10	5.7421	4.8828	1.1760	.1373	0.91334E-01	.23816
UNIV10	11.969	8.5529	1.3995	.1627	0.64080E-01	0.32062E-01
AGDEMAND	.99618	.49861	1.9979	.2292	.18941	.11767
MISERY	-.27093	.40731	-.66517	-.0782	-.14927	-.16966
MILIT	.50625	.16540	3.0608	.3393	.13921	.10308
CORPTISM	.85640	.29061	2.9468	.3281	.23490	0.90783E-01

VOTERS	25.142	128.71	.19534	.0230	.48629	1.2899
VOTERSSQ	19.441	187.41	.10373	.0122	.54522	.80363
VOTERSCU	-22.196	88.809	-.24994	-.0294	-.69933	-.75092
TURNOVER	.42799	.12281	3.4849	.3799	.13591	0.71566E-01
POP514	-1.7459	1.2939	-1.3493	-.1570	-.65814	-1.9070
POP514SQ	0.33496E-01	0.36123E-01	.92727	.1086	.44639	.62555
POP65	-4.4143	4.0618	-1.0868	-.1270	-1.7484	-3.2919
POP65SQ	.31812	.35581	.89407	.1048	2.8557	2.8327
POP65CU	-0.70298E-02	0.10239E-01	-.68658	-.0807	-1.1154	-.77319
ETHFRAC	-1.3436	2.4027	-.55922	-.0658	-0.48989E-01	-0.19986E-01
CATH	5.8193	.97576	5.9638	.5750	.37474	.14467
OPEN	0.63426E-01	0.16650E-01	3.8095	.4096	.26914	.21901
CONSTANT	.76199	40.571	0.18782E-01	.0022	.00000	0.49507E-01
OBS.	OBSERVED	PREDICTED	CALCULATED			
NO.	VALUE	VALUE	RESIDUAL			
1	5.9153	5.6926	.22270		I*	
2	3.7188	3.5211	.19772		I*	
3	5.5609	3.9458	1.6151		I	*
4	5.7938	5.5285	.26526		I*	
5	4.7953	5.3974	-.60211		* I	
6	8.0855	6.1710	1.9145		I	*
7	4.8726	3.6904	1.1821		I	*
8	4.5134	4.3799	.13344		I*	
9	5.9494	5.7217	.22763		I*	
10	7.1535	5.5609	1.5927		I	*
11	7.9428	6.0763	1.8665		I	*
12	4.9337	4.0325	.90111		I	*
13	4.6649	4.8703	-.20539		*I	
14	7.3688	5.9305	1.4382		I	*
15	5.5863	6.0577	-.47144		* I	
16	4.4015	4.2235	.17794		I*	
17	2.6289	4.0716	-1.4427		* I	
18	3.0990	3.9266	-.82754		* I	
19	6.1137	6.1617	-0.47997E-01		*	
20	6.4995	7.3060	-.80650		* I	
21	17.539	18.034	-.49521		* I	
22	11.682	10.909	.77333		I	*
23	12.782	13.043	-.26095		*I	
24	14.130	13.923	.20776		I*	
25	14.323	14.912	-.58946		* I	
26	12.434	12.028	.40589		I *	
27	8.3874	6.8147	1.5728		I	*
28	8.2427	8.3908	-.14807		*I	
29	10.799	11.315	-.51626		* I	
30	10.330	11.343	-1.0130		* I	
31	11.680	12.483	-.80304		* I	
32	7.6423	7.5320	.11025		I*	
33	10.945	10.875	0.70730E-01		*	
34	13.447	13.600	-.15243		*I	
35	11.423	10.960	.46392		I	*
36	3.1616	3.2548	-0.93170E-01		*I	
37	1.3691	2.8172	-1.4481		* I	
38	1.9316	3.5339	-1.6023		* I	
39	3.9670	4.7005	-.73352		* I	
40	2.8635	3.7619	-.89838		* I	
41	14.672	14.606	0.65348E-01		*	
42	8.6097	8.6266	-0.16878E-01		*	

43	8.5216	10.087	-1.5651	*	I	
44	10.274	11.111	-.83662		*	I
45	11.751	11.748	0.27414E-02			*
46	6.2492	7.9078	-1.6586	*		I
47	4.6972	4.7479	-0.50774E-01			*
48	4.9021	5.6610	-.75891		*	I
49	7.5120	6.2901	1.2219		I	*
50	7.5415	6.4850	1.0565		I	*
51	6.5449	5.9036	.64132		I	*
52	4.9635	3.8053	1.1582		I	*
53	6.4015	5.1356	1.2659		I	*
54	7.1665	7.0657	.10075		I*	
55	7.9089	6.5738	1.3351		I	*
56	7.0137	6.0010	1.0126		I	*
57	5.9194	4.5648	1.3545		I	*
58	5.7945	5.2237	.57085		I	*
59	7.6544	7.3861	.26837		I*	
60	7.8606	9.0142	-1.1536	*		I
61	3.3557	2.3297	1.0260		I	*
62	2.4972	2.4139	0.83330E-01		*	
63	1.8106	2.8429	-1.0323	*		I
64	2.1011	3.7588	-1.6577	*		I
65	3.1258	2.8995	.22628			I*
66	14.098	14.682	-.58460		*	I
67	9.6014	10.347	-.74607		*	I
68	11.888	10.933	.95520		I	*
69	16.787	16.552	.23529		I*	
70	16.319	16.030	.28895		I	*
71	7.0769	7.5858	-.50888	*		I
72	6.1619	5.1901	.97171		I	*
73	6.7387	5.0816	1.6571		I	*
74	7.7896	6.4507	1.3388		I	*
75	6.4402	6.4368	0.33784E-02		*	
76	7.4345	6.4442	.99031		I	*
77	3.6144	3.6791	-0.64755E-01		*	
78	3.5910	5.2486	-1.6576	*		I
79	6.0882	6.7416	-.65337		*	I
80	7.1259	6.7452	.38068		I	*
81	3.5750	5.5920	-2.0170	*		I
82	3.1533	4.3196	-1.1663		*	I
83	4.9516	4.4596	.49203		I	*
84	4.3410	4.4567	-.11562		*	I
85	4.5682	4.5957	-0.27497E-01		*	
86	13.527	13.999	-.47125		*	I
87	11.268	11.208	0.60166E-01		*	
88	11.979	13.042	-1.0632	*		I
89	15.685	15.691	-0.59318E-02		*	
90	17.249	15.961	1.2880		I	*
91	5.0829	5.4162	-.33334		*	I
92	4.0009	4.4765	-.47562		*	I
93	4.7243	5.2617	-.53737		*	I
94	7.9197	6.2804	1.6394		I	*
95	6.4728	7.4430	-.97023	*		I

DURBIN-WATSON = 1.4310 VON NEUMAN RATIO = 1.4462 RHO = .28169
 RESIDUAL SUM = 3.7440 RESIDUAL VARIANCE = 1.1355
 SUM OF ABSOLUTE ERRORS= 70.317

R-SQUARE BETWEEN OBSERVED AND PREDICTED = .9432
 RUNS TEST: 42 RUNS, 49 POSITIVE, 46 NEGATIVE, NORMAL STATISTIC = -
 1.3325

_POOL EDUC LINC10 BACKWARD INV1 INV10 SCHOOL10 UNIV10 &
 AGDEMAND MISERY MILIT &
 CORPTISM VOTERS VOTERSSQ VOTERSCU &
 TURNOVER POP514 POP514SQ POP65 POP65SQ POP65CU &
 ETHFRAC CATH OPEN / NC = 19 SAME LIST
 POOLED CROSS-SECTION TIME-SERIES ESTIMATION
 19 CROSS-SECTIONS AND 5 TIME-PERIODS
 DEPENDENT VARIABLE = EDUC
 ...WARNING..TOO FEW DEGREES OF FREEDOM, DN OPTION USED

OLS COEFFICIENTS

-4.6093	-6.2016	-.80936	2.7673	-.98785
12.514	.41519	-0.76519E-01	0.23676E-01	-.33956
174.85	-224.59	94.536	0.82411E-01	-.27463
0.14284E-03	-6.5320	.53663	-0.15000E-01	-2.3158
-0.60142E-01	0.52817E-01	-1.2312		

RHO VECTOR

.46567	.73223	1.0073	-.12930	.21931
1.2897	.12909	.49851	.60498	-.17996
.73335	.61714	.69003	.59911	.50296
.77668	.34604	.57120	.51101	

CONSTANT RHO = .62422

VARIANCES

.34766	.11739	.18372	.12286	0.74020E-01
0.97366E-01	0.68629E-01	.36807	.31148	0.97964E-01
.29678	.81570	.27732	0.95469E-01	0.56993E-01
.36089	0.68767E-01	.49701	.31962	

FINAL COEFFICIENTS

1.3759	-.13226	-.42819	1.5736	3.4259
4.0067	.54166	-.22494	.10574	-.19417
61.364	-79.855	34.802	.11949	0.89599E-01
-0.69391E-02	-5.1563	.41889	-0.11478E-01	-1.8733
.51621	0.42016E-01	4.3678		

FINAL SSE = 83.376

LOG-LIKELIHOOD FUNCTION = -51.9363
 BUSE R-SQUARE = .7987 BUSE RAW-MOMENT R-SQUARE = .9831
 VARIANCE OF THE ESTIMATE = 1.1580
 STANDARD ERROR OF THE ESTIMATE = 1.0761
 MEAN OF DEPENDENT VARIABLE = 5.0984
 LOG OF THE LIKELIHOOD FUNCTION = -51.9363

MODEL SELECTION TESTS - SEE JUDGE ET.AL.(1985, P.242)
 AKAIKE (1969) FINAL PREDICTION ERROR- FPE = 1.4384
 (FPE ALSO KNOWN AS AMEMIYA PREDICTION CRITERION -PC)
 AKAIKE (1973) INFORMATION CRITERION- AIC = .35369
 SCHWARZ (1978) CRITERION-SC = .97200

ANALYSIS OF VARIANCE - FROM MEAN				
	SS	DF	MS	F
REGRESSION	330.87	22.	15.040	12.988

ERROR	83.376	72.	1.1580
TOTAL	414.25	94.	4.4069

ANALYSIS OF VARIANCE - FROM ZERO

	SS	DF	MS	F
REGRESSION	4861.3	23.	211.36	182.524
ERROR	83.376	72.	1.1580	
TOTAL	4944.7	95.	52.050	

VARIABLE NAME	ESTIMATED COEFFICIENT	STANDARD ERROR	T-RATIO 72 DF	PARTIAL CORR.	STANDARDIZED COEFFICIENT	ELASTICITY AT MEANS
LINC10	1.3759	4.2446	.32415	.0382	.39915	.41441
BACKWARD	-.13226	4.1547	-0.31833E-01	-.0038	-0.34577E-01	-0.13987E-01
INV1	-.42819	.27499	-1.5571	-.1805	-.16987	-.15285
INV10	1.5736	.49259	3.1945	.3523	.57561	.37064
SCHOOL10	3.4259	1.9942	1.7180	.1984	.21587	.42897
UNIV10	4.0067	3.6938	1.0847	.1268	0.84972E-01	0.32400E-01
AGDEMAND	.54166	.19766	2.7403	.3073	.40797	.19315
MISERY	-.22494	.16445	-1.3678	-.1591	-.49091	-.42522
MILIT	.10574	0.67987E-01	1.5553	.1803	.11519	0.64996E-01
CORPTISM	-.19417	.12040	-1.6127	-.1867	-.21098	-0.62137E-01
VOTERS	61.364	59.627	1.0291	.1204	4.7017	9.5044
VOTERSSQ	-79.855	85.588	-.93301	-.1093	-8.8718	-9.9653
VOTERSCU	34.802	39.987	.87032	.1020	4.3436	3.5543
TURNOVER	.11949	0.38492E-01	3.1043	.3436	.15031	0.60319E-01
POP514	0.89599E-01	.57416	.15605	.0184	.13380	.29545
POP514SQ	-0.69391E-02	0.16105E-01	-.43085	-.0507	-.36633	-.39122
POP65	-5.1563	1.8395	-2.8031	-.3137	-8.0904	-11.608
POP65SQ	.41889	.16664	2.5138	.2841	14.896	11.261
POP65CU	-0.11478E-01	0.49747E-02	-2.3072	-.2624	-7.2143	-3.8110
ETHFRAC	-1.8733	.84998	-2.2039	-.2514	-.27056	-0.84119E-01
CATH	.51621	.38178	1.3521	.1574	.13169	0.38741E-01
OPEN	0.42016E-01	0.64321E-02	6.5322	.6100	.70626	.43798
CONSTANT	4.3678	18.698	.23360	.0275	.00000	.85669
OBS. NO.	OBSERVED VALUE	PREDICTED VALUE	CALCULATED RESIDUAL			
1	5.5782	6.0461	-.46792		* I	
2	6.0751	4.3852	1.6899		I	*
3	4.5514	3.7831	.76825		I	*
4	3.6890	4.3034	-.61441		* I	
5	3.7416	3.2088	.53281		I	*
6	9.0295	8.6577	.37178		I	*
7	6.2111	5.4498	.76129		I	*
8	6.9130	6.2098	.70327		I	*
9	7.3231	6.7404	.58271		I	*
10	6.1642	6.6884	-.52422		* I	
11	5.5045	6.4215	-.91700		* I	
12	4.3041	5.5031	-1.1990		* I	
13	5.0432	5.5991	-.55588		* I	
14	5.4762	5.8105	-.33428		* I	
15	4.2817	5.1270	-.84527		* I	
16	8.5812	8.2645	.31668		I	*
17	3.9849	5.0520	-1.0671		* I	
18	4.2166	4.8220	-.60538		* I	
19	6.8664	5.0980	1.7685		I	*

20	5.6703	5.9503	-.28000		*I	
21	10.969	10.305	.66386		I	*
22	7.0772	6.9906	0.86610E-01		*	
23	8.0848	9.0549	-.97002		I	
24	6.8644	8.1317	-1.2673	*	I	
25	9.2949	8.1336	1.1614		I	*
26	10.766	10.987	-.22095		*I	
27	7.2615	6.8424	.41916		I	*
28	7.9161	7.2357	.68046		I	*
29	8.8751	7.6062	1.2689		I	*
30	5.3355	5.7811	-.44555		*I	
31	12.674	12.991	-.31688		*I	
32	8.0813	7.4059	.67543		I	*
33	10.125	8.9728	1.1523		I	*
34	9.7173	9.6467	0.70547E-01		*	
35	6.9749	7.6407	-.66581		I	
36	4.1207	5.3188	-1.1981	*	I	
37	2.7238	3.9819	-1.2581	*	I	
38	3.7113	4.4843	-.77303		I	
39	5.5255	4.1921	1.3334		I	*
40	3.3334	3.6644	-.33102		*I	
41	3.0096	4.1812	-1.1715		I	
42	2.0389	3.1978	-1.1589		I	
43	2.2969	3.9030	-1.6061	*	I	
44	3.0522	3.1724	-.12017		*I	
45	2.9814	3.5277	-.54630		I	
46	12.805	12.761	0.43520E-01		*	
47	8.3317	8.6354	-.30378		*I	
48	8.6369	10.272	-1.6353	*	I	
49	11.402	9.8884	1.5135		I	*
50	10.434	9.5834	.85088		I	*
51	7.0843	6.3040	.78032		I	*
52	5.8122	3.8505	1.9617		I	*
53	6.3487	5.0700	1.2787		I	*
54	5.8661	5.7169	.14922		I*	
55	5.6120	4.7677	.84437		I	*
56	5.7350	3.2838	2.4512		I	*
57	2.7918	2.3580	.43374		I	*
58	2.6603	2.1558	.50447		I	*
59	3.0505	2.5433	.50723		I	*
60	2.2190	3.0620	-.84303		I	
61	2.5813	2.3957	.18560		I*	
62	1.6024	2.6791	-1.0767		I	
63	1.1873	2.6337	-1.4464	*	I	
64	1.6477	3.3506	-1.7030	*	I	
65	2.2129	2.0590	.15389		I*	
66	9.8104	9.9417	-.13129		*I	
67	7.3080	6.7273	.58068		I	*
68	7.5042	6.5165	.98769		I	*
69	8.4441	9.0765	-.63235	*	I	
70	8.8341	8.5043	.32984		I	*
71	17.901	17.434	.46625		I	*
72	12.883	11.765	1.1178		I	*
73	11.347	11.697	-.34985		I	
74	13.028	12.523	.50569		I	*
75	11.328	12.346	-1.0177	*	I	
76	3.8494	5.7744	-1.9250	*	I	

77	2.7338	3.4314	-.69761	*	I		
78	2.7990	3.9649	-1.1659	*	I		
79	3.4299	4.0049	-.57494	*	I		
80	2.6796	3.4834	-.80384	*	I		
81	15.968	16.087	-.11822		*I		
82	11.189	10.910	.27887		I*		
83	10.486	11.123	-.63612	*	I		
84	9.8631	10.989	-1.1258	*	I		
85	8.7956	8.2958	.49975		I	*	
86	5.7292	3.8024	1.9269		I		*
87	3.8905	3.0276	.86288		I	*	
88	3.3240	3.6045	-.28049		*I		
89	2.9092	3.4424	-.53320	*	I		
90	4.0207	2.7833	1.2373		I		*
91	4.4773	5.0135	-.53615	*	I		
92	3.1618	3.9005	-.73868	*	I		
93	3.8768	4.3507	-.47396	*	I		
94	4.8065	3.4684	1.3381		I		*
95	3.5077	3.6254	-.11765		*I		

DURBIN-WATSON = 1.4030 VON NEUMAN RATIO = 1.4180 RHO = .29714
RESIDUAL SUM = -1.5301 RESIDUAL VARIANCE = 1.1580
SUM OF ABSOLUTE ERRORS= 75.124
R-SQUARE BETWEEN OBSERVED AND PREDICTED = .9247
RUNS TEST: 41 RUNS, 45 POSITIVE, 50 NEGATIVE, NORMAL STATISTIC = -
1.5243

_POOL NONSOC LINC10 BACKWARD INV1 INV10 SCHOOL10 UNIV10 &
AGDEMAND MISERY MILIT &
CORPTISM VOTERS VOTERSSQ VOTERSCU &
TURNOVER POP514 POP514SQ POP65 POP65SQ POP65CU &
ETHFRAC CATH OPEN / NC = 19 SAME LIST
POOLED CROSS-SECTION TIME-SERIES ESTIMATION
19 CROSS-SECTIONS AND 5 TIME-PERIODS
DEPENDENT VARIABLE = NONSOC
...WARNING...TOO FEW DEGREES OF FREEDOM, DN OPTION USED

OLS COEFFICIENTS

-5.7880	-3.0208	-2.8751	1.4285	20.595
-37.286	-.73060	.62455	.28965	.42184
768.57	-1084.3	492.08	-0.36037E-01	-3.2019
.10970	27.377	-2.3168	0.66973E-01	-3.6970
-1.8848	0.10403E-01	-247.90		

RHO VECTOR

.96382	.28242	1.4485	.43815	.36500
.26798	.37139	.67773	.27094	.68725
.18307	-.17650	-0.70832E-01	1.4067	.57970
.78603	.97763	.91151	.62315	

CONSTANT RHO = .66013

VARIANCES

2.4731	.10227	2.4684	1.5337	.28710
1.3255	.19462	1.1265	1.3104	3.4720
4.8561	3.6644	.29099	1.5185	7.4758
1.6621	1.0666	3.5360	1.4088	

FINAL COEFFICIENTS

11.556	11.197	-.87391	-2.1551	6.2629
-11.386	-.18307	-0.38610E-01	.44579	-0.13078E-01
226.57	-286.90	114.39	.10985	-.37531
0.25191E-01	19.311	-1.7095	0.51657E-01	-3.5885
-1.3811	0.36339E-01	-140.25		

FINAL SSE = 78.286

LOG-LIKELIHOOD FUNCTION = -144.145
 BUSE R-SQUARE = .7912 BUSE RAW-MOMENT R-SQUARE = .9911
 VARIANCE OF THE ESTIMATE = 1.0873
 STANDARD ERROR OF THE ESTIMATE = 1.0427
 MEAN OF DEPENDENT VARIABLE = 15.907
 LOG OF THE LIKELIHOOD FUNCTION = -144.145

MODEL SELECTION TESTS - SEE JUDGE ET.AL.(1985, P.242)
 AKAIKE (1969) FINAL PREDICTION ERROR- FPE = 1.3506
 (FPE ALSO KNOWN AS AMEMIYA PREDICTION CRITERION -PC)
 AKAIKE (1973) INFORMATION CRITERION- AIC = .29070
 SCHWARZ (1978) CRITERION-SC = .90901

ANALYSIS OF VARIANCE - FROM MEAN				
	SS	DF	MS	F
REGRESSION	296.72	22.	13.487	12.404
ERROR	78.286	72.	1.0873	
TOTAL	375.01	94.	3.9895	

ANALYSIS OF VARIANCE - FROM ZERO				
	SS	DF	MS	F
REGRESSION	8741.4	23.	380.06	349.542
ERROR	78.286	72.	1.0873	
TOTAL	8819.6	95.	92.838	

VARIABLE NAME	ESTIMATED COEFFICIENT	STANDARD ERROR	T-RATIO 72 DF	PARTIAL CORR.	STANDARDIZED COEFFICIENT	ELASTICITY AT MEANS
LINC10	11.556	9.1907	1.2573	.1466	1.2580	1.1155
BACKWARD	11.197	8.9497	1.2511	.1459	1.0985	.37954
INV1	-.87391	.68010	-1.2850	-.1497	-.13011	-0.99985E-01
INV10	-2.1551	1.1375	-1.8945	-.2179	-.29583	-.16269
SCHOOL10	6.2629	4.1148	1.5220	.1766	.14809	.25134
UNIV10	-11.386	7.5548	-1.5071	-.1749	-0.90615E-01	-0.29510E-01
AGDEMAND	-.18307	.44662	-.40991	-.0483	-0.51745E-01	-0.20923E-01
MISERY	-0.38610E-01	.36149	-.10681	-.0126	-0.31622E-01	-0.23394E-01
MILIT	.44579	.16496	2.7025	.3035	.18224	0.87824E-01
CORPTISM	-0.13078E-01	.32221	-0.40589E-01	-.0048	-0.53327E-02	-0.13414E-02
VOTERS	226.57	134.22	1.6881	.1951	6.5145	11.247
VOTERSSQ	-286.90	192.76	-1.4884	-.1728	-11.961	-11.475
VOTERSCU	114.39	90.115	1.2694	.1480	5.3578	3.7445
TURNOVER	.10985	0.68629E-01	1.6007	.1854	0.51857E-01	0.17774E-01
POP514	-.37531	1.3302	-.28215	-.0332	-.21032	-.39665
POP514SQ	0.25191E-01	0.36799E-01	.68455	.0804	.49906	.45519
POP65	19.311	4.9057	3.9363	.4208	11.370	13.934
POP65SQ	-1.7095	.43930	-3.8915	-.4169	-22.814	-14.729
POP65CU	0.51657E-01	0.12994E-01	3.9754	.4243	12.185	5.4975
ETHFRAC	-3.5885	2.5866	-1.3874	-.1614	-.19450	-0.51649E-01
CATH	-1.3811	.82556	-1.6729	-.1934	-.13221	-0.33221E-01

OPEN	0.36339E-01	0.19695E-01	1.8451	.2125	.22923	.12141
CONSTANT	-140.25	40.426	-3.4694	-.3785	.00000	-8.8170
OBS.	OBSERVED	PREDICTED	CALCULATED			
NO.	VALUE	VALUE	RESIDUAL			
1	7.7187	6.7062	1.0125		I	*
2	3.4225	2.8481	.57433		I	*
3	3.9964	2.7426	1.2538		I	*
4	4.4174	2.8710	1.5464		I	*
5	4.4564	3.9029	.55343		I	*
6	41.904	42.109	-.20535		*I	
7	17.865	17.037	.82857		I	*
8	14.210	14.806	-.59643		* I	
9	21.009	20.137	.87212		I	*
10	20.430	20.650	-.22062		*I	
11	6.2870	6.7573	-.47023		* I	
12	2.9274	3.1909	-.26348		*I	
13	3.0892	4.2558	-1.1666		*	I
14	3.5192	4.5469	-1.0277		*	I
15	3.8793	5.1962	-1.3169		*	I
16	5.5983	6.4722	-.87390		*	I
17	2.2746	3.2030	-.92833		*	I
18	4.1813	3.1660	1.0153		I	*
19	3.9235	4.6065	-.68303		*	I
20	4.0961	4.4573	-.36118		* I	
21	18.070	18.141	-0.70661E-01		*	
22	7.5602	8.4844	-.92417		*	I
23	7.6122	8.1023	-.49009		*	I
24	11.094	10.983	.11042		I*	
25	12.160	11.727	.43289		I	*
26	12.481	11.942	.53924		I	*
27	6.3506	5.5254	.82523		I	*
28	5.3651	6.2132	-.84816		*	I
29	8.3843	7.7751	.60920		I	*
30	5.8713	7.6046	-1.7332		*	I
31	28.809	28.102	.70777		I	*
32	14.735	15.782	-1.0469		*	I
33	9.6461	10.467	-.82060		*	I
34	9.5220	9.6402	-.11826		*I	
35	10.630	10.413	.21680		I*	
36	9.7241	9.3876	.33648		I	*
37	5.7471	4.4886	1.2585		I	*
38	3.7930	3.7347	0.58359E-01		*	
39	4.4487	4.2363	.21238		I*	
40	3.7449	4.8015	-1.0565		*	I
41	10.840	9.3630	1.4772		I	*
42	6.0230	4.9087	1.1143		I	*
43	4.4025	5.8002	-1.3977		*	I
44	7.2038	7.2767	-0.72829E-01		*	
45	6.7961	6.9109	-.11476		*I	
46	4.6681	5.8310	-1.1628		*	I
47	2.2141	3.2215	-1.0074		*	I
48	2.7855	3.1878	-.40236		*	I
49	1.1134	3.4102	-2.2968		*	I
50	3.2859	3.6394	-.35346		*	I
51	3.5450	5.6628	-2.1178		*	I
52	2.3255	1.9377	.38781		I	*
53	3.0472	2.0768	.97041		I	*

54	2.4787	2.8587	-.38002		*	I	
55	4.3014	3.3761	.92530			I	*
56	4.9246	4.6869	.23766			I*	
57	2.4842	2.2675	.21664			I*	
58	1.3226	2.8851	-1.5625	*		I	
59	2.5943	1.5880	1.0063			I	*
60	2.4015	3.1571	-.75559		*	I	
61	21.709	21.996	-.28784		*	I	
62	13.289	12.329	.95958			I	*
63	12.539	12.065	.47433			I	*
64	15.509	15.944	-.43486		*	I	
65	14.324	14.572	-.24826			I*	
66	13.417	12.150	1.2665			I	*
67	5.7703	5.6876	0.82714E-01			*	
68	4.8486	5.3215	-.47288		*	I	
69	7.3813	6.7797	.60158			I	*
70	6.7736	6.1974	.57621			I	*
71	3.5577	4.6311	-1.0734	*		I	
72	1.1781	1.9401	-.76198		*	I	
73	1.5545	2.0438	-.48935		*	I	
74	2.4158	2.0921	.32371			I	*
75	4.1773	2.0199	2.1574			I	*
76	9.2697	9.2247	0.45046E-01			*	
77	4.6053	5.1125	-.50722		*	I	
78	2.1543	4.0033	-1.8490	*		I	
79	4.0042	4.6131	-.60884		*	I	
80	5.4859	5.3426	.14322			I*	
81	13.216	12.834	.38168			I	*
82	6.4637	5.9802	.48348			I	*
83	6.2990	5.3242	.97487			I	*
84	8.2399	7.4569	.78295			I	*
85	7.9950	8.1707	-.17564			I*	
86	6.8946	6.3354	.55922			I	*
87	4.4065	2.4523	1.9542			I	*
88	4.2004	3.3710	.82943			I	*
89	5.1477	4.6636	.48406			I	*
90	6.9275	5.9757	.95183			I	*
91	6.3790	7.9555	-1.5765	*		I	
92	2.3218	3.1862	-.86445		*	I	
93	1.9278	1.3209	.60684			I	*
94	4.2368	3.1710	1.0658			I	*
95	3.0803	3.1442	-0.63908E-01			*	

DURBIN-WATSON = 1.6853 VON NEUMAN RATIO = 1.7033 RHO = .15077
 RESIDUAL SUM = -1.2567 RESIDUAL VARIANCE = 1.0873
 SUM OF ABSOLUTE ERRORS= 71.265
 R-SQUARE BETWEEN OBSERVED AND PREDICTED = .9790
 RUNS TEST: 38 RUNS, 48 POSITIVE, 47 NEGATIVE, NORMAL STATISTIC = -2.1653

_STAT / ALL						
NAME	N	MEAN	ST. DEV	VARIANCE	MINIMUM	MAXIMUM
COUNTRY	95	10.000	5.5063	30.319	1.0000	19.000
YEAR	95	1971.5	5.6869	32.340	1963.5	1979.5
PENSR	95	.31128	.11118	0.12362E-01	.10400	.63400
WELFR	95	0.21663E-01	0.14656E-01	0.21480E-03	0.50000E-02	0.78000E-01
UNEMR	95	.18073	.11884	0.14123E-01	0.30000E-02	.56300

EDUCR	95	.11451	0.38507E-01	0.14828E-02	0.39000E-01	.20500
HEALR	95	0.24074E-01	0.79000E-02	0.62409E-04	0.80000E-02	0.50000E-01
PENS	95	6.5798	2.9630	8.7794	1.1900	13.570
WELF	95	3.8983	2.5863	6.6887	.79000	13.630
UNEM	95	.59705	.68585	.47040	.00000	3.9400
EDUC	95	5.0984	1.4770	2.1816	1.7400	7.9600
HEALTH	95	4.3163	1.3734	1.8863	1.5300	8.6000
ALLGOVT	95	36.390	8.4494	71.393	18.240	60.740
NONSOC	95	15.907	3.9359	15.491	8.5000	28.520
INCOME	95	6.9426	2.0574	4.2331	1.8860	11.533
INCOME1	95	6.7452	2.0497	4.2012	1.7610	11.385
INCOME5	95	6.5112	1.8711	3.5012	1.7610	10.433
INCOME10	95	5.0248	1.8102	3.2769	1.1310	9.5290
GROWTH	95	0.35705E-01	0.14248E-01	0.20302E-03	0.90000E-02	0.91000E-01
UPPERGAP	95	78.947	50.591	2559.5	1.0000	138.00
LOWERGAP	95	97.011	79.206	6273.6	1.0000	318.80
MELTZR	95	73.589	44.467	1977.3	1.0000	114.60
DEMOC	95	.98158	.12759	0.16279E-01	.00000	1.0000
WOMEN	95	.97632	.14620	0.21375E-01	.00000	1.0000
VOTERS	95	.78967	.11317	0.12807E-01	.41775	.96775
TURNOVER	95	2.5737	1.8579	3.4520	.00000	8.7500
POP	95	33750.	49551.	0.24553E+10	2578.5	0.22331E+06
POPGROW	95	0.91421E-02	0.54920E-02	0.30162E-04	-0.32500E-02	0.23500E-01
KIDS	95	.60671	.10503	0.11031E-01	.46200	.84500
POP2039	95	.50467	0.33524E-01	0.11239E-02	.43300	.59500
POP65A	95	.20612	0.40619E-01	0.16499E-02	.10800	.28200
SCHOOLAD	95	.45688	0.75297E-01	0.56696E-02	.35200	.61500
INV	95	1.8766	.58382	.34084	.56600	3.0950
INV1	95	1.8200	.58596	.34335	.49200	2.9610
INV5	95	1.5554	.60340	.36409	.28700	2.9250
INV10	95	1.2009	.54028	.29190	.14800	2.7600
SCHOOL10	95	.63838	0.93066E-01	0.86614E-02	.47725	.86875
UNIV10	95	0.41229E-01	0.31324E-01	0.98119E-03	0.82500E-02	.21075
PLINC	95	1.8845	.34380	.11820	.65663	2.4539
CANADA	95	0.52632E-01	.22448	0.50392E-01	.00000	1.0000
FRANCE	95	0.52632E-01	.22448	0.50392E-01	.00000	1.0000
GERMANY	95	0.52632E-01	.22448	0.50392E-01	.00000	1.0000
JAPAN	95	0.52632E-01	.22448	0.50392E-01	.00000	1.0000
ITALY	95	0.52632E-01	.22448	0.50392E-01	.00000	1.0000
US	95	0.52632E-01	.22448	0.50392E-01	.00000	1.0000
AUSSIES	95	0.52632E-01	.22448	0.50392E-01	.00000	1.0000
AUSTRIA	95	0.52632E-01	.22448	0.50392E-01	.00000	1.0000
BELGIUM	95	0.52632E-01	.22448	0.50392E-01	.00000	1.0000
DENMARK	95	0.52632E-01	.22448	0.50392E-01	.00000	1.0000
FINLAND	95	0.52632E-01	.22448	0.50392E-01	.00000	1.0000
GREECE	95	0.52632E-01	.22448	0.50392E-01	.00000	1.0000
IRELAND	95	0.52632E-01	.22448	0.50392E-01	.00000	1.0000
NETHER	95	0.52632E-01	.22448	0.50392E-01	.00000	1.0000
NZ	95	0.52632E-01	.22448	0.50392E-01	.00000	1.0000
NORWAY	95	0.52632E-01	.22448	0.50392E-01	.00000	1.0000
SWEDEN	95	0.52632E-01	.22448	0.50392E-01	.00000	1.0000
SWITZER	95	0.52632E-01	.22448	0.50392E-01	.00000	1.0000
CATH	95	.38263	.37678	.14197	.00000	1.0000
PROT	95	.49526	.39060	.15257	.00000	1.0000
CORPTISM	95	1.6316	1.6049	2.5756	.00000	4.0000
PPENS	95	6.6587	2.7194	7.3949	1.6470	13.655
PWELUN	95	4.6439	3.3779	11.410	.40200	30.327

PWELF	95	3.8048	2.4175	5.8441	.16900	13.127
PUNEM	95	.55182	.51432	.26453	-0.92000E-01	2.4470
PEDUC	95	5.0775	1.2514	1.5660	1.9390	7.7990
PHEAL	95	4.3768	1.4658	2.1486	1.8430	8.1090
PNONSOC	95	16.589	4.4406	19.719	8.5450	37.295
NONSOCR	95	0.87653E-01	0.21086E-01	0.44463E-03	0.49000E-01	.16400
SLUMP	95	0.14800E-01	0.11148E-01	0.12427E-03	0.50000E-02	0.36000E-01
MILIT	95	3.1338	1.6089	2.5887	.82500	8.9000
ZEIT1	95	.20000	.40212	.16170	.00000	1.0000
ZEIT2	95	.20000	.40212	.16170	.00000	1.0000
ZEIT3	95	.20000	.40212	.16170	.00000	1.0000
ZEIT4	95	.20000	.40212	.16170	.00000	1.0000
PENSL	95	5.7652	2.7448	7.5340	1.1900	12.850
WELFL	95	3.5953	2.2958	5.2706	.10000	12.590
UNEML	95	.44663	.49627	.24629	.00000	2.5700
EDUCL	95	4.6478	1.5147	2.2944	1.6200	7.7900
HEALTHL	95	3.7157	1.2739	1.6227	1.3100	7.4800
ALLGOVTL	95	33.291	7.4259	55.143	16.770	51.440
NONSOCL	95	15.136	3.6266	13.152	8.5000	23.470
INFLOECD	95	5.7280	2.0636	4.2586	2.9820	8.5270
UNEMOECD	95	3.9100	1.2473	1.5558	2.6750	5.6750
ETHFRAC	95	.22895	.21333	0.45510E-01	0.10000E-01	.75000
OPEN	95	53.147	24.828	616.41	9.3000	123.20
POP014	95	25.038	3.4361	11.807	18.500	33.700
POP514	95	16.812	2.2056	4.8647	13.500	21.900
POP65	95	11.478	2.3175	5.3707	6.1000	16.200
PTRANS	95	15.552	5.2045	27.087	4.9300	28.048
PGROWTH	95	0.35411E-01	0.12998E-01	0.16895E-03	0.40000E-02	0.75000E-01
BACKWARD	95	.53921	.38615	.14911	.00000	1.8250
TIME2	95	.20000	.40212	.16170	.00000	1.0000
TIME3	95	.20000	.40212	.16170	.00000	1.0000
TIME4	95	.20000	.40212	.16170	.00000	1.0000
TIME5	95	.20000	.40212	.16170	.00000	1.0000
LINC	95	1.8856	.34415	.11844	.63446	2.4452
LINC10	95	1.5356	.42849	.18360	.12310	2.2543
SCHOOLSQ	95	.21435	0.73559E-01	0.54109E-02	.12390	.37822
POP514SQ	95	287.44	77.975	6080.1	182.25	479.61
POP65SQ	95	137.06	52.524	2758.8	37.210	262.44
POP65CU	95	1692.9	928.37	0.86187E+06	226.98	4251.5
TRANS	95	15.391	5.8510	34.234	5.1700	30.470
PTRANS SQ	95	268.65	172.05	29600.	24.305	786.69
PPENSSQ	95	51.655	40.812	1665.7	2.7126	186.46
PWELUNSQ	95	32.855	94.303	8893.1	.16160	919.73
PEDUCSQ	95	27.331	12.739	162.28	3.7597	60.824
PHEALSQ	95	21.282	14.385	206.94	3.3966	65.756
PNONSCSQ	95	294.71	172.42	29729.	73.017	1390.9
OLDSWISS	95	0.23684E-01	.14620	0.21375E-01	.00000	1.0000
GREEKDIK	95	0.18421E-01	.12759	0.16279E-01	.00000	1.0000
AGDEMAND	95	1.8180	1.1125	1.2376	.28200	3.4520
MISERY	95	9.6380	3.2235	10.391	5.6820	13.602
VOTERSSQ	95	.63624	.16409	0.26927E-01	.17452	.93654
VOTERSCU	95	.52070	.18434	0.33983E-01	0.72904E-01	.90634
CATHDOM	95	.12105	.20439	0.41775E-01	.00000	.50000
WELUN	95	4.4954	2.9231	8.5444	.80000	16.330
TRANSLAG	95	13.523	5.2468	27.529	4.0500	27.860
PENSRI	95	.55784	.19448	0.37824E-01	.17761	1.1149
_STOP						