

Obs	year	participation	fertrate	menwages	womenwages	debt	parttime
1	1946	25.3	3748	25.35	14.05	18.18	10.28
2	1947	24.4	3996	26.14	14.61	28.33	9.28
3	1948	24.2	3725	25.11	14.23	30.55	9.51
4	1949	24.2	3750	25.45	14.61	35.81	8.87
5	1950	23.7	3669	26.79	15.26	38.39	8.54
6	1951	24.2	3682	26.33	14.58	26.52	8.84
7	1952	24.1	3845	27.89	15.66	45.65	8.60
8	1953	23.8	3905	29.15	16.30	52.99	5.49
9	1954	23.6	4047	29.52	16.57	54.84	6.67
10	1955	24.3	4043	32.05	17.99	65.53	6.25
11	1956	25.1	4092	32.98	18.33	72.56	6.32
12	1957	26.2	4168	32.25	17.64	69.49	7.30
13	1958	26.6	4073	32.52	18.16	71.71	8.65
14	1959	26.9	4100	33.95	18.58	78.89	8.80
15	1960	27.9	4119	34.63	18.95	84.99	9.39
16	1961	29.1	4159	35.14	18.78	87.71	10.23
17	1962	29.9	4134	34.49	18.74	95.31	10.77
18	1963	29.8	4017	35.99	19.71	104.40	10.84
19	1964	30.9	3886	36.68	20.06	116.80	11.70
20	1965	32.1	3467	37.96	20.94	130.99	12.33
21	1966	33.2	3150	38.68	21.20	135.25	12.18
22	1967	34.5	2879	39.65	21.95	142.93	13.67
23	1968	35.1	2681	41.20	22.68	155.47	13.82
24	1969	36.1	2563	42.44	23.75	165.04	14.91
25	1970	36.9	2571	42.02	25.63	164.53	15.52
26	1971	37.0	2503	45.32	26.79	169.63	15.47
27	1972	37.9	2302	45.61	27.51	190.62	15.85
28	1973	40.1	1931	45.59	27.35	209.60	15.40
29	1974	40.6	1875	48.06	29.64	216.66	16.23
30	1975	42.2	1866	46.12	29.33	224.34	16.71

The REG Procedure
Model: MODEL1
Dependent Variable: participation

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	6	1020.15110	170.02518	587.30	<.0001
Error	23	6.65857	0.28950		
Corrected Total	29	1026.80967			

Root MSE	0.53805	R-Square	0.9935
Dependent Mean	29.99667	Adj R-Sq	0.9918
Coeff Var	1.79372		

Parameter Estimates						
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t	Variance Inflation
Intercept	1	8.14186	212.86023	0.04	0.9698	0
fertrate	1	-0.00000195	0.00050111	-0.00	0.9969	15.14634
menwages	1	-0.02919	0.15022	-0.19	0.8477	113.91544
womenwages	1	0.01984	0.17444	0.11	0.9104	67.32553
debt	1	0.06397	0.01850	3.46	0.0021	131.65806
parttime	1	0.65657	0.08205	8.00	<.0001	7.55237
year	1	0.00445	0.11072	0.04	0.9683	95.16237

The REG Procedure
Model: MODEL1
Dependent Variable: participation

Collinearity Diagnostics		
Number	Eigenvalue	Condition Index
1	6.65655	1.00000
2	0.32107	4.55332
3	0.01738	19.57293
4	0.00378	41.98029
5	0.00087996	86.97484
6	0.00034713	138.47659
7	1.044006E-7	7984.97135

Collinearity Diagnostics							
Number	Proportion of Variation						
	Intercept	fertrate	menwages	womenwages	debt	parttime	year
1	4.704254E-9	0.00006189	0.00000748	0.00001688	0.00003813	0.00024054	4.529679E-9
2	4.228539E-8	0.00348	0.00000660	0.00004579	0.00271	0.00174	3.8339E-8
3	1.199715E-7	0.01517	0.00074141	0.00083738	0.01969	0.42039	9.94649E-8
4	0.00000808	0.30973	0.00001276	0.03243	0.03010	0.36933	0.00000722
5	0.00003528	0.02059	0.04489	0.34505	0.39857	0.10569	0.00003276
6	1.181329E-7	0.37410	0.65750	0.53574	0.13068	0.04938	3.775534E-7
7	0.99996	0.27687	0.29684	0.08588	0.41822	0.05323	0.99996

Collinearity Diagnostics (intercept adjusted)								
Number	Eigenvalue	Condition Index	Proportion of Variation					
			fertrate	menwages	womenwages	debt	parttime	year
1	5.53099	1.00000	0.00177	0.00027452	0.00047273	0.00024457	0.00373	0.00032117
2	0.32881	4.10137	0.08948	0.00312	0.00105	0.00058487	0.08868	0.00539
3	0.11011	7.08732	0.17643	0.00003958	0.00953	0.00065542	0.72153	0.00239
4	0.01853	17.27487	0.22586	0.01169	0.42610	0.03116	0.16516	0.15935
5	0.00706	27.98706	0.36139	0.61873	0.16384	0.41192	0.01188	0.00321
6	0.00449	35.11102	0.14506	0.36614	0.39900	0.55543	0.00903	0.82933

mean
3431.5333
35.168667
19.986
102.79033
10.947333
1960.5

r					
1	-0.811759	-0.872101	-0.869573	-0.896058	-0.778603
-0.811759	1	0.9829573	0.9861088	0.8532775	0.9890913
-0.872101	0.9829573	1	0.9867513	0.8715406	0.9637248
-0.869573	0.9861088	0.9867513	1	0.8874899	0.9804528
-0.896058	0.8532775	0.8715406	0.8874899	1	0.8458774
-0.778603	0.9890913	0.9637248	0.9804528	0.8458774	1

trs
606143.27

eigr	eigvecr					
5.5309943	-0.384939	0.6675739	0.5424496	0.2518053	0.1966009	0.0992867
0.3288104	0.4158879	0.3420846	-0.022282	0.1571042	-0.705482	0.4325878
0.1101132	0.419565	0.152308	-0.265798	0.7291795	0.2790919	-0.347165
0.0185342	0.4220132	0.15912	-0.097478	-0.275741	0.6188364	0.5727934
0.0070614	0.3945669	-0.46928	0.7746201	0.1520461	0.0251676	0.01749
0.0044866	0.4111526	0.4105886	0.1583198	-0.530149	-0.046464	-0.595053

psc			
-2.594088	-1.193164	0.3055838	0.1837124
-2.62293	-0.71067	0.2153547	0.2177483
-2.493825	-0.985674	0.1183647	-0.01159
-2.445325	-0.78558	-0.025143	-0.049694
-2.243251	-0.670089	-0.18519	-0.032168
-2.336096	-0.729009	-0.030111	-0.137417
-2.080495	-0.349202	-0.049793	-0.038664
-2.249303	0.2854606	-0.761418	-0.126185
-2.075542	0.3201248	-0.390379	-0.044866
-1.728603	0.6175964	-0.577467	0.1032808
-1.565254	0.7704558	-0.54223	0.1041997
-1.565975	0.6796369	-0.19814	0.0036138
-1.235623	0.4908039	0.0321661	0.0506774
-1.014472	0.6405906	0.0642114	0.070902
-0.793232	0.6812608	0.1993895	0.08897
-0.634112	0.670572	0.4435029	0.0527041
-0.501247	0.6068732	0.5613524	-0.045496
-0.151889	0.6700949	0.4398882	0.0027505
0.2172887	0.5598655	0.5238961	-0.046498
0.7962842	0.2843236	0.3186986	-0.112328
1.076953	0.1333394	0.056699	-0.244909
1.6098355	-0.171336	0.172585	-0.22171
2.0138001	-0.185529	0.0210053	-0.247591
2.4808763	-0.274254	0.129343	-0.145701
2.7352848	-0.266894	0.1899111	0.1090432
3.1414362	-0.062036	0.0648042	0.2548022
3.5568278	-0.150411	-0.044404	0.1713705
3.8482872	-0.317266	-0.410666	-0.139386
4.4178353	-0.223829	-0.388078	0.198479
4.4365558	-0.336057	-0.253738	0.0319498

cmpldv					
-0.905301	0.3828002	0.1800027	0.0342809	0.0165208	0.0066504
0.9780878	0.1961581	-0.007394	0.0213882	-0.059283	0.0289756
0.9867358	0.0873364	-0.088201	0.0992708	0.0234526	-0.023254
0.9924934	0.0912426	-0.032346	-0.037539	0.052002	0.0383668
0.9279451	-0.269094	0.2570445	0.0206996	0.0021149	0.0011715
0.9669514	0.2354397	0.0525357	-0.072175	-0.003904	-0.039858

spsc					
5.5309943	-1.64E-14	1.08E-14	1.465E-14	6.92E-14	-5.09E-14
-1.64E-14	0.3288104	-5.75E-15	5.243E-14	7.327E-14	-4.52E-15
1.08E-14	-5.75E-15	0.1101132	5.111E-15	2.365E-14	-1.76E-14
1.465E-14	5.243E-14	5.111E-15	0.0185342	-9.28E-14	1.122E-14
6.92E-14	7.327E-14	2.365E-14	-9.28E-14	0.0070614	-9.8E-14
-5.09E-14	-4.52E-15	-1.76E-14	1.122E-14	-9.8E-14	0.0044866

spscstd					
1	-1.2E-14	1.378E-14	4.58E-14	3.499E-13	-3.22E-13
-1.2E-14	1	-3.02E-14	6.716E-13	1.52E-12	-1.18E-13
1.378E-14	-3.02E-14	1	1.131E-13	8.482E-13	-7.91E-13
4.58E-14	6.716E-13	1.131E-13	1	-8.11E-12	1.231E-12
3.499E-13	1.52E-12	8.482E-13	-8.11E-12	1	-1.74E-11
-3.22E-13	-1.18E-13	-7.91E-13	1.231E-12	-1.74E-11	1

spsc					
30.591897	-2.22E-14	8.31E-15	4.685E-15	1.366E-14	-7.99E-15
-2.22E-14	0.1081163	-1.09E-15	4.093E-15	3.53E-15	-1.74E-16
8.31E-15	-1.09E-15	0.0121249	2.309E-16	6.595E-16	-3.91E-16
4.685E-15	4.093E-15	2.309E-16	0.0003435	-1.06E-15	1.023E-16
1.366E-14	3.53E-15	6.595E-16	-1.06E-15	0.0000499	-5.52E-16
-7.99E-15	-1.74E-16	-3.91E-16	1.023E-16	-5.52E-16	0.0000201