

Section VII: References

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Section VIII: Appendix

Table 1: Description of Variables

Variable Name	Description
incwelfr	Welfare (public assistance) income
health	Health status
goodhealth	Dummy variable which = 1 if good health status (excellent, very good, good) and = 0 if not good health status (fair, poor)
adj_welfr	Adjusted welfare income in 1999 dollars
adj_welfr_sq	Adjusted welfare income in 1999 dollars squared
adj_welfr_cu	Adjusted welfare income in 1999 dollars cubed

adj_welfr_log	Natural log of adjusted welfare income in 1999 dollars
educ_rev	Education level
educ_rev_sq	Education level squared
educ_rev_cu	Education level cubed
educ_rev_log	Natural log of education level
married	Dummy variable where = 1 if person is married and = 0 if person is not married
west	Dummy variable where = 1 if living in west region and = 0 if living in non-west region
south	Dummy variable where = 1 if living in south region and = 0 if living in non-south region
midwest	Dummy variable where = 1 if living in midwest region and = 0 if living in non-midwest region
mthwelfr	Number of months received welfare income
mthwelfr_sq	Number of months received welfare income squared
mthwelfr_cu	Number of months received welfare income cubed
mthwelfr_log	Natural log of number of months received welfare income
famsize	Number of family members in household
famsize_sq	Number of family members in household squared
famsize_cu	Number of family members in household cubed
famsize_log	Natural log of number of family members in household
sex	Dummy variable where = 1 if female and = 0 for male

age	Age of person
age_sq	Age of person squared
age_cu	Age of person cubed
age_log	Natural log of age of person
adj_welfr_famsize	Interaction term between adjusted welfare income and number of family members in home
adj_welfr_famsize_sq	Interaction term between adjusted welfare income and number of family members in home squared
adj_welfr_famsize_cu	Interaction term between adjusted welfare income and number of family members in home cubed
adj_welfr_famsize_log	Natural log of interaction term between adjusted welfare income and number of family members in home
adj_welfr_educ_rev	Interaction term between adjusted welfare income and education level
adj_welfr_educ_rev_sq	Interaction term between adjusted welfare income and education level squared
adj_welfr_educ_rev_cu	Interaction term between adjusted welfare income and education level cubed
adj_welfr_educ_rev_log	Natural log of interaction term between adjusted welfare and education level
fiftypercent_adj_welfr	Dummy variable where 1 = top 50% of adjusted welfare income received and 0 = bottom 50% of adjusted welfare income received

Table 2: Descriptive Statistics of the Variables

	(1)	(2)	(3)	(4)	(5)
VARIABLES	N	mean	sd	min	max

age	2,713	36.40	13.80	15	85
famsize	2,713	3.633	1.813	1	14
incwelfr	2,713	3,327	3,116	1	25,000
mthwelfr	2,713	9.264	3.859	1	12
health	2,713	2.874	1.186	1	5
adj_welfr	2,713	2,487	2,339	0.715	19,425
goodhealth	2,713	0.703	0.457	0	1
midwest	2,713	0.203	0.402	0	1
south	2,713	0.229	0.420	0	1
west	2,713	0.332	0.471	0	1
sex_rev	2,713	0.818	0.386	0	1
married	2,713	0.244	0.430	0	1
educ_rev	2,713	11.65	2.421	0	21
adj_welfr_famsize	2,713	9,590	11,758	0.715	155,400
adj_welfr_educ_rev	2,713	28,965	29,159	0	252,525
adj_welfr_sq	2,713	1.165e+07	2.957e+07	0.511	3.773e+08
adj_welfr_cu	2,713	8.893e+10	4.855e+11	0.366	7.330e+12
adj_welfr_log	2,713	7.319	1.238	-0.335	9.874
age_sq	2,713	1,515	1,194	225	7,225
famsize_sq	2,713	16.48	17.30	1	196
educ_rev_sq	2,713	141.6	50.27	0	441
mthwelfr_sq	2,713	100.7	58.18	1	144
adj_welfr_famsize_sq	2,713	2.302e+08	8.789e+08	0.511	2.415e+10

adj_welfr_educ_rev_sq	2,713	1.689e+09	4.731e+09	0	6.377e+10
age_cu	2,713	71,247	88,575	3,375	614,125
famsize_cu	2,713	89.51	166.9	1	2,744
educ_rev_cu	2,713	1,767	914.7	0	9,261
mthwelfr_cu	2,713	1,155	753.9	1	1,728
adj_welfr_famsize_cu	2,713	1.078e+13	1.015e+14	0.366	3.753e+15
adj_welfr_educ_rev_cu	2,713	1.684e+14	9.905e+14	0	1.610e+16
age_log	2,713	3.526	0.371	2.708	4.443
famsize_log	2,713	1.156	0.545	0	2.639
educ_rev_log	2,689	2.443	0.218	1.386	3.045
mthwelfr_log	2,713	2.066	0.672	0	2.485
adj_welfr_famsize_log	2,713	8.557	4.387	-0.653	21.64
adj_welfr_educ_rev_log	2,689	17.87	3.431	-0.930	26.58

Table 3: Descriptive statistics according to median adjusted welfare income

	(1)	(2)	(3)	(4)	(5)
	fiftypercent_ adj_welfr: 0		fiftypercent_a dj_welfr: 1		
VARIABLES	N	mean	N	mean	difference in means
age	1,618	36.72	1,095	35.92	-0.8
famsize	1,618	3.466	1,095	3.879	0.413

incwelfr	1,618	1,467	1,095	6,076	4609
mthwelfr	1,618	7.868	1,095	11.33	3.462
health	1,618	2.880	1,095	2.864	-0.016
adj_welfr	1,618	1,097	1,095	4,540	3443
goodhealth	1,618	0.697	1,095	0.712	0.015
midwest	1,618	0.231	1,095	0.161	-0.07
south	1,618	0.282	1,095	0.151	-0.131
west	1,618	0.258	1,095	0.442	0.184
sex_rev	1,618	0.792	1,095	0.857	0.065
married	1,618	0.229	1,095	0.266	0.037
educ_rev	1,618	11.68	1,095	11.61	-0.07
adj_welfr_fams ize	1,618	3,894	1,095	18,00 8	14114
adj_welfr_educ _rev	1,618	12,721	1,095	52,96 7	40246
adj_welfr_sq	1,618	1.689e +06	1,095	2.637 e+07	24681000
adj_welfr_cu	1,618	2.998e +09	1,095	2.159 e+11	2.12902E+1 1
adj_welfr_log	1,618	6.634	1,095	8.332	1.698
age_sq	1,618	1,555	1,095	1,455	-100
famsize_sq	1,618	15.30	1,095	18.22	2.92
educ_rev_sq	1,618	141.9	1,095	141.2	-0.7
mthwelfr_sq	1,618	79.70	1,095	131.7	52

adj_welfr_fams ize_sq	1,618	2.737e +07	1,095	5.298 e+08	502430000
adj_welfr_educ _rev_sq	1,618	2.365e +08	1,095	3.835 e+09	3598500000
age_cu	1,618	74,820	1,095	65,96 8	-8852
famsize_cu	1,618	82.29	1,095	100.2	17.91
educ_rev_cu	1,618	1,771	1,095	1,761	-10
mthwelfr_cu	1,618	886.6	1,095	1,551	664.4
adj_welfr_fams ize_cu	1,618	2.720e +11	1,095	2.630 e+13	2.6028E+13
adj_welfr_educ _rev_cu	1,618	5.218e +12	1,095	4.096 e+14	4.04382E+1 4
age_log	1,618	3.529	1,095	3.520	-0.009
famsize_log	1,618	1.098	1,095	1.240	0.142
educ_rev_log	1,609	2.442	1,080	2.446	0.004
mthwelfr_log	1,618	1.837	1,095	2.403	0.566
adj_welfr_fams ize_log	1,618	7.344	1,095	10.35	3.006
adj_welfr_educ _rev_log	1,609	16.19	1,080	20.38	4.19

Table 4: Simple Regression Models

	(1)	(2)	(3)	(4)
VARIABLES	Model 1	Model 2	Model 3	Model 4

adj_welfr	1.08e-05***			
	(3.75e-06)			
adj_welfr_sq		1.03e-09***		
		(2.96e-10)		
adj_welfr_cu			5.76e-14***	
			(1.80e-14)	
adj_welfr_log				0.0136*
				(0.00708)
Constant	0.676***	0.691***	0.698***	0.603***
	(0.0128)	(0.00941)	(0.00890)	(0.0526)
Observations	2,713	2,713	2,713	2,713
R-squared	0.003	0.004	0.004	0.001

Standard errors in parentheses

*** p<0.01, ** p<0.05, * p<0.1

Table 5: Multiple Regression Models

	(1)	(2)	(3)	(4)
VARIABLES	Model 5	Model 6	Model 7	Model 8
adj_welfr	2.30e-05			
	(2.06e-05)			
educ_rev	0.0130**			
	(0.00527)			

married	0.0505**	0.0424**	0.0349*	0.0579***
	(0.0203)	(0.0201)	(0.0200)	(0.0207)
west	0.0406*	0.0472**	0.0552**	0.0420*
	(0.0222)	(0.0224)	(0.0227)	(0.0223)
south	0.0467*	0.0477**	0.0508**	0.0413*
	(0.0241)	(0.0242)	(0.0245)	(0.0240)
midwest	-0.00686	-0.00344	-0.000547	-0.0121
	(0.0248)	(0.0250)	(0.0253)	(0.0248)
mthwelfr	-0.00839***			
	(0.00238)			
famsize	0.0125*			
	(0.00687)			
sex_rev	0.0251	0.0295	0.0393*	0.0316
	(0.0216)	(0.0217)	(0.0220)	(0.0219)
age	-0.0108***			
	(0.000634)			
adj_welfr_famsize	8.55e-07			
	(1.89e-06)			
adj_welfr_educ_rev	-1.05e-06			
	(1.53e-06)			
adj_welfr_sq		1.21e-09		
		(1.19e-09)		
educ_rev_sq		0.000486***		
		(0.000183)		

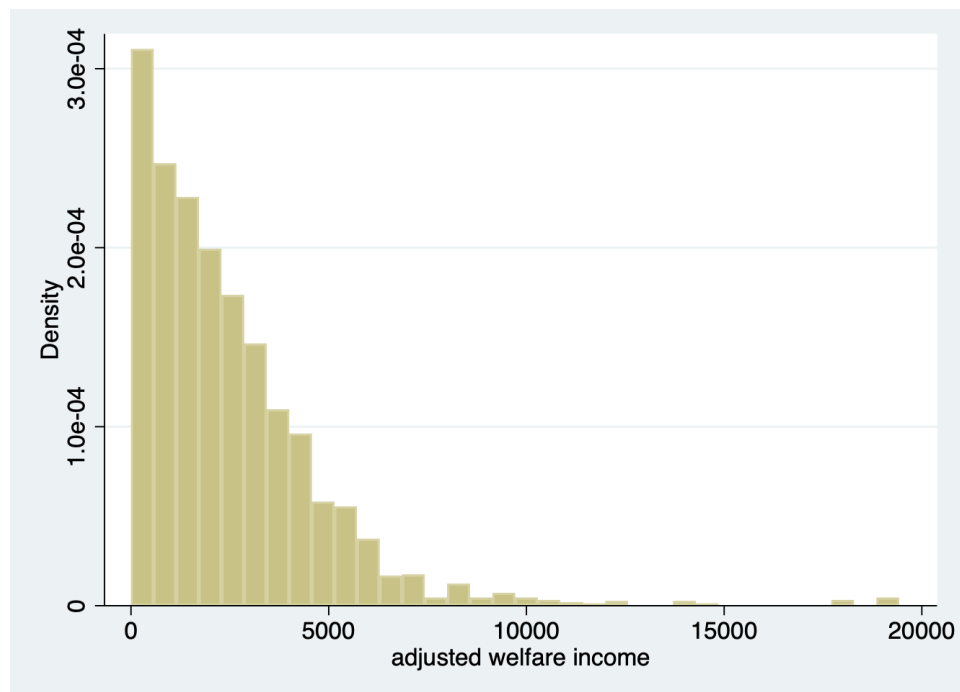
mthwelfr_sq	-0.000464***	
	(0.000148)	
famsize_sq	0.00130**	
	(0.000538)	
age_sq	-0.000117***	
	(7.27e-06)	
adj_welfr_famsize_sq	-0	
	(0)	
adj_welfr_educ_rev_sq	-0	
	(0)	
adj_welfr_cu	0	
	(0)	
educ_rev_cu	2.29e-05**	
	(9.42e-06)	
mthwelfr_cu	-3.55e-05***	
	(1.14e-05)	
famsize_cu	0.000105**	
	(5.21e-05)	
age_cu	-1.40e-06***	
	(9.80e-08)	
adj_welfr_famsize_cu	-0	
	(0)	
adj_welfr_educ_rev_cu	0	
	(0)	

adj_welfr_log				0.0531 (0.0815)
educ_rev_log				0.228 (0.241)
mthwelfr_log				-0.0465*** (0.0140)
famsize_log				0.0588 (0.0798)
age_log				-0.409*** (0.0238)
adj_welfr_famsize_log				-0.000157 (0.0109)
adj_welfr_educ_rev_log				-0.0129 (0.0324)
Constant	0.888*** (0.0796)	0.765*** (0.0418)	0.719*** (0.0342)	1.396** (0.611)
Observations	2,713	2,713	2,713	2,689
R-squared	0.146	0.128	0.103	0.150

Standard errors in parentheses
*** p<0.01, ** p<0.05, * p<0.1

Table 6: Hypothesis Testing

Hypotheses	Model 2	Model 8
$H_0: \beta_2 \leq 0$ $H_1: \beta_2 > 0$	0.002***	0.2877

Graph 1: Histogram of adj_welfr**Graph 2: Histogram of adj_welfr_log**