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OA/ID Number: 21185
FolderID:

Folder Title:
[Minimum Wage] [Folder 2] [2]

Stack:	Row:	Section:	Shelf:	Position:
S	20	3	8	2

```

. use c:\work\wp\amy\minwage\mar97.dta;

. gen earn = ernhr/100;

. gen wage=earn if earn>0;
(124115 missing values generated)

. gen group=1 if wage<=5.05;
(130872 missing values generated)

. replace group = 2 if wage>5.05 & wage<5.60;
(445 real changes made)

. replace group = 3 if wage>=5.60 & wage < 6.25;
(558 real changes made)

. drop if age<16;
(32643 observations deleted)

. sort group;

. by group: sum wage [w=ernwgt];

-> group=      1 (analytic weights assumed)

```

Variable	Obs	Weight	Mean	Std. Dev.	Min	Max
wage	948	876596864	4.546295	.8016715	1	5

```

-> group=      2
Variable |    Obs    Weight    Mean  Std. Dev.    Min    Max
-----+-----
wage |    441  398845281  5.361854  .1421467    5.05    5.6

-> group=      3
Variable |    Obs    Weight    Mean  Std. Dev.    Min    Max
-----+-----
wage |    555  507647579  5.96554  .1117176    5.65    6.24

-> group=
Variable |    Obs    Weight    Mean  Std. Dev.    Min    Max
-----+-----
wage |   5752  5.1226e+09  11.81229  5.697933    6.25    99

```

```

. end of do-file

```

teen emp

$$\frac{\text{total workers earning} \leq 6.24}{\text{total workers}} = X$$

total workers

3% (1/x)

> including 30

REWARDING WORK: THE CASE FOR INCREASING THE MINIMUM WAGE

The President's proposal would increase the minimum wage from \$4.25 to \$5.15 over two years, through two 45-cent increases. The last increase, passed by an overwhelming, bipartisan vote in 1989, and implemented in 1990 and 1991, was also a 90-cent increase in two 45-cent stages. For a full-time, year-round worker at the minimum wage, a 90-cent increase would raise yearly income by \$1,800 -- as much as the average family spends on groceries in over 7 months.

MAINTAINING THE HISTORIC VALUE OF WORK: Within a year, if the minimum wage is not increased, it will fall to its lowest real level in 40 years. Indeed, the value of the minimum wage is now 27 percent lower than it was in 1979, and has fallen 45 cents in real value since its last increase in April of 1991. The first half of the President's 90-cent proposal simply restores the minimum wage to its value from the last increase.

RAISING THE MINIMUM WAGE PRIMARILY HELPS ADULT WORKERS -- MOST OF WHOM RELY ON THEIR MINIMUM WAGE JOBS TO SUPPORT THEIR FAMILIES: Nearly two-thirds of minimum wage workers are adults (63%); almost two-fifths of all minimum wage workers (39%) are the sole breadwinners in their families; the average minimum wage worker brought home half of his or her family's earnings. Thus, a rise in the minimum wage is a significant boost to the standard of living to millions of households.

REWARDS WORK OVER WELFARE: The minimum wage increase provides another crucial measure to reward work and ensure that there is a strong incentive to choose work over welfare.

BETWEEN 10 MILLION AND 13 MILLION WORKERS WOULD BENEFIT FROM THE PRESIDENT'S PROPOSAL TO INCREASE THE MINIMUM WAGE: An estimated 10 million hourly workers earn between \$4.25 and \$5.14 and would directly benefit from the President's proposal. Research indicates that an increase in the minimum wage to \$5.15 could have a "ripple" effect on another 3.7 million workers who earn within 60 cents of the new minimum wage.

EMPIRICAL EVIDENCE SHOWS THE PRESIDENT'S PROPOSAL CAN INCREASE WAGES WITHOUT COSTING JOBS: Over a dozen empirical studies have found that moderate increases in the minimum wage do not have a significant impact on employment. These studies include state-specific research that shows that higher state increases in the minimum wage did not result in significant job impacts. As Nobel Laureate Robert Solow stated: "[T]he evidence of job loss is weak. And the fact that the evidence is weak suggests that the impact on jobs is small."

A 90 CENT INCREASE IN THE MINIMUM WAGE WILL LIFT A FAMILY OF FOUR OUT OF POVERTY: The dramatic extension of the Earned Income Tax Credit helped lift hundreds of thousands of working families out of poverty. Yet, in 1996, even the EITC is not enough to lift above the poverty line a family of four making the minimum wage. With a 90-cent minimum wage increase, food stamps, and the EITC, a family of four with a year-round minimum wage worker would be lifted above the poverty line.

THE LAST MINIMUM WAGE -- ALSO 90 CENTS -- GARNERED STRONG BIPARTISAN SUPPORT. In 1989, the minimum wage was passed by votes of 382 to 37 (135 Republicans) in the House, and 89 to 8 in the Senate (36 Republicans) and was supported by Senator Dole and Rep. Gingrich.

OPTIONS FOR MINIMUM WAGE INCREASE

- I. **Adopt Kennedy Minimum Wage Proposal:** Increase minimum wage to \$7.25 by 2002, through 50-cent increase in 1998, 1999, and 2000, and then 30-cent increase in 2001 and 2002.
- II. **Adopt Position to Split the Difference and Maintain Real Value of Minimum Wage, Without Explicit Indexation Proposal:** Increase minimum wage to \$6.20 by 2002, through three 35-cent increases or go to a slightly lower level, \$6, by 2002 through a 45-cent increase in 1999 and a 40-cent increase in 2002.
- III. **Adopt Position that With Full-time Minimum Wage and EITC, Family of Four Should Be Able to Live Out of Poverty:** Increase minimum wage to \$6.75 by 2002, through 40-cent increases in 1999, 2000, 2001, and 2002. *\$6.40 in 2000*
- IV. **Adopt Position of \$6 by Turn of Century:** Increase minimum wage to \$6 by 2000, through 35-cent increase in 1998 and 25-cent increases in 1999 and 2000.
- V. **Wait and See:** Do not endorse increase in minimum wage at this time. Argue that we support minimum wage, but too early to increase again because we need to learn from the facts of the recent hikes.

An Approach to Estimating the Disemployment Effects of a Higher Minimum Wage

Two Channels of Disemployment Effects

- Standard effect through the elasticity of demand
- Wage-price spiral effects, either through the Fed or thorough efficiency wage models

Current Evidence

- Current studies estimate the effect of a 10% rise in the minimum wage on teen employment. To convert this to an elasticity, we need to divide by the effect of a 10% rise in the minimum on the average wage paid to teens (e.g. if it raises the average teen wage by 5%, then we should double these numbers to get elasticities).
- The current range of estimates of this quasi-elasticity range from zero, in the recent Card-Krueger series of papers, to over -0.5, in the Neumark-Wascher work. *ELR 2*
- Old time series studies show an elasticity in the range of -0.1 to -0.2, with more recent evidence showing -0.06. *Brown Journal Econ Pers 88 Wellington ELR 2*
- There is no solid evidence to support the wage-price spiral effect of the minimum *91*

hrly em?

→ teen workers
- total wage bill

below?
4.75 →

10% ↑

Updating Previous Elasticities for a Higher Minimum

- There are two channels through which the disemployment effects will rise as the minimum wage rises (in real terms):
 - The minimum cuts into a thicker part of the income distribution, so that more individuals are affected at a given elasticity
 - The elasticity itself may rise, for example due to increased possibilities for technological substitution
- The goal of our exercise is to quantify these two channels, and to use apply this quantification to estimating updated disemployment effects for a higher minimum wage

total wage bill

min wage bill
Total
30 x x

90 ↑ m
total wage bill

Estimating the New Elasticity

- Our approach here is interpolation, using two endpoints:
 - We know the range of estimates of the elasticity at today's minimum. The most credible negative estimates are probably the time series, which is in the range of -0.06 to -0.2, converted to elasticities.
 - We know the range of estimates for the overall elasticity of demand from Hamermesh, which is roughly -0.5 to -0.7. We can say that this applies to the median wage
- The minimum wage that we should use is roughly \$5, and the median wage for 1996 is roughly \$11. We can consider two cases: interpolation between (the elasticity form of) -

x =

0.06 and -0.5 (the "low elasticity case"), and interpolation between (the elasticity form of) -0.2 and -0.7 (the "high elasticity case").

Estimating Standard Disemployment Effect

- For a given elasticity, we must compute the new number of disemployed workers. This involves using the increasing elasticity along with accounting for the thickening of the wage distribution.
- The best feasible means of implementing this is to divide the CPS sample into 25 cent cells, above the current minimum wage, and to allow the elasticity to rise discretely with each 25 cent cell.
- Then, this elasticity can be applied to each cell to estimate the number of individuals who lose their job.

Estimating Wage-Price Effect

- For a given increase in the minimum, armed with data on average wages, hours, and populations in different wage brackets, we can estimate the increase in compensation from a given rise in the minimum
- We can then use the Meyer model results to interpolate the employment effect from this rise in compensation costs

DRAFT

Distribution of wage and salary workers paid hourly rates
Fourth Quarter 1997 Averages, not seasonally adjusted
Numbers in thousands
By selected characteristics

Characteristic	Total Paid Hourly Rates	\$5.15*	\$5.15 to \$5.39	\$5.15 to \$5.65	\$5.40 to 5.54	\$5.55 to \$5.69	\$5.70 to \$5.84	\$5.85 to \$6.00	\$6.00 to \$7.24
TOTAL	71,061	2,115	4,022	6,621	2,374	291	768	4,433	12,736
Characteristic	Total Paid Hourly Rates	\$5.15*	\$5.16 to \$5.65	\$5.66 to \$6.15	\$6.16 to \$6.66	\$6.67 to \$6.99	\$7.00 or more		
TOTAL (16 and over)	71,061	2,115	4,506	5,445	3,372	861	50,661		
GENDER AND AGE									
'Men (16 and over)	35,326	755	1,693	2,286	1,345	321	27,291		
'Women (16 and over)	35,755	1,359	2,812	3,159	2,027	541	23,370		
Adult (25 and over)	55,287	970	2,051	3,160	2,273	649	44,141		
'Men	27,219	235	610	1,173	812	206	23,478		
'Women	28,068	735	1,441	1,987	1,460	443	20,664		
Teenage (16 to 19)	5,973	654	1,418	1,039	434	66	1,177		
'Men	3,021	334	658	485	216	41	724		
'Women	2,952	320	760	554	218	25	452		
Young Adult (20 to 24)	9,821	970	2,051	3,160	2,273	649	44,141		
'Men	5,086	187	425	627	316	73	3,089		
'Women	4,735	304	611	618	348	73	2,254		
RACE AND HISPANIC ORIGIN									
White									
Total, 16 years and over	58,395	1,632	3,652	4,366	2,742	680	42,093		
'Men	29,425	631	1,384	1,864	1,088	255	22,943		
'Women	28,971	1,001	2,268	2,506	1,654	454	19,149		
Black									
Total, 16 years and over	9,562	423	643	847	492	128	6,335		
'Men	4,357	106	225	336	204	57	3,174		
'Women	5,205	318	418	511	288	72	3,161		
Hispanic									
Total, 16 years and over	8,765	388	758	1,035	591	149	5,247		
'Men	5,262	158	361	553	352	77	3,478		
'Women	3,503	231	397	482	239	73	1,769		
FAMILY RELATIONSHIP									
Husbands	17,570	147	284	559	507	141	15,607		
Wives	17,173	364	855	1,137	933	264	12,903		
Women who maintain families	5,210	240	341	471	325	111	3,347		
Men who maintain families	1,800	16	103	106	61	26	1,437		
Other persons in families:									
'Men	8,226	444	1,038	1,055	468	79	4,263		
'Women	6,786	508	1,156	1,000	421	58	2,682		
All other men**	7,730	149	269	566	310	75	5,984		
All other women**	6,586	247	460	551	348	108	4,438		

Notes:

* Data show 2,251,000 workers earning \$5.00. This is probably consistent with responding rounding their earnings and/or lag in compliance with minimum wage laws.

** The majority of these persons are living alone or with a non-relative.

Data exclude the incorporated self employed. Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups. Also note that the distinction between full- and part-time workers is based on hours usually worked. These data will not sum to totals because full- or part-time status on the principal job is not identifiable for a small number of multiple jobholders.

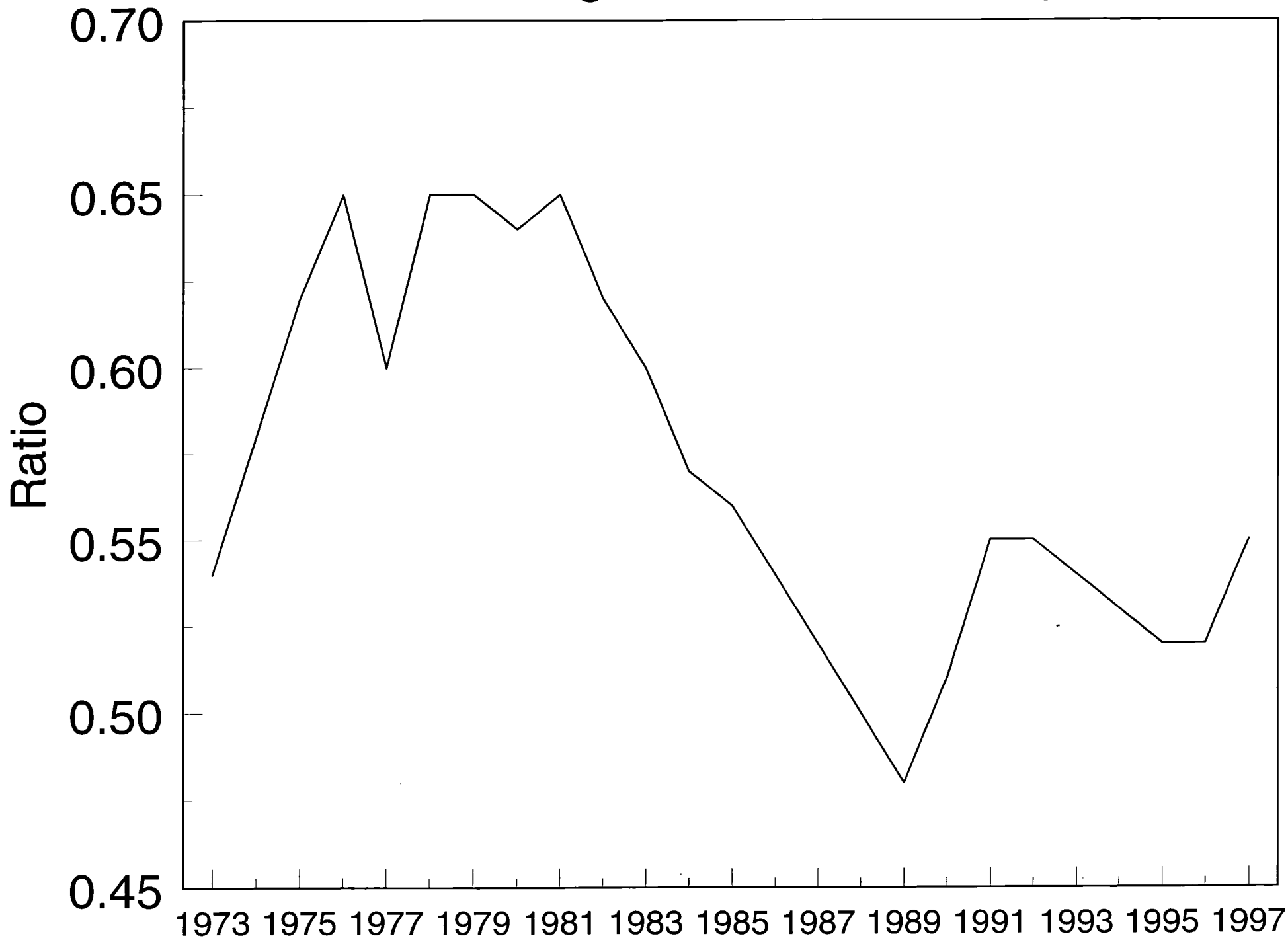
Source: U.S. Department of Labor, Bureau of Labor Statistics, unpublished tabulations from the CPS, 1997.

1996 Pov threshold for adult w/ 2 kids is \$12,641

Minwage	earnings (full time f	EITC (1997)	earn+EITC
5.15	10300	3312.722	13612.72
5.65	11300	3523.322	14823.32
6	12000	3670.742	15670.74
6.15	12300	3733.922	16033.92
6.3	12600	3797.102	16397.1
6.35	12700	3818.162	16518.16
6.65	13300	3944.522	17244.52
7.15	14300	4155.122	18455.12
7.25	14500	4197.242	18697.24

1996 Pov threshold for two adults w/ 2 kids = 15,911

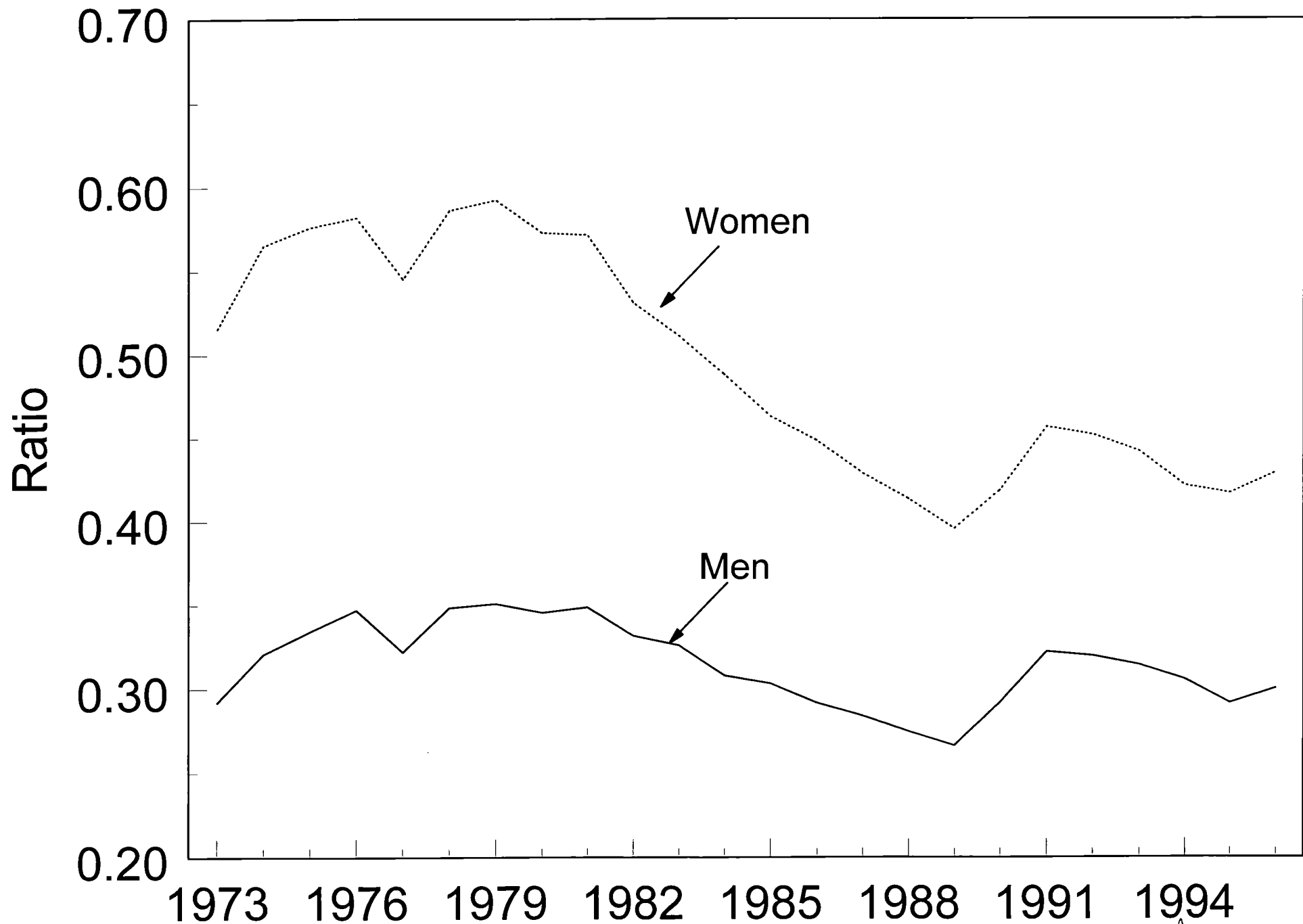
Ratio of Minimum Wage to Median Hourly Earnings



	Lanagra	LARTRD	LA5400A	LA5800A	la5300A		<u>Food Stores</u> Total	<u>Eating</u> Total	<u>Gen Merch</u> Total
.DESC	Employees	All Employee	All Employee	All Employee	All Employees	General	Food stores/Total	Eating/Total	Gen Mer/Total
9501	116234	20669	3329	7261	2677	9501	0.02864	0.06247	0.02303
9502	116517	20536	3336	7280	2676	9502	0.02863	0.06248	0.02297
9503	116694	20627	3342	7302	2644	9503	0.02864	0.06257	0.02266
9504	116891	20866	3354	7310	2680	9504	0.02869	0.06254	0.02293
9505	116855	21139	3358	7312	2675	9505	0.02874	0.06257	0.02289
9506	117064	21384	3366	7353	2684	9506	0.02875	0.06281	0.02293
9507	117142	21333	3369	7372	2685	9507	0.02876	0.06293	0.02292
9508	117465	21410	3380	7389	2681	9508	0.02877	0.06290	0.02282
9509	117636	21364	3382	7416	2685	9509	0.02875	0.06304	0.02282
9510	117775	21310	3379	7401	2697	9510	0.02869	0.06284	0.02290
9511	117951	21663	3395	7428	2684	9511	0.02878	0.06298	0.02276
9512	118120	21943	3405	7436	2677	9512	0.02883	0.06295	0.02266
9601	118058	20990	3403	7440	2676	9601	0.02882	0.06302	0.02267
9602	118550	20862	3406	7457	2686	9602	0.02873	0.06290	0.02266
9603	118804	21023	3411	7491	2693	9603	0.02871	0.06305	0.02267
9604	118966	21210	3411	7485	2694	9604	0.02867	0.06292	0.02265
9605	119263	21589	3421	7493	2720	9605	0.02868	0.06283	0.02281
9606	119516	21803	3427	7499	2726	9606	0.02867	0.06274	0.02281
9607	119691	21779	3439	7505	2731	9607	0.02873	0.06270	0.02282
9608	119983	21870	3445	7510	2737	9608	0.02871	0.06259	0.02281
9609	120019	21797	3445	7509	2739	9609	0.02870	0.06257	0.02282
9610	120248	21829	3458	7516	2756	9610	0.02876	0.06250	0.02292
9611	120450	22205	3467	7530	2761	9611	0.02878	0.06252	0.02292
9612	120659	22541	3468	7551	2769	9612	0.02874	0.06258	0.02295
9701	120909	21514	3474	7552	2757	9701	0.02873	0.06246	0.02280
9702	121162	21383	3477	7556	2752	9702	0.02870	0.06236	0.02271
9703	121344	21494	3478	7525	2783	9703	0.02866	0.06201	0.02293
9704	121671	21750	3480	7571	2799	9704	0.02860	0.06223	0.02300
9705	121834	22064	3482	7572	2787	9705	0.02858	0.06215	0.02288
9706	122056	22286	3487	7595	2798	9706	0.02857	0.06223	0.02292
9707	122440	22289	3502	7639	2803	9707	0.02860	0.06239	0.02289
9708	122492	22366	3505	7618	2822	9708	0.02861	0.06219	0.02304
9709	122792	22289	3507	7626	2818	9709	0.02856	0.06211	0.02295
9710	123079	22332	3519	7623	2825	9710	0.02859	0.06194	0.02295
9711	123483	22701	3523	7653	2848	9711	0.02853	0.06198	0.02306

Avg Wage:
 July 97 8.61
 July 97 8.98
 July 97 8.12

Ratio of Minimum Wage to Mean Hourly Earnings (High School Degree)



Note: For 1996 ratio, 1995 mean hourly earnings were used with the 1996 minmum wage. *→ should be able to update*

How to convert

Suppose empirical results show the following: A 10% increase in the minimum wage reduces teen employment by 3%.

We assume this quasi-elasticity applies to all demographic groups. I.e. a 10% increase in the minimum wage reduces employment by 3%.

We want the *percent reduction in employment for the affected group* i.e. those that experience a real increase in their wage. (Assume no ripple effects).

Two transformations are needed:

1. What is the employment share of the affected group. I.e. what fraction of total employment are those earning less than the new minimum? Call this X.
2. What is the *average* percent increase in wages experienced? I.e. if the minimum wage is raised from \$5.00 to \$5.50, those who are earning \$5.00 experience a 10 percent increase in their wage while those earning 5.49 experience a .1% increase in their wage. The simplest way to calculate this is to take the average wage among those affected and the percent increase experienced by someone earning this average. (Additional wage cuts can be made if the increase is large and there is a concern that the numbers of people affected is much larger at larger wages). Call the average percent increase in wages experienced Y.

Then: the disemployment elasticity to apply is: $-.3/X$

Therefore to calculate the percent reduction in employment the relevant formula is:

$$(-.3/X) * Y$$

This percent is then applied to the number of people earning less than the new minimum to calculate the number of disemployed

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U.S. DEPARTMENT OF TREASURY
OFFICE OF ECONOMIC POLICY

DATE:

NUMBER OF PAGES TO FOLLOW: 4FAX TO: Amy Finkelstein
CEAADDRESSEE'S FAX NUMBER 395-6853

ADDRESSEE'S CONFIRMATION NUMBER _____

FROM: Phil Ellis

SENDER'S FAX NUMBERS: (202) 622-2563

SENDER'S CONFIRMATION NUMBER: (202) 622-2342

COMMENTS/SPECIAL INSTRUCTIONS:

Amy - here are my tables. The choice of which min wage levels to analyze is somewhat arbitrary, and the \$7.25 figure is probably too high to do (since even Kennedy isn't proposing it take effect until 2002)

CASE 1 - RAISE MIN WAGE TO \$5.65

roughly 6.15 by 2000

		wage range		number in range	average wage	cell elasticity	Effect of New Minimum		# of jobs lost
							% increase in wages	% drop in employment	
LOW- ELASTICITY ESTIMATES		under	\$5.00	6,306,327	\$5.15	-0.2000	9.7%	-1.9%	(122,453)
		\$5.00	\$5.24	5,434,015	\$5.15	-0.2000	9.7%	-1.9%	(105,515)
		\$5.25	\$5.49	2,016,703	\$5.29	-0.2125	6.8%	-1.4%	(29,164)
		\$5.50	\$5.74	2,062,072	\$5.53	-0.2250	2.2%	-0.5%	(10,068)
		\$5.75	\$5.99	1,111,328	\$5.80	-0.2375	0.0%	0.0%	0
		\$6.00	\$6.24	4,339,195	\$6.02	-0.2500	0.0%	0.0%	0
		\$6.25	\$6.49	1,679,404	\$6.30	-0.2625	0.0%	0.0%	0
		\$6.50	\$6.74	2,480,977	\$6.53	-0.2750	0.0%	0.0%	0
		\$6.75	\$6.99	1,151,332	\$6.83	-0.2875	0.0%	0.0%	0
		\$7.00	\$7.24	4,279,608	\$7.03	-0.3000	0.0%	0.0%	0
		\$7.25	\$7.49	1,042,767	\$7.32	-0.3125	0.0%	0.0%	0
		\$11.00	\$11.24			-0.5000			
				31,903,728					(267,200)
HIGH- ELASTICITY ESTIMATES		under	\$5.00	6,306,327	\$5.15	-0.4000	9.7%	-3.9%	(244,906)
		\$5.06	\$5.24	5,434,015	\$5.15	-0.4000	9.7%	-3.9%	(211,030)
		\$5.25	\$5.49	2,016,703	\$5.29	-0.4125	6.8%	-2.8%	(56,613)
		\$5.50	\$5.74	2,062,072	\$5.53	-0.4250	2.2%	-0.9%	(19,017)
		\$5.75	\$5.99	1,111,328	\$5.80	-0.4375	0.0%	0.0%	0
		\$6.00	\$6.24	4,339,195	\$6.02	-0.4500	0.0%	0.0%	0
		\$6.25	\$6.49	1,679,404	\$6.30	-0.4625	0.0%	0.0%	0
		\$6.50	\$6.74	2,480,977	\$6.53	-0.4750	0.0%	0.0%	0
		\$6.75	\$6.99	1,151,332	\$6.83	-0.4875	0.0%	0.0%	0
		\$7.00	\$7.24	4,279,608	\$7.03	-0.5000	0.0%	0.0%	0
		\$7.25	\$7.49	1,042,767	\$7.32	-0.5125	0.0%	0.0%	0
		\$11.00	\$11.24			-0.7000			
				31,903,728					(531,565)

no conversions

attempt at converting from -.06

9.7%

Hammes

attempt at conversion

Hammes

* Estimates based on March 1997 CPS data for hourly and salaried workers

CASE 2 -- RAISE MIN WAGE TO \$6.15

roughly Kennedy

wage range includes weekly

Effect of New Minimum

	wage range		number in range	average wage	cell elasticity	% increase in wages	% drop in employment	# of jobs lost
LOW-ELASTICITY ESTIMATES	under	\$5.00	6,306,327	\$5.15	-0.2000	19.4%	-3.9%	(244,906)
	\$5.00	\$5.24	5,434,015	\$5.15	-0.2000	19.4%	-3.9%	(211,030)
	\$5.25	\$5.49	2,016,703	\$5.29	-0.2125	16.3%	-3.5%	(69,670)
	\$5.50	\$5.74	2,062,072	\$5.53	-0.2250	11.2%	-2.5%	(52,018)
	\$5.75	\$5.99	1,111,328	\$5.80	-0.2375	6.0%	-1.4%	(15,927)
	\$6.00	\$6.24	4,339,195	\$6.02	-0.2500	2.2%	-0.5%	(23,426)
	\$6.25	\$6.49	1,679,404	\$6.30	-0.2625	0.0%	0.0%	0
	\$6.50	\$6.74	2,480,977	\$6.53	-0.2750	0.0%	0.0%	0
	\$6.75	\$6.99	1,151,332	\$6.83	-0.2875	0.0%	0.0%	0
	\$7.00	\$7.24	4,279,608	\$7.03	-0.3000	0.0%	0.0%	0
	\$7.25	\$7.49	1,042,767	\$7.32	-0.3125	0.0%	0.0%	0
	\$11.00	\$11.24			-0.5000			
			31,903,728					(616,976)
HIGH-ELASTICITY ESTIMATES	under	\$5.00	6,306,327	\$5.15	-0.4000	19.4%	-7.8%	(489,812)
	\$5.06	\$5.24	5,434,015	\$5.15	-0.4000	19.4%	-7.8%	(422,059)
	\$5.25	\$5.49	2,016,703	\$5.29	-0.4125	16.3%	-6.7%	(135,241)
	\$5.50	\$5.74	2,062,072	\$5.53	-0.4250	11.2%	-4.8%	(98,256)
	\$5.75	\$5.99	1,111,328	\$5.80	-0.4375	6.0%	-2.6%	(29,340)
	\$6.00	\$6.24	4,339,195	\$6.02	-0.4500	2.2%	-1.0%	(42,167)
	\$6.25	\$6.49	1,679,404	\$6.30	-0.4625	0.0%	0.0%	0
	\$6.50	\$6.74	2,480,977	\$6.53	-0.4750	0.0%	0.0%	0
	\$6.75	\$6.99	1,151,332	\$6.83	-0.4875	0.0%	0.0%	0
	\$7.00	\$7.24	4,279,608	\$7.03	-0.5000	0.0%	0.0%	0
	\$7.25	\$7.49	1,042,767	\$7.32	-0.5125	0.0%	0.0%	0
	\$11.00	\$11.24			-0.7000			
			31,903,728					(1,216,875)

* Estimates based on March 1997 CPS data for hourly and salaried workers

CASE 3 -- RAISE MIN WAGE TO \$6.75

					Effect of New Minimum			
		wage range	number in range	average wage	cell elasticity	% increase in wages	% drop in employment	# of jobs lost
LOW- ELASTICITY ESTIMATES	under	\$5.00	6,306,327	\$5.15	-0.2000	31.1%	-6.2%	(391,849)
	\$5.00	\$5.24	5,434,015	\$5.15	-0.2000	31.1%	-6.2%	(337,648)
	\$5.25	\$5.49	2,016,703	\$5.29	-0.2125	27.6%	-5.9%	(118,276)
	\$5.50	\$5.74	2,062,072	\$5.53	-0.2250	22.1%	-5.0%	(102,358)
	\$5.75	\$5.99	1,111,328	\$5.80	-0.2375	16.4%	-3.9%	(43,232)
	\$6.00	\$6.24	4,339,195	\$6.02	-0.2500	12.1%	-3.0%	(131,545)
	\$6.25	\$6.49	1,679,404	\$6.30	-0.2625	7.1%	-1.9%	(31,489)
	\$6.50	\$6.74	2,480,977	\$6.53	-0.2750	3.4%	-0.9%	(22,986)
	\$6.75	\$6.99	1,151,332	\$6.83	-0.2875	0.0%	0.0%	0
	\$7.00	\$7.24	4,279,608	\$7.03	-0.3000	0.0%	0.0%	0
	\$7.25	\$7.49	1,042,767	\$7.32	-0.3125	0.0%	0.0%	0
	\$11.00	\$11.24			-0.5000			
			31,903,728					(1,179,383)
HIGH- ELASTICITY ESTIMATES	under	\$5.00	6,306,327	\$5.15	-0.4000	31.1%	-12.4%	(783,699)
	\$5.06	\$5.24	5,434,015	\$5.15	-0.4000	31.1%	-12.4%	(675,295)
	\$5.25	\$5.49	2,016,703	\$5.29	-0.4125	27.6%	-11.4%	(229,595)
	\$5.50	\$5.74	2,062,072	\$5.53	-0.4250	22.1%	-9.4%	(193,343)
	\$5.75	\$5.99	1,111,328	\$5.80	-0.4375	16.4%	-7.2%	(79,637)
	\$6.00	\$6.24	4,339,195	\$6.02	-0.4500	12.1%	-5.5%	(236,782)
	\$6.25	\$6.49	1,679,404	\$6.30	-0.4625	7.1%	-3.3%	(55,480)
	\$6.50	\$6.74	2,480,977	\$6.53	-0.4750	3.4%	-1.6%	(39,703)
	\$6.75	\$6.99	1,151,332	\$6.83	-0.4875	0.0%	0.0%	0
	\$7.00	\$7.24	4,279,608	\$7.03	-0.5000	0.0%	0.0%	0
	\$7.25	\$7.49	1,042,767	\$7.32	-0.5125	0.0%	0.0%	0
	\$11.00	\$11.24			-0.7000			
			31,903,728					(2,293,534)

* Estimates based on March 1997 CPS data for hourly and salaried workers

CASE 4 -- RAISE MIN WAGE TO \$7.25

						Effect of New Minimum		
		wage range	number in range	average wage	cell elasticity	% increase in wages	% drop in employment	# of jobs lost
LOW- ELASTICITY ESTIMATES	under	\$5.00	6,306,327	\$5.15	-0.2000	40.8%	-8.2%	(514,302)
	\$5.00	\$5.24	5,434,015	\$5.15	-0.2000	40.8%	-8.2%	(443,162)
	\$5.25	\$5.49	2,016,703	\$5.29	-0.2125	37.1%	-7.9%	(158,782)
	\$5.50	\$5.74	2,062,072	\$5.53	-0.2250	31.1%	-7.0%	(144,308)
	\$5.75	\$5.99	1,111,328	\$5.80	-0.2375	25.0%	-5.9%	(65,985)
	\$6.00	\$6.24	4,339,195	\$6.02	-0.2500	20.4%	-5.1%	(221,645)
	\$6.25	\$6.49	1,679,404	\$6.30	-0.2625	15.1%	-4.0%	(66,476)
	\$6.50	\$6.74	2,480,977	\$6.53	-0.2750	11.0%	-3.0%	(75,227)
	\$6.75	\$6.99	1,151,332	\$6.83	-0.2875	6.1%	-1.8%	(20,355)
	\$7.00	\$7.24	4,279,608	\$7.03	-0.3000	3.1%	-0.9%	(40,178)
	\$7.25	\$7.49	1,042,767	\$7.32	-0.3125	0.0%	0.0%	0
	\$11.00	\$11.24			-0.5000			
			31,903,728					(1,750,421)
HIGH- ELASTICITY ESTIMATES	under	\$5.00	6,306,327	\$5.15	-0.4000	40.8%	-16.3%	(1,028,605)
	\$5.06	\$5.24	5,434,015	\$5.15	-0.4000	40.8%	-16.3%	(886,325)
	\$5.25	\$5.49	2,016,703	\$5.29	-0.4125	37.1%	-15.3%	(308,224)
	\$5.50	\$5.74	2,062,072	\$5.53	-0.4250	31.1%	-13.2%	(272,581)
	\$5.75	\$5.99	1,111,328	\$5.80	-0.4375	25.0%	-10.9%	(121,552)
	\$6.00	\$6.24	4,339,195	\$6.02	-0.4500	20.4%	-9.2%	(398,961)
	\$6.25	\$6.49	1,679,404	\$6.30	-0.4625	15.1%	-7.0%	(117,125)
	\$6.50	\$6.74	2,480,977	\$6.53	-0.4750	11.0%	-5.2%	(129,938)
	\$6.75	\$6.99	1,151,332	\$6.83	-0.4875	6.1%	-3.0%	(34,515)
	\$7.00	\$7.24	4,279,608	\$7.03	-0.5000	3.1%	-1.6%	(66,964)
	\$7.25	\$7.49	1,042,767	\$7.32	-0.5125	0.0%	0.0%	0
	\$11.00	\$11.24			-0.7000			
			31,903,728					(3,364,789)

* Estimates based on March 1997 CPS data for hourly and salaried workers

How to convert

Suppose empirical results show the following: A 10% increase in the minimum wage reduces teen employment by 3%.

We assume this quasi-elasticity applies to all demographic groups. I.e. a 10% increase in the minimum wage reduces employment by 3%.

We want the *percent reduction in employment for the affected group* i.e. those that experience a real increase in their wage. (Assume no ripple effects).

Two transformations are needed:

1. What is the employment share of the affected group. I.e. what fraction of total employment are those earning less than the new minimum? Call this X.

2. What is the *average* percent increase in wages experienced? I.e. if the minimum wage is raised from \$5.00 to \$5.50, those who are earning \$5.00 experience a 10 percent increase in their wage while those earning 5.49 experience a .1% increase in their wage. The simplest way to calculate this is to take the average wage among those affected and the percent increase experienced by someone earning this average. (Additional wage cuts can be made if the increase is large and there is a concern that the numbers of people affected is much larger at larger wages). Call the average percent increase in wages experienced Y.

Then: the disemployment elasticity to apply is: $-.3/X$

Therefore to calculate the percent reduction in employment the relevant formula is:

$$(-.3/X) * Y$$

This percent is then applied to the number of people earning less than the new minimum to calculate the number of disemployed

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Table 1.
Comparison of CBO's Economic Projections, Calendar Years 1998-2008

	Estimate ^a 1997	Forecast		Projected								
		1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Nominal GDP												
(Billions of dollars)												
January 1998	8,081	8,461	8,818	9,195	9,605	10,046	10,529	11,038	11,565	12,112	12,664	13,280
September 1997	8,053	8,415	8,802	9,223	9,672	10,165	10,684	11,227	11,794	12,388	13,011	n.a.
Nominal GDP												
(Percentage change)												
January 1998	5.8	4.7	4.2	4.3	4.5	4.6	4.8	4.8	4.8	4.7	4.7	4.7
September 1997	5.5	4.5	4.6	4.8	4.9	5.1	5.1	5.1	5.1	5.0	5.0	n.a.
Real GDP												
(Percentage change)												
January 1998	3.7	2.7	2.0	1.9	2.0	2.1	2.3	2.3	2.2	2.2	2.2	2.1
September 1997	3.4	2.1	1.9	2.1	2.2	2.4	2.4	2.4	2.3	2.3	2.3	n.a.
GDP Price Index												
(Percentage change)												
January 1998	2.0	2.0	2.2	2.3	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5
September 1997	2.0	2.4	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7	n.a.
Consumer Price Index^b												
(Percentage change)												
January 1998	2.4	2.2	2.5	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
September 1997	2.4	2.7	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	n.a.
Civilian Unemployment												
Rate (Percent)												
January 1998	4.9	4.8	5.1	5.4	5.6	5.8	5.9	5.9	5.9	5.9	5.9	5.9
September 1997	5.0	5.1	5.5	5.8	5.9	6.0	6.0	6.0	6.0	6.0	6.0	n.a.
Three-Month Treasury												
Bill Rate (Percent)												
January 1998	5.1	5.3	5.2	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
September 1997	5.2	5.4	4.7	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	n.a.
Ten-Year Treasury												
Note Rate (Percent)												
January 1998	6.4	6.0	6.1	6.0	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
September 1997	6.4	6.2	5.8	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	n.a.
Tax Bases												
(Percentage of GDP)												
Corporate profits												
January 1998	9.9	9.7	9.2	8.8	8.5	8.3	8.2	8.1	8.0	7.9	7.8	7.7
September 1997	9.5	9.1	8.8	8.6	8.3	8.1	8.0	7.9	7.8	7.7	7.7	n.a.
Wages and salaries												
January 1998	48.0	48.4	48.5	48.6	48.6	48.6	48.6	48.7	48.8	48.8	48.8	48.8
September 1997	48.0	48.2	48.2	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.4	n.a.

SOURCES: Congressional Budget Office; Department of Commerce, Bureau of Economic Analysis; Federal Reserve Board; Department of Labor, Bureau of Labor Statistics.

NOTES: Percentage change is year over year. n.a. = not applicable.

a. Estimates of nominal GDP, real GDP, and the GDP price index are based on data for the first three quarters of 1997 published November 26, 1997.

b. The consumer price index for all urban consumers.

Base = Alternative =	MWAGBASE MWAGBASE	1998	1999	2000	2001	2002	2003	2004	2005
P:LCMHB	Base Level	4.2	4.0	3.8	3.6	3.4	3.4	3.5	3.7
hourly comp	Alternative	4.8	4.1	3.8	3.6	3.6	3.4	3.4	3.6
(% change)	Difference	0.7	0.1	-0.1	0.0	0.2	0.0	-0.1	0.0
	% Difference	15.5	2.0	-2.2	0.6	4.4	1.1	-2.6	-0.3
L:LCMHB	Base Level	22.8	23.7	24.7	25.6	26.5	27.4	28.3	29.3
hourly comp	Alternative	22.9	23.9	24.8	25.7	26.7	27.6	28.5	29.6
(level)	Difference	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	% Difference	0.3	0.7	0.7	0.6	0.7	0.8	0.8	0.7
L:LEB	Base Level	104.2	105.2	106.3	107.1	107.9	109.1	110.5	111.9
employment	Alternative	104.3	105.0	105.8	107.1	108.2	109.0	110.1	111.8
(nonfarm bus)	Difference	0.0	-0.3	-0.5	0.0	0.3	-0.1	-0.4	-0.1
	% Difference	0.0	-0.3	-0.5	0.0	0.3	-0.1	-0.4	-0.1
P:LMW\$	Base Level	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
min wage	Alternative	25.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(% change)	Difference	25.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	% Difference	25.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00
L:LMW\$	Base Level	5.15	5.15	5.15	5.15	5.15	5.15	5.15	5.15
min wage	Alternative	5.65	6.15	6.15	6.15	6.15	6.15	6.15	6.15
level	Difference	0.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	% Difference	9.71	19.42	19.42	19.42	19.42	19.42	19.42	19.42
P:PGDP	Base Level	2.2	2.4	2.7	2.4	2.2	2.3	2.5	2.6
Price GDP	Alternative	2.6	2.6	2.5	2.5	2.4	2.3	2.4	2.6
(% change)	Difference	0.4	0.2	-0.1	0.1	0.2	0.0	-0.1	0.0
	% Difference	16.1	9.1	-4.3	3.3	9.9	2.1	-5.2	-0.4
L:PGDP	Base Level	114.7	117.4	120.4	123.4	126.2	129.0	132.1	135.5
Price GDP	Alternative	114.8	118.0	121.0	124.0	127.0	130.0	133.1	136.3
level	Difference	0.2	0.6	0.6	0.6	0.8	1.0	0.9	0.9
	% Difference	0.1	0.5	0.5	0.5	0.7	0.8	0.7	0.6
P:PQB	Base Level	2.0	2.2	2.5	2.2	2.0	2.1	2.3	2.4
price NF.Bus.	Alternative	2.3	2.4	2.4	2.2	2.2	2.1	2.2	2.4
(% change)	Difference	0.4	0.3	-0.1	0.1	0.3	0.1	-0.1	0.0
	% Difference	19.9	11.5	-5.7	4.2	12.8	2.5	-6.3	-0.4
L:PQB	Base Level	112.8	115.2	118.0	120.7	123.1	125.6	128.4	131.5
price NF. Bus	Alternative	112.9	115.9	118.6	121.3	124.0	126.7	129.4	132.4
(level)	Difference	0.2	0.7	0.6	0.6	0.9	1.1	1.0	0.9
	% Difference	0.2	0.6	0.5	0.5	0.7	0.9	0.8	0.7

EXECUTIVE OFFICE OF THE PRESIDENT

COUNCIL OF ECONOMIC ADVISERS
17TH & PENNSYLVANIA AVE., N.W.
WASHINGTON, DC 20502



THE OLD EXECUTIVE OFFICE BUILDING

TO: Phil Ellis

OFFICE:

FAX NUMBER:

TEL NUMBER:

622-2563

FROM:

FAX NUMBER: (202) 395-6853

TEL NUMBER:

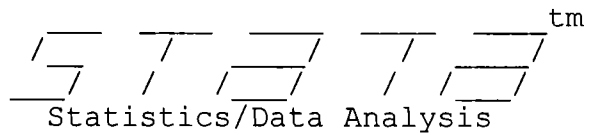
ROOM: 328

NO. OF PAGES (inc cover) 4

DATE: _____

SUBJECT: _____

MESSAGE:



User: Amy

```
1. use c:\work\wp\amy\minwage\mar97.dta;

2. gen earn = ernhr/100;

3. gen wage=earn if earn>0;
(124115 missing values generated)

4. gen group=1 if wage<5.00;
(131350 missing values generated)

5. replace group=2 if wage>=5.00 & wage < 5.25;
(530 real changes made)

6. replace group=3 if wage>=5.25 & wage<5.50;
(202 real changes made)

7. replace group=4 if wage>=5.50 & wage<5.75;
(208 real changes made)

8. replace group=5 if wage>=5.75 & wage<6.00;
(106 real changes made)

9. replace group=6 if wage>=6.00 & wage<6.25;
(435 real changes made)

10. replace group=7 if wage>=6.25 & wage<6.50;
(134 real changes made)

11. replace group=8 if wage>=6.50 & wage<6.75;
(243 real changes made)

12. replace group=9 if wage>=6.75 & wage<7.00;
(91 real changes made)

13. replace group=10 if wage>=7.00 & wage<7.25;
(438 real changes made)

14. replace group=11 if wage>=7.25 & wage<7.50;
(110 real changes made)

15. sort group;

16. by group: sum wage [w=ernwgt];

-> group=      1  (analytic weights assumed)
```

Variable	Obs	Weight	Mean	Std. Dev.	Min	Max
wage	504	462346383	4.098574	.9390636	1	4.95

```
-> group=      2
Variable |      Obs      Weight      Mean  Std. Dev.      Min      Max
-----+-----
    wage |     530  483697522    5.012108   .0419148        5     5.2
```

```
-> group=      3
Variable |      Obs      Weight      Mean  Std. Dev.      Min      Max
-----+-----
    wage |     202  183370342    5.278701   .0562393     5.25     5.48
```

```
-> group=      4
Variable |      Obs      Weight      Mean  Std. Dev.      Min      Max
-----+-----
    wage |     208  187715680    5.519386   .0469884     5.5     5.72
```

```
-> group=      5
Variable |      Obs      Weight      Mean  Std. Dev.      Min      Max
-----+-----
    wage |     106  84411545.0    5.779164   .0532505     5.75     5.98
```

```
-> group=      6
Variable |      Obs      Weight      Mean  Std. Dev.      Min      Max
-----+-----
    wage |     435  411203824    6.014034   .0468352        6     6.24
```

```
-> group=      7
Variable |      Obs      Weight      Mean  Std. Dev.      Min      Max
-----+-----
    wage |     134  114514212    6.305003   .0696777     6.25     6.48
```

```
-> group=      8
Variable |      Obs      Weight      Mean  Std. Dev.      Min      Max
-----+-----
    wage |     243  217179076    6.518075   .0477758     6.5     6.72
```

```
-> group=      9
Variable |      Obs      Weight      Mean  Std. Dev.      Min      Max
-----+-----
    wage |      91  86876951.0    6.809281   .0733227     6.75     6.99
```

```
-> group=     10
Variable |      Obs      Weight      Mean  Std. Dev.      Min      Max
-----+-----
    wage |     438  386060088    7.018685   .0521173        7     7.23
```

```
-> group=     11
Variable |      Obs      Weight      Mean  Std. Dev.      Min      Max
-----+-----
    wage |     110  93401750.0    7.315801   .0786707     7.25     7.49
```

```
-> group=      .
Variable |      Obs      Weight      Mean  Std. Dev.      Min      Max
```

```
-----+-----  
    wage |      4738      4.2268e+09      12.87077      5.737421              7.5              99
```

17. **gen indws=0;**

18. **replace indws=1 if inwag>0;**

inwag not found

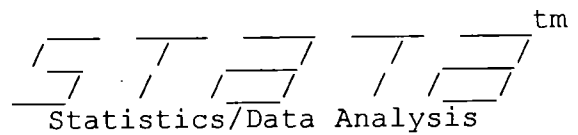
r(111);

end of do-file

r(111);

.

Stata Corporation
702 University Drive East
College Station, Texas 77840
409-696-4600, fax 409-696-4601



User: Amy

```

1. use c:\work\wp\amy\minwage\mar97.dta;

2. gen earn = ernhr/100;

3. gen wage=earn if earn>0;
(124115 missing values generated)

4. gen group=1 if wage<=5.40;
(130642 missing values generated)

5. replace group=2 if wage>5.40 & wage<=6.00;
(728 real changes made)

6. gen all=1 if esr==1 | esr==2;
(69797 missing values generated)

7. label define group 1 "<=5.40" 2 "5.41-6.00";

8. label values group group;

9. gen teen=1 if age<=20;
(90018 missing values generated)

10. replace teen=0 if age>20;
(90018 real changes made)

11. label define teen 0 adult 1 teen;

12. label values teen teen;

13. tab group teen [w=wgt], r co;
(frequency weights assumed)

```

group	teen	adult	teen	Total
<=5.40	1.670e+08	90490464	2.574e+08	
	64.85	35.15	100.00	
	58.84	71.77	62.82	
5.41-6.0	1.168e+08	35596404	1.524e+08	
	76.64	23.36	100.00	
	41.16	28.23	37.18	
Total	2.838e+08	1.261e+08	4.098e+08	
	69.24	30.76	100.00	
	100.00	100.00	100.00	

```

14. sum wage [w=wgt];

```

(analytic weights assumed)

Variable	Obs	Weight	Mean	Std. Dev.	Min	Max
wage	7739	1.6243e+09	10.09286	5.744135	1	99

15. sum wage if group==1 [w=wt];

(analytic weights assumed)

Variable	Obs	Weight	Mean	Std. Dev.	Min	Max
wage	1212	257445468	4.655113	.7941303	1	5.36

16. sum wage if group==2 [w=wt];

(analytic weights assumed)

Variable	Obs	Weight	Mean	Std. Dev.	Min	Max
wage	728	152398772	5.817346	.2235998	5.4	6

17. gen poor=0 if povllr<=3;

(112749 missing values generated)

18. replace poor=1 if povllr>3 & povllr<=7;

(27058 real changes made)

19. replace poor=2 if povllr>7;

(85691 real changes made)

20. label define poor 0 "blwpov" 1 "pov-200pov" 2 "abv200";**21. label values poor poor;****22. tab group poor [w=wt], r co;**

(frequency weights assumed)

	poor			
group	blwpov	pov-200p	abv200	Total
<=5.40	45321284	61363948	1.508e+08	2.574e+08
	17.60	23.84	58.56	100.00
	69.04	61.97	61.49	62.82
5.41-6.0	20328394	37663955	94406423	1.524e+08
	13.34	24.71	61.95	100.00
	30.96	38.03	38.51	37.18
Total	65649678	99027903	2.452e+08	4.098e+08
	16.02	24.16	59.82	100.00
	100.00	100.00	100.00	100.00

23. sum faminc [w=wt];

(analytic weights assumed)

Variable	Obs	Weight	Mean	Std. Dev.	Min	Max
faminc	131854	2.6679e+10	49595.58	51405.85	-2513	723980

24. **sum faminc if group==1 [w=wt];**
(analytic weights assumed)

Variable	Obs	Weight	Mean	Std. Dev.	Min	Max
faminc	1212	257445468	43009.36	44080.09	0	405821

25. **sum faminc if group==2 [w=wt];**
(analytic weights assumed)

Variable	Obs	Weight	Mean	Std. Dev.	Min	Max
faminc	728	152398772	41777.82	43597.23	0	380594

26. **gen demogr=0 if teen==0 & sex==2 & marstat==1 | marstat==2;**
(104558 missing values generated)

27. **replace demogr=1 if teen==0 & sex==1 & marstat==1 | marstat==2;**
(27795 real changes made)

28. **replace demogr=2 if teen==0 & marstat>=3 & faml8==0;**
(26981 real changes made)

29. **replace demogr=3 if teen==0 & marstat>=3 & faml8>0;**
(8371 real changes made)

30. **replace demogr=4 if teen==1;**
(41836 real changes made)

31. **label define demogr 0 marrfe 1 marrma 2 singnoch 3 singch 4 teen;**

32. **label values demogr demogr;**

33. **tab group demogr [w=wt], r co;**
(frequency weights assumed)

group	demogr					Total
	marrfe	marrma	singnoch	singch	teen	
<=5.40	50022334	19784505	66419179	30728986	90490464	2.574e+08
	19.43	7.68	25.80	11.94	35.15	100.00
	57.26	52.23	61.32	61.21	71.77	62.82
5.41-6.0	37343441	18094660	41889858	19474409	35596404	1.524e+08
	24.50	11.87	27.49	12.78	23.36	100.00
	42.74	47.77	38.68	38.79	28.23	37.18
Total	87365775	37879165	1.083e+08	50203395	1.261e+08	4.098e+08
	21.32	9.24	26.43	12.25	30.76	100.00

	100.00	100.00	100.00	100.00	100.00		100.00
--	--------	--------	--------	--------	--------	--	--------

34. label define race 1 white 2 black 3 "AI/NA" 4 Asian;

35. label values race race;

36. tab group race [w=wgt], r co;
(frequency weights assumed)

group	Race				Total
	white	black	AI/NA	Asian	
<=5.40	2.040e+08	42723563	2980534	7729019	2.574e+08
	79.24	16.60	1.16	3.00	100.00
	62.18	67.05	64.61	57.53	62.82
5.41-6.0	1.241e+08	20997376	1632428	5704854	1.524e+08
	81.41	13.78	1.07	3.74	100.00
	37.82	32.95	35.39	42.47	37.18
Total	3.281e+08	63720939	4612962	13433873	4.098e+08
	80.05	15.55	1.13	3.28	100.00
	100.00	100.00	100.00	100.00	100.00

37. gen hisp=1 if spneth<8;
(111736 missing values generated)

38. replace hisp=0 if spneth==8;
(110962 real changes made)

39. label define hisp 1 hispanic 0 "non-hisp";

40. label values hisp hisp;

41. gen educ=0 if grdatn<=38;
(76699 missing values generated)

42. replace educ=1 if grdatn==39;
(31712 real changes made)

43. replace educ=2 if grdatn>39 & grdatn<=42;
(24677 real changes made)

44. replace educ=3 if grdatn>=43;
(20310 real changes made)

45. label define educ 0 "<hs" 1 "hs" 2 ">hs,<coll" 3 ">=coll";

46. label values educ educ;

47. tab group educ [w=wgt], r co;
(frequency weights assumed)

group	educ	<hs	hs	>hs,<col	>=coll	Total
<=5.40	98007025	79798961	68237086	11402396	2.574e+08	
	38.07	31.00	26.51	4.43	100.00	
	68.84	58.48	61.16	58.65	62.82	
5.41-6.0	44369996	56663134	43327554	8038088	1.524e+08	
	29.11	37.18	28.43	5.27	100.00	
	31.16	41.52	38.84	41.35	37.18	
Total	1.424e+08	1.365e+08	1.116e+08	19440484	4.098e+08	
	34.74	33.30	27.22	4.74	100.00	
	100.00	100.00	100.00	100.00	100.00	

48. tab group;

group	Freq.	Percent	Cum.
<=5.40	1212	62.47	62.47
5.41-6.0	728	37.53	100.00
Total	1940	100.00	

49. sum faminc [w=wgt], detail;
 (analytic weights assumed)

Total family income

Percentiles	Smallest		
1%	0		
5%	5184		
10%	8700	Obs	131854
25%	19000	Sum of Wgt.	2.6679e+10
50%	37830	Mean	49595.58
		Std. Dev.	51405.85
75%	64000		
90%	96990	Largest	
95%	124800	688872	Variance
99%	324426	688872	2.64e+09
		723980	Skewness
		723980	3.744179
			Kurtosis
			24.73207

50. sum faminc if group==1 [w=wgt], detail;
 (analytic weights assumed)

Total family income

Percentiles	Smallest		
1%	0		
5%	4447		
10%	7500	Obs	1212
25%	14000	Sum of Wgt.	257445468

50%	32000		Mean	43009.36
		Largest	Std. Dev.	44080.09
75%	57829	361952		
90%	90371	390381	Variance	1.94e+09
95%	113573	394080	Skewness	3.42195
99%	197826	405821	Kurtosis	22.12939

51. sum faminc if group==2 [w=wt], detail;
(analytic weights assumed)

Total family income				
Percentiles		Smallest		
1%	1089	0		
5%	6000	0		
10%	8672	0	Obs	728
25%	16000	0	Sum of Wgt.	152398772
50%	29804		Mean	41777.82
		Largest	Std. Dev.	43597.23
75%	54005	338932		
90%	81200	338932	Variance	1.90e+09
95%	103652	364052	Skewness	3.95826
99%	209616	380594	Kurtosis	26.59616

52. tab poor [w=wt];
(frequency weights assumed)

poor	Freq.	Percent	Cum.
blwpov	3.7103e+09	13.91	13.91
pov-200p	5.2571e+09	19.70	33.61
abv200	1.7712e+10	66.39	100.00
Total	2.6679e+10	100.00	

53. tab group poor if poor==0 & age>20 [w=wt];
(frequency weights assumed)

group	poor	
group	blwpov	Total
<=5.40	34647691	34647691
5.41-6.0	14903630	14903630
Total	49551321	49551321

54. sum poor if poor==0 & age>20 & ernel==1 [w=wt];
(analytic weights assumed)

Variable	Obs	Weight	Mean	Std. Dev.	Min	Max
----------	-----	--------	------	-----------	-----	-----

poor | 613 122353543 0 0 0 0

55. gen Kennedy=1 if wage<=7.25;
(128914 missing values generated)

56. replace Kennedy=0 if wage>7.25;
(128914 real changes made)

57. tab Kennedy teen [w=wgt], r co;
(frequency weights assumed)

Kennedy	teen	adult	teen	Total
0	1.799e+10	8.077e+09	2.606e+10	
	69.01	30.99	100.00	
	97.50	98.12	97.69	
1	4.615e+08	1.547e+08	6.162e+08	
	74.89	25.11	100.00	
	2.50	1.88	2.31	
Total	1.845e+10	8.232e+09	2.668e+10	
	69.15	30.85	100.00	
	100.00	100.00	100.00	

58. sum faminc if Kennedy==1 [w=wgt], detail;
(analytic weights assumed)

Total family income				
Percentiles	Smallest			
1%	540	0		
5%	5015	0		
10%	8400	0	Obs	2940
25%	15000	0	Sum of Wgt.	616213275
50%	31177		Mean	41682.39
		Largest	Std. Dev.	41623.81
75%	55200	390381		
90%	82066	390381	Variance	1.73e+09
95%	106289	394080	Skewness	3.682458
99%	197557	405821	Kurtosis	25.26402

59. tab Kennedy poor [w=wgt], r co;
(frequency weights assumed)

Kennedy	poor	blwpov	pov-200p	abv200	Total
0	3.625e+09	5.100e+09	1.734e+10	2.606e+10	
	13.91	19.57	66.52	100.00	
	97.70	97.01	97.89	97.69	

1	85314324	1.574e+08	3.735e+08	6.162e+08
	13.84	25.55	60.61	100.00
	2.30	2.99	2.11	2.31
Total	3.710e+09	5.257e+09	1.771e+10	2.668e+10
	13.91	19.70	66.39	100.00
	100.00	100.00	100.00	100.00

60. tab Kennedy demogr [w=wtg], r co;
(frequency weights assumed)

Kennedy	demogr	marrfe	marrma	singnoch	singch	teen	Total
0	5.207e+09	5.447e+09	5.659e+09	1.673e+09	8.077e+09	2.606e+10	
	19.98	20.90	21.71	6.42	30.99	100.00	
	97.32	98.78	97.07	95.44	98.12	97.69	
1	1.435e+08	67445209	1.707e+08	79858579	1.547e+08	6.162e+08	
	23.29	10.95	27.70	12.96	25.11	100.00	
	2.68	1.22	2.93	4.56	1.88	2.31	
Total	5.350e+09	5.514e+09	5.830e+09	1.753e+09	8.232e+09	2.668e+10	
	20.05	20.67	21.85	6.57	30.85	100.00	
	100.00	100.00	100.00	100.00	100.00	100.00	

61. tab Kennedy race [w=wtg], r co;
(frequency weights assumed)

Kennedy	Race				Total
	white	black	AI/NA	Asian	
0	2.151e+10	3.328e+09	2.367e+08	9.851e+08	2.606e+10
	82.54	12.77	0.91	3.78	100.00
	97.76	97.25	97.28	97.82	97.69
1	4.934e+08	94150113	6627647	22003675	6.162e+08
	80.07	15.28	1.08	3.57	100.00
	2.24	2.75	2.72	2.18	2.31
Total	2.201e+10	3.422e+09	2.433e+08	1.007e+09	2.668e+10
	82.49	12.83	0.91	3.77	100.00
	100.00	100.00	100.00	100.00	100.00

62. tab group hisp [w=wtg], r co;
(frequency weights assumed)

group	hisp	non-hisp	hispanic	Total

<=5.40	2.332e+08	23003298	2.562e+08
	91.02	8.98	100.00
	63.44	57.07	62.81

5.41-6.0	1.344e+08	17301255	1.517e+08
	88.59	11.41	100.00
	36.56	42.93	37.19

Total	3.675e+08	40304553	4.078e+08
	90.12	9.88	100.00
	100.00	100.00	100.00

63. tab Kennedy hisp [w=wgt], r co;
(frequency weights assumed)

Kennedy	hisp		Total
	non-hisp	hispanic	
0	2.298e+10	2.910e+09	2.589e+10
	88.76	11.24	100.00
	97.65	97.98	97.69
1	5.535e+08	60019741	6.135e+08
	90.22	9.78	100.00
	2.35	2.02	2.31
Total	2.353e+10	2.970e+09	2.650e+10
	88.79	11.21	100.00
	100.00	100.00	100.00

64. tab Kennedy educ [w=wgt], r co;
(frequency weights assumed)

Kennedy	educ				Total
	<hs	hs	>hs,<col	>=coll	
0	1.055e+10	6.325e+09	4.965e+09	4.219e+09	2.606e+10
	40.49	24.27	19.05	16.19	100.00
	98.29	96.54	96.59	99.26	97.69
1	1.831e+08	2.264e+08	1.751e+08	31639429	6.162e+08
	29.71	36.74	28.42	5.13	100.00
	1.71	3.46	3.41	0.74	2.31
Total	1.074e+10	6.551e+09	5.140e+09	4.251e+09	2.668e+10
	40.24	24.56	19.27	15.93	100.00
	100.00	100.00	100.00	100.00	100.00

65. tab all teen [w=wgt], r co;
(frequency weights assumed)

	all	teen	adult	teen	Total
1	1.192e+10	8.791e+08		1.280e+10	
	93.13	6.87		100.00	
	100.00	100.00		100.00	
Total	1.192e+10	8.791e+08		1.280e+10	
	93.13	6.87		100.00	
	100.00	100.00		100.00	

```
66. sum faminc if all==1 [w=wt], detail;
(analytic weights assumed)
```

Total family income				
Percentiles		Smallest		
1%	2639	-1677		
5%	9994	-1677		
10%	14910	-1391	Obs	62057
25%	26900	-824	Sum of Wgt.	1.2804e+10
50%	46800		Mean	58003.73
		Largest	Std. Dev.	52841.18
75%	72424	678766		
90%	106700	688872	Variance	2.79e+09
95%	134300	723980	Skewness	3.599865
99%	333016	723980	Kurtosis	23.09041

```
67. tab all poor [w=wt], r co;
(frequency weights assumed)
```

	poor			
all	blwpov	pov-200p	abv200	Total
1	7.763e+08	1.858e+09	1.017e+10	1.280e+10
	6.06	14.51	79.43	100.00
	100.00	100.00	100.00	100.00
Total	7.763e+08	1.858e+09	1.017e+10	1.280e+10
	6.06	14.51	79.43	100.00
	100.00	100.00	100.00	100.00

```
68. tab all demogr [w=wt], r co;
(frequency weights assumed)
```

	demogr						
all	marrfe	marrma	singnoch	singch	teen	Total	
1	3.219e+09	4.089e+09	3.495e+09	1.122e+09	8.791e+08	1.280e+10	
	25.14	31.94	27.30	8.76	6.87	100.00	
	100.00	100.00	100.00	100.00	100.00	100.00	

Total	3.219e+09	4.089e+09	3.495e+09	1.122e+09	8.791e+08	1.280e+10
	25.14	31.94	27.30	8.76	6.87	100.00
	100.00	100.00	100.00	100.00	100.00	100.00

69. tab all race [w=wgt], r co;
(frequency weights assumed)

	Race				
all	white	black	AI/NA	Asian	Total
1	1.087e+10	1.356e+09	93380820	4.806e+08	1.280e+10
	84.92	10.59	0.73	3.75	100.00
	100.00	100.00	100.00	100.00	100.00
Total	1.087e+10	1.356e+09	93380820	4.806e+08	1.280e+10
	84.92	10.59	0.73	3.75	100.00
	100.00	100.00	100.00	100.00	100.00

70. tab group hisp [w=wgt], r co;
(frequency weights assumed)

	hisp		
group	non-hisp	hispanic	Total
<=5.40	2.332e+08	23003298	2.562e+08
	91.02	8.98	100.00
	63.44	57.07	62.81
5.41-6.0	1.344e+08	17301255	1.517e+08
	88.59	11.41	100.00
	36.56	42.93	37.19
Total	3.675e+08	40304553	4.078e+08
	90.12	9.88	100.00
	100.00	100.00	100.00

71. tab all hisp [w=wgt], r co;
(frequency weights assumed)

	hisp		
all	non-hisp	hispanic	Total
1	1.150e+10	1.228e+09	1.272e+10
	90.35	9.65	100.00
	100.00	100.00	100.00
Total	1.150e+10	1.228e+09	1.272e+10
	90.35	9.65	100.00
	100.00	100.00	100.00

72. tab all educ [w=wgt], r co;
(frequency weights assumed)

all	educ				Total
	<hs	hs	>hs,<col	>=coll	
1	1.702e+09	4.141e+09	3.612e+09	3.349e+09	1.280e+10
	13.29	32.34	28.21	26.16	100.00
	100.00	100.00	100.00	100.00	100.00
Total	1.702e+09	4.141e+09	3.612e+09	3.349e+09	1.280e+10
	13.29	32.34	28.21	26.16	100.00
	100.00	100.00	100.00	100.00	100.00

73. sum poor if poor==0 & age>20 [w=wgt];
(analytic weights assumed)

Variable	Obs	Weight	Mean	Std. Dev.	Min	Max
poor	10155	2.0046e+09	0	0	0	0

74. sum poor if poor==0 & age>20 & all==1 [w=wgt];
(analytic weights assumed)

Variable	Obs	Weight	Mean	Std. Dev.	Min	Max
poor	3461	674618988	0	0	0	0

75. sum poor if poor==0 & age>20 & Kennedy==1 [w=wgt];
(analytic weights assumed)

Variable	Obs	Weight	Mean	Std. Dev.	Min	Max
poor	353	67843084.0	0	0	0	0

76. tab group if poor==0 & age>20 [w=wgt];
(frequency weights assumed)

group	Freq.	Percent	Cum.
<=5.40	34647691	69.92	69.92
5.41-6.0	14903630	30.08	100.00
Total	49551321	100.00	

77. gen pov200=1 if povllr<=7;
(85691 missing values generated)

78. replace pov200=0 if povllr>7;
(85691 real changes made)

79. tab group pov200 [w=wgt], r co;

(frequency weights assumed)

group	pov200		Total
	0	1	
<=5.40	1.508e+08	1.067e+08	2.574e+08
	58.56	41.44	100.00
	61.49	64.78	62.82
5.41-6.0	94406423	57992349	1.524e+08
	61.95	38.05	100.00
	38.51	35.22	37.18
Total	2.452e+08	1.647e+08	4.098e+08
	59.82	40.18	100.00
	100.00	100.00	100.00

80. tab Kennedy pov200 [w=wgt], r co;
(frequency weights assumed)

Kennedy	pov200		Total
	0	1	
0	1.734e+10	8.725e+09	2.606e+10
	66.52	33.48	100.00
	97.89	97.29	97.69
1	3.735e+08	2.427e+08	6.162e+08
	60.61	39.39	100.00
	2.11	2.71	2.31
Total	1.771e+10	8.967e+09	2.668e+10
	66.39	33.61	100.00
	100.00	100.00	100.00

81. tab all pov200 [w=wgt], r co;
(frequency weights assumed)

all	pov200		Total
	0	1	
1	1.017e+10	2.634e+09	1.280e+10
	79.43	20.57	100.00
	100.00	100.00	100.00
Total	1.017e+10	2.634e+09	1.280e+10
	79.43	20.57	100.00
	100.00	100.00	100.00

82. tab Kennedy poor if poor==0 & age>20 [w=wgt];
(frequency weights assumed)

	poor	
Kennedy	blwpov	Total
0	1.937e+09	1.937e+09
1	67843084	67843084
Total	2.005e+09	2.005e+09

83. tab all poor if poor==0 & age>20 [w=wt];
(frequency weights assumed)

	poor	
all	blwpov	Total
1	6.746e+08	6.746e+08
Total	6.746e+08	6.746e+08

84. sum poor if poor==0 & age>20 & esr==1 | esr==2 [w=wt];
(analytic weights assumed)

X?

Variable	Obs	Weight	Mean	Std. Dev.	Min	Max
poor	5478	1.0802e+09	.6794372	.9136121	0	2

85. sum pov200 if pov200==1 & age>20 & ernel==1 [w=wt];
(analytic weights assumed)

adults < 200pw in
earner study

Variable	Obs	Weight	Mean	Std. Dev.	Min	Max
pov200	2287	471493260	1	0	1	1

86. tab group pov200 if pov200==1 & age>20 [w=wt];
(frequency weights assumed)

	pov200	
group	1	Total
<=5.40	78989119	78989119
5.41-6.0	47090783	47090783
Total	1.261e+08	1.261e+08

87. tab Kennedy pov200 if pov200==1 & age>20 [w=wt];
(frequency weights assumed)

	pov200	
Kennedy	1	Total
0	5.235e+09	5.235e+09

1		1.981e+08		1.981e+08
-----+-----+-----				
Total		5.433e+09		5.433e+09

88. tab all pov200 if pov200==1 & age>20 [w=wt];
(frequency weights assumed)

		pov200		
all		1		Total
-----+-----+-----				
1		2.368e+09		2.368e+09
-----+-----+-----				
Total		2.368e+09		2.368e+09

89. sum pov200 if pov200==1 & age>20 & esr==1 | esr==2 [w=wt];
(analytic weights assumed)

Variable		Obs	Weight	Mean	Std. Dev.	Min	Max
-----+-----							
pov200		13739	2.7118e+09	.8771615	.3282637	0	1

90. sum faminc if ernel==1 [w=wt], detail;
(analytic weights assumed)

Total family income					

Percentiles		Smallest			
1%	3070	0			
5%	10107	0			
10%	15000	0	Obs	12643	
25%	27034	0	Sum of Wgt.	2.6793e+09	
			Mean	56490.06	
50%	46280		Std. Dev.	48671.05	
		Largest			
75%	70978	495002			
90%	105100	519184	Variance	2.37e+09	
95%	128624	678766	Skewness	3.534907	
99%	321303	678766	Kurtosis	23.96889	

91. tab demogr if ernel==1 [w=wt];
(frequency weights assumed)

demogr		Freq.	Percent	Cum.
-----+-----				
marrfe		696038083	25.98	25.98
marrma		798576898	29.81	55.78
singnoch		754257114	28.15	83.94
singch		231377579	8.64	92.57
teen		199003964	7.43	100.00
-----+-----				
Total		2.6793e+09	100.00	

92. tab race if ernel==1 [w=wgt];
 (frequency weights assumed)

Race	Freq.	Percent	Cum.
white	2.2508e+09	84.01	84.01
black	307643621	11.48	95.49
AI/NA	17760472	0.66	96.15
Asian	103041209	3.85	100.00
Total	2.6793e+09	100.00	

93. tab hisp if ernel==1 [w=wgt];
 (frequency weights assumed)

hisp	Freq.	Percent	Cum.
non-hisp	2.5036e+09	93.82	93.82
hispanic	164839907	6.18	100.00
Total	2.6685e+09	100.00	

94. tab educ if ernel==1 [w=wgt];
 (frequency weights assumed)

educ	Freq.	Percent	Cum.
<hs	339076109	12.66	12.66
hs	876818527	32.73	45.38
>hs,<col	790474095	29.50	74.89
>=coll	672884907	25.11	100.00
Total	2.6793e+09	100.00	

95. tab sex if ernel==1 [w=wgt];
 (frequency weights assumed)

Sex	Freq.	Percent	Cum.
Male	1.3686e+09	51.08	51.08
Female	1.3106e+09	48.92	100.00
Total	2.6793e+09	100.00	

96. tab group sex [w=wgt], r co;
 (frequency weights assumed)

group	Sex	Male	Female	Total
<=5.40		1.001e+08	1.573e+08	2.574e+08
		38.90	61.10	100.00
		61.54	63.65	62.82

5.41-6.0	62578724	89820048	1.524e+08
	41.06	58.94	100.00
	38.46	36.35	37.18
-----+-----+-----			
Total	1.627e+08	2.471e+08	4.098e+08
	39.70	60.30	100.00
	100.00	100.00	100.00

97. tab Kennedy sex [w=wgt], r co;
(frequency weights assumed)

Kennedy	Sex		Total
	Male	Female	
0	1.282e+10	1.325e+10	2.606e+10
	49.18	50.82	100.00
	98.12	97.28	97.69
1	2.457e+08	3.706e+08	6.162e+08
	39.87	60.13	100.00
	1.88	2.72	2.31
Total	1.306e+10	1.362e+10	2.668e+10
	48.97	51.03	100.00
	100.00	100.00	100.00

98. tab all sex [w=wgt], r co;
(frequency weights assumed)

all	Sex		Total
	Male	Female	
1	6.822e+09	5.982e+09	1.280e+10
	53.28	46.72	100.00
	100.00	100.00	100.00
Total	6.822e+09	5.982e+09	1.280e+10
	53.28	46.72	100.00
	100.00	100.00	100.00

99. tab sex if esr==1 | esr==2 [w=wgt];
(frequency weights assumed)

Sex	Freq.	Percent	Cum.
-----+-----+-----			
Male	6.8217e+09	53.28	53.28
Female	5.9818e+09	46.72	100.00
-----+-----+-----			
Total	1.2804e+10	100.00	

100. tab demogr if esr==1 | esr==2 [w=wgt];

(frequency weights assumed)

demogr	Freq.	Percent	Cum.
marrfe	3.2187e+09	25.14	25.14
marrma	4.0889e+09	31.94	57.07
singnoch	3.4951e+09	27.30	84.37
singch	1.1217e+09	8.76	93.13
teen	879117829	6.87	100.00
Total	1.2804e+10	100.00	

101. tab race if esr==1 | esr==2 [w=wt];

(frequency weights assumed)

Race	Freq.	Percent	Cum.
white	1.0873e+10	84.92	84.92
black	1.3564e+09	10.59	95.52
AI/NA	93380820	0.73	96.25
Asian	480630889	3.75	100.00
Total	1.2804e+10	100.00	

102. tab hisp if esr==1 | esr==2 [w=wt];

(frequency weights assumed)

hisp	Freq.	Percent	Cum.
non-hisp	1.1495e+10	90.35	90.35
hispanic	1.2280e+09	9.65	100.00
Total	1.2723e+10	100.00	

103. tab educ if esr==1 | esr==2 [w=wt];

(frequency weights assumed)

educ	Freq.	Percent	Cum.
<hs	1.7020e+09	13.29	13.29
hs	4.1411e+09	32.34	45.64
>hs,<col	3.6115e+09	28.21	73.84
>=coll	3.3488e+09	26.16	100.00
Total	1.2804e+10	100.00	

104. sort hhid incwag;

105. gen prim=0;

106. qui by hhid: replace prim=1 if _n==_N;

107. list hhid incwag prim in 1/20;

	hhid	incwag	prim
1.	100013104045381	0	0
2.	100013104045381	18000	0
3.	100013104045381	40000	1
4.	100030091716919	0	0
5.	100030091716919	0	0
6.	100030091716919	16000	0
7.	100030091716919	454816	1
8.	100037103055921	0	0
9.	100037103055921	0	0
10.	100037103055921	0	0
11.	100037103055921	30000	1
12.	100037206032251	2208	0
13.	100037206032251	28625	1
14.	100051207019251	0	0
15.	100051207019251	0	0
16.	100051207019251	0	0
17.	100051207019251	39520	1
18.	100055406073841	20000	0
19.	100055406073841	100000	1
20.	100065404034011	16000	1

108. tab group prim [w=wgt], r co;
(frequency weights assumed)

group	prim		Total
	0	1	
<=5.40	1.725e+08	84911081	2.574e+08
	67.02	32.98	100.00
	64.35	59.91	62.82
5.41-6.0	95570101	56828671	1.524e+08
	62.71	37.29	100.00
	35.65	40.09	37.18
Total	2.681e+08	1.417e+08	4.098e+08
	65.42	34.58	100.00
	100.00	100.00	100.00

109. tab Kennedy prim [w=wgt], r co;
(frequency weights assumed)

Kennedy	prim		Total
	0	1	
0	1.601e+10	1.005e+10	2.606e+10
	61.44	38.56	100.00
	97.66	97.74	97.69
1	3.835e+08	2.327e+08	6.162e+08
	62.24	37.76	100.00
	2.34	2.26	2.31

```

-----+-----+-----+
      Total | 1.640e+10  1.028e+10 | 2.668e+10
            |      61.46    38.54 |    100.00
            |    100.00    100.00 |    100.00

```

110. **tab all prim [w=wgt], r co;**
(frequency weights assumed)

```

      all | prim
           | 0      1 | Total
-----+-----+-----+
      1 | 5.433e+09 7.370e+09 | 1.280e+10
           |    42.43    57.57 |    100.00
           |    100.00    100.00 |    100.00
-----+-----+-----+
    Total | 5.433e+09 7.370e+09 | 1.280e+10
           |    42.43    57.57 |    100.00
           |    100.00    100.00 |    100.00

```

111. **sum prim if prim==1 & ernel==1 [w=wgt];**
(analytic weights assumed)

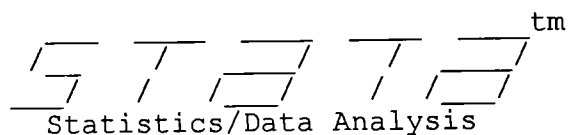
```

Variable |      Obs      Weight      Mean  Std. Dev.      Min      Max
-----+-----+-----+
    prim |    7546  1.5881e+09          1          0          1          1

```

end of do-file

Stata Corporation
702 University Drive East
College Station, Texas 77840
409-696-4600, fax 409-696-4601



User: Amy

```

1. use c:\work\wp\amy\minwage\mar97.dta;

2. gen earn = ernhr/100;

3. gen wage=earn if earn>0;
(124115 missing values generated)

4. gen group=1 if wage<=5.40;
(130642 missing values generated)

5. replace group=2 if wage>5.40 & wage<=6.00;
(728 real changes made)

6. gen all=1 if esr==1 | esr==2;
(69797 missing values generated)

7. label define group 1 "<=5.40" 2 "5.41-6.00";

8. label values group group;

9. gen teen=1 if age<=20;
(90018 missing values generated)

10. replace teen=0 if age>20;
(90018 real changes made)

11. label define teen 0 adult 1 teen;

12. label values teen teen;

13. tab group teen [w=wgt], r co;
(frequency weights assumed)

```

group	teen adult	teen	Total
<=5.40	1.670e+08 64.85 58.84	90490464 35.15 71.77	2.574e+08 100.00 62.82
5.41-6.0	1.168e+08 76.64 41.16	35596404 23.36 28.23	1.524e+08 100.00 37.18
Total	2.838e+08 69.24 100.00	1.261e+08 30.76 100.00	4.098e+08 100.00 100.00

```

14. sum wage [w=wgt];

```

(analytic weights assumed)

Variable	Obs	Weight	Mean	Std. Dev.	Min	Max
wage	7739	1.6243e+09	10.09286	5.744135	1	99

15. sum wage if group==1 [w=wt];

(analytic weights assumed)

Variable	Obs	Weight	Mean	Std. Dev.	Min	Max
wage	1212	257445468	4.655113	.7941303	1	5.36

16. sum wage if group==2 [w=wt];

(analytic weights assumed)

Variable	Obs	Weight	Mean	Std. Dev.	Min	Max
wage	728	152398772	5.817346	.2235998	5.4	6

17. gen poor=0 if povllr<=3;

(112749 missing values generated)

18. replace poor=1 if povllr>3 & povllr<=7;

(27058 real changes made)

19. replace poor=2 if povllr>7;

(85691 real changes made)

20. label define poor 0 "blwpov" 1 "pov-200pov" 2 "abv200";

21. label values poor poor;

22. tab group poor [w=wt], r co;

(frequency weights assumed)

group	poor			Total
	blwpov	pov-200p	abv200	
<=5.40	45321284	61363948	1.508e+08	2.574e+08
	17.60	23.84	58.56	100.00
	69.04	61.97	61.49	62.82
5.41-6.0	20328394	37663955	94406423	1.524e+08
	13.34	24.71	61.95	100.00
	30.96	38.03	38.51	37.18
Total	65649678	99027903	2.452e+08	4.098e+08
	16.02	24.16	59.82	100.00
	100.00	100.00	100.00	100.00

23. sum faminc [w=wt];

(analytic weights assumed)

Variable	Obs	Weight	Mean	Std. Dev.	Min	Max
faminc	131854	2.6679e+10	49595.58	51405.85	-2513	723980

24. sum faminc if group==1 [w=wt];
(analytic weights assumed)

Variable	Obs	Weight	Mean	Std. Dev.	Min	Max
faminc	1212	257445468	43009.36	44080.09	0	405821

25. sum faminc if group==2 [w=wt];
(analytic weights assumed)

Variable	Obs	Weight	Mean	Std. Dev.	Min	Max
faminc	728	152398772	41777.82	43597.23	0	380594

26. gen demogr=0 if teen==0 & sex==2 & marstat==1 | marstat==2;
(104558 missing values generated)

27. replace demogr=1 if teen==0 & sex==1 & marstat==1 | marstat==2;
(27795 real changes made)

28. replace demogr=2 if teen==0 & marstat>=3 & faml8==0;
(26981 real changes made)

29. replace demogr=3 if teen==0 & marstat>=3 & faml8>0;
(8371 real changes made)

30. replace demogr=4 if teen==1;
(41836 real changes made)

31. label define demogr 0 marrfe 1 marrma 2 singnoch 3 singch 4 teen;

32. label values demogr demogr;

33. tab group demogr [w=wt], r co;
(frequency weights assumed)

group	demogr	marrfe	marrma	singnoch	singch	teen	Total
<=5.40	50022334	19784505	66419179	30728986	90490464		2.574e+08
	19.43	7.68	25.80	11.94	35.15		100.00
	57.26	52.23	61.32	61.21	71.77		62.82
5.41-6.0	37343441	18094660	41889858	19474409	35596404		1.524e+08
	24.50	11.87	27.49	12.78	23.36		100.00
	42.74	47.77	38.68	38.79	28.23		37.18
Total	87365775	37879165	1.083e+08	50203395	1.261e+08		4.098e+08
	21.32	9.24	26.43	12.25	30.76		100.00

| 100.00 100.00 100.00 100.00 100.00 | 100.00

34. label define race 1 white 2 black 3 "AI/NA" 4 Asian;

35. label values race race;

36. tab group race [w=wgt], r co;
(frequency weights assumed)

group	Race				Total
	white	black	AI/NA	Asian	
<=5.40	2.040e+08	42723563	2980534	7729019	2.574e+08
	79.24	16.60	1.16	3.00	100.00
	62.18	67.05	64.61	57.53	62.82
5.41-6.0	1.241e+08	20997376	1632428	5704854	1.524e+08
	81.41	13.78	1.07	3.74	100.00
	37.82	32.95	35.39	42.47	37.18
Total	3.281e+08	63720939	4612962	13433873	4.098e+08
	80.05	15.55	1.13	3.28	100.00
	100.00	100.00	100.00	100.00	100.00

37. gen hisp=1 if spneth<8;
(111736 missing values generated)

38. replace hisp=0 if spneth==8;
(110962 real changes made)

39. label define hisp 1 hispanic 0 "non-hisp";

40. label values hisp hisp;

41. gen educ=0 if grdatn<=38;
(76699 missing values generated)

42. replace educ=1 if grdatn==39;
(31712 real changes made)

43. replace educ=2 if grdatn>39 & grdatn<=42;
(24677 real changes made)

44. replace educ=3 if grdatn>=43;
(20310 real changes made)

45. label define educ 0 "<hs" 1 "hs" 2 ">hs,<coll" 3 ">=coll";

46. label values educ educ;

47. tab group educ [w=wgt], r co;
(frequency weights assumed)

group	educ	<hs	hs	>hs,<col	>=coll	Total
<=5.40	98007025	79798961	68237086	11402396	2.574e+08	
	38.07	31.00	26.51	4.43	100.00	
	68.84	58.48	61.16	58.65	62.82	
5.41-6.0	44369996	56663134	43327554	8038088	1.524e+08	
	29.11	37.18	28.43	5.27	100.00	
	31.16	41.52	38.84	41.35	37.18	
Total	1.424e+08	1.365e+08	1.116e+08	19440484	4.098e+08	
	34.74	33.30	27.22	4.74	100.00	
	100.00	100.00	100.00	100.00	100.00	

48. tab group;

group	Freq.	Percent	Cum.
<=5.40	1212	62.47	62.47
5.41-6.0	728	37.53	100.00
Total	1940	100.00	

49. sum faminc [w=wgt], detail;
(analytic weights assumed)

Total family income

Percentiles	Smallest		
1%	0	-2513	
5%	5184	-2513	
10%	8700	-1677	Obs 131854
25%	19000	-1677	Sum of Wgt. 2.6679e+10
50%	37830		Mean 49595.58
		Largest	Std. Dev. 51405.85
75%	64000	688872	
90%	96990	688872	Variance 2.64e+09
95%	124800	723980	Skewness 3.744179
99%	324426	723980	Kurtosis 24.73207

50. sum faminc if group==1 [w=wgt], detail;
(analytic weights assumed)

Total family income

Percentiles	Smallest		
1%	0	0	
5%	4447	0	
10%	7500	0	Obs 1212
25%	14000	0	Sum of Wgt. 257445468

50%	32000		Mean	43009.36
		Largest	Std. Dev.	44080.09
75%	57829	361952		
90%	90371	390381	Variance	1.94e+09
95%	113573	394080	Skewness	3.42195
99%	197826	405821	Kurtosis	22.12939

51. sum faminc if group==2 [w=wtg], detail;
(analytic weights assumed)

Total family income

Percentiles		Smallest		
1%	1089	0		
5%	6000	0		
10%	8672	0	Obs	728
25%	16000	0	Sum of Wgt.	152398772

50%	29804		Mean	41777.82
		Largest	Std. Dev.	43597.23
75%	54005	338932		
90%	81200	338932	Variance	1.90e+09
95%	103652	364052	Skewness	3.95826
99%	209616	380594	Kurtosis	26.59616

52. tab poor [w=wtg];
(frequency weights assumed)

poor	Freq.	Percent	Cum.

blwpov	3.7103e+09	13.91	13.91
pov-200p	5.2571e+09	19.70	33.61
abv200	1.7712e+10	66.39	100.00

Total	2.6679e+10	100.00	

53. tab group poor if poor==0 & age>20 [w=wtg];
(frequency weights assumed)

group	poor	
group	blwpov	Total

<=5.40	34647691	34647691
5.41-6.0	14903630	14903630

Total	49551321	49551321

54. sum poor if poor==0 & age>20 & ernel==1 [w=wtg];
(analytic weights assumed)

Variable	Obs	Weight	Mean	Std. Dev.	Min	Max

poor | 613 122353543 0 0 0 0

55. gen Kennedy=1 if wage<=7.25;
(128914 missing values generated)

56. replace Kennedy=0 if wage>7.25;
(128914 real changes made)

57. gen Realken=1 if wage<=6.40;
(129760 missing values generated)

58. tab Realken teen [w=wgt], r co;
(frequency weights assumed)

Realken	teen	adult	teen	Total
1	3.118e+08	1.300e+08	4.418e+08	
	70.57	29.43	100.00	
	100.00	100.00	100.00	
Total	3.118e+08	1.300e+08	4.418e+08	
	70.57	29.43	100.00	
	100.00	100.00	100.00	

59. sum faminc if Realken==1 [w=wgt], detail;
(analytic weights assumed)

Total family income					
Percentiles	Smallest				
1%	120	0			
5%	5000	0			
10%	8000	0	Obs	2094	
25%	14984	0	Sum of Wgt.	441798313	
50%	31600		Mean	42598.87	
			Std. Dev.	43148.67	
75%	56174	380594			
90%	85992	390381	Variance	1.86e+09	
95%	108096	394080	Skewness	3.571902	
99%	197557	405821	Kurtosis	23.66753	

60. tab Realken poor [w=wgt], r co;
(frequency weights assumed)

Realken	poor	blwpov	pov-200p	abv200	Total
1	68693449	1.073e+08	2.658e+08	4.418e+08	
	15.55	24.29	60.16	100.00	
	100.00	100.00	100.00	100.00	

Total	68693449	1.073e+08	2.658e+08	4.418e+08
	15.55	24.29	60.16	100.00
	100.00	100.00	100.00	100.00

61. tab Realken demogr [w=wtg], r co;
(frequency weights assumed)

Realken	demogr	marrfe	marrma	singnoch	singch	teen	Total
1	99472828	42566516	1.154e+08	54307049	1.300e+08	4.418e+08	
	22.52	9.63	26.13	12.29	29.43	100.00	
	100.00	100.00	100.00	100.00	100.00	100.00	
Total	99472828	42566516	1.154e+08	54307049	1.300e+08	4.418e+08	
	22.52	9.63	26.13	12.29	29.43	100.00	
	100.00	100.00	100.00	100.00	100.00	100.00	

62. tab Realken race [w=wtg], r co;
(frequency weights assumed)

Realken	Race	white	black	AI/NA	Asian	Total
1	3.539e+08	68353311	5280204	14303572	4.418e+08	
	80.10	15.47	1.20	3.24	100.00	
	100.00	100.00	100.00	100.00	100.00	
Total	3.539e+08	68353311	5280204	14303572	4.418e+08	
	80.10	15.47	1.20	3.24	100.00	
	100.00	100.00	100.00	100.00	100.00	

63. tab group hisp [w=wtg], r co;
(frequency weights assumed)

group	hisp	non-hisp	hispanic	Total
<=5.40	2.332e+08	23003298	2.562e+08	
	91.02	8.98	100.00	
	63.44	57.07	62.81	
5.41-6.0	1.344e+08	17301255	1.517e+08	
	88.59	11.41	100.00	
	36.56	42.93	37.19	
Total	3.675e+08	40304553	4.078e+08	
	90.12	9.88	100.00	
	100.00	100.00	100.00	

64. tab Realken hisp [w=wgt], r co;
(frequency weights assumed)

Realken	hisp		Total
	non-hisp	hispanic	
1	3.971e+08	42660708	4.398e+08
	90.30	9.70	100.00
	100.00	100.00	100.00
Total	3.971e+08	42660708	4.398e+08
	90.30	9.70	100.00
	100.00	100.00	100.00

65. tab Realken educ [w=wgt], r co;
(frequency weights assumed)

Realken	educ				Total
	<hs	hs	>hs,<col	>=coll	
1	1.498e+08	1.489e+08	1.227e+08	20319524	4.418e+08
	33.91	33.71	27.78	4.60	100.00
	100.00	100.00	100.00	100.00	100.00
Total	1.498e+08	1.489e+08	1.227e+08	20319524	4.418e+08
	33.91	33.71	27.78	4.60	100.00
	100.00	100.00	100.00	100.00	100.00

66. tab Kennedy teen [w=wgt], r co;
(frequency weights assumed)

Kennedy	teen		Total
	adult	teen	
0	1.799e+10	8.077e+09	2.606e+10
	69.01	30.99	100.00
	97.50	98.12	97.69
1	4.615e+08	1.547e+08	6.162e+08
	74.89	25.11	100.00
	2.50	1.88	2.31
Total	1.845e+10	8.232e+09	2.668e+10
	69.15	30.85	100.00
	100.00	100.00	100.00

67. sum faminc if Kennedy==1 [w=wgt], detail;
(analytic weights assumed)

Total family income

Percentiles		Smallest		
1%	540	0		
5%	5015	0		
10%	8400	0	Obs	2940
25%	15000	0	Sum of Wgt.	616213275
			Mean	41682.39
50%	31177		Std. Dev.	41623.81
75%	55200	Largest		
90%	82066	390381	Variance	1.73e+09
95%	106289	390381	Skewness	3.682458
99%	197557	394080	Kurtosis	25.26402
				405821

68. tab Kennedy poor [w=wgt], r co;
(frequency weights assumed)

		poor				
Kennedy		blwpov	pov-200p	abv200	Total	

0		3.625e+09	5.100e+09	1.734e+10	2.606e+10	
		13.91	19.57	66.52	100.00	
		97.70	97.01	97.89	97.69	

1		85314324	1.574e+08	3.735e+08	6.162e+08	
		13.84	25.55	60.61	100.00	
		2.30	2.99	2.11	2.31	

Total		3.710e+09	5.257e+09	1.771e+10	2.668e+10	
		13.91	19.70	66.39	100.00	
		100.00	100.00	100.00	100.00	

69. tab Kennedy demogr [w=wgt], r co;
(frequency weights assumed)

		demogr						
Kennedy		marrfe	marrma	singnoch	singch	teen	Total	

0		5.207e+09	5.447e+09	5.659e+09	1.673e+09	8.077e+09	2.606e+10	
		19.98	20.90	21.71	6.42	30.99	100.00	
		97.32	98.78	97.07	95.44	98.12	97.69	

1		1.435e+08	67445209	1.707e+08	79858579	1.547e+08	6.162e+08	
		23.29	10.95	27.70	12.96	25.11	100.00	
		2.68	1.22	2.93	4.56	1.88	2.31	

Total		5.350e+09	5.514e+09	5.830e+09	1.753e+09	8.232e+09	2.668e+10	
		20.05	20.67	21.85	6.57	30.85	100.00	
		100.00	100.00	100.00	100.00	100.00	100.00	

70. tab Kennedy race [w=wgt], r co;
(frequency weights assumed)

Kennedy	Race				Total
	white	black	AI/NA	Asian	
0	2.151e+10	3.328e+09	2.367e+08	9.851e+08	2.606e+10
	82.54	12.77	0.91	3.78	100.00
	97.76	97.25	97.28	97.82	97.69
1	4.934e+08	94150113	6627647	22003675	6.162e+08
	80.07	15.28	1.08	3.57	100.00
	2.24	2.75	2.72	2.18	2.31
Total	2.201e+10	3.422e+09	2.433e+08	1.007e+09	2.668e+10
	82.49	12.83	0.91	3.77	100.00
	100.00	100.00	100.00	100.00	100.00

71. tab group hisp [w=wgt], r co;
(frequency weights assumed)

group	hisp		Total
	non-hisp	hispanic	
<=5.40	2.332e+08	23003298	2.562e+08
	91.02	8.98	100.00
	63.44	57.07	62.81
5.41-6.0	1.344e+08	17301255	1.517e+08
	88.59	11.41	100.00
	36.56	42.93	37.19
Total	3.675e+08	40304553	4.078e+08
	90.12	9.88	100.00
	100.00	100.00	100.00

72. tab Kennedy hisp [w=wgt], r co;
(frequency weights assumed)

Kennedy	hisp		Total
	non-hisp	hispanic	
0	2.298e+10	2.910e+09	2.589e+10
	88.76	11.24	100.00
	97.65	97.98	97.69
1	5.535e+08	60019741	6.135e+08
	90.22	9.78	100.00
	2.35	2.02	2.31
Total	2.353e+10	2.970e+09	2.650e+10
	88.79	11.21	100.00
	100.00	100.00	100.00

73. tab Kennedy educ [w=wgt], r co;
(frequency weights assumed)

Kennedy	educ				Total
	<hs	hs	>hs,<col	>=coll	
0	1.055e+10	6.325e+09	4.965e+09	4.219e+09	2.606e+10
	40.49	24.27	19.05	16.19	100.00
	98.29	96.54	96.59	99.26	97.69
1	1.831e+08	2.264e+08	1.751e+08	31639429	6.162e+08
	29.71	36.74	28.42	5.13	100.00
	1.71	3.46	3.41	0.74	2.31
Total	1.074e+10	6.551e+09	5.140e+09	4.251e+09	2.668e+10
	40.24	24.56	19.27	15.93	100.00
	100.00	100.00	100.00	100.00	100.00

74. tab all teen [w=wgt], r co;
(frequency weights assumed)

all	teen		Total
	adult	teen	
1	1.192e+10	8.791e+08	1.280e+10
	93.13	6.87	100.00
	100.00	100.00	100.00
Total	1.192e+10	8.791e+08	1.280e+10
	93.13	6.87	100.00
	100.00	100.00	100.00

75. sum faminc if all==1 [w=wgt], detail;
(analytic weights assumed)

Total family income				
Percentiles		Smallest		
1%	2639	-1677		
5%	9994	-1677		
10%	14910	-1391	Obs	62057
25%	26900	-824	Sum of Wgt.	1.2804e+10
50%	46800	Largest	Mean	58003.73
			Std. Dev.	52841.18
75%	72424	678766		
90%	106700	688872	Variance	2.79e+09
95%	134300	723980	Skewness	3.599865
99%	333016	723980	Kurtosis	23.09041

76. tab all poor [w=wgt], r co;
(frequency weights assumed)

	all	poor blwpov	pov-200p	abv200	Total
1	7.763e+08	1.858e+09	1.017e+10	1.280e+10	
	6.06	14.51	79.43	100.00	
	100.00	100.00	100.00	100.00	
Total	7.763e+08	1.858e+09	1.017e+10	1.280e+10	
	6.06	14.51	79.43	100.00	
	100.00	100.00	100.00	100.00	

77. tab all demogr [w=wgt], r co;
(frequency weights assumed)

	all	demogr marrfe	marrma	singnoch	singch	teen	Total
1	3.219e+09	4.089e+09	3.495e+09	1.122e+09	8.791e+08	1.280e+10	
	25.14	31.94	27.30	8.76	6.87	100.00	
	100.00	100.00	100.00	100.00	100.00	100.00	
Total	3.219e+09	4.089e+09	3.495e+09	1.122e+09	8.791e+08	1.280e+10	
	25.14	31.94	27.30	8.76	6.87	100.00	
	100.00	100.00	100.00	100.00	100.00	100.00	

78. tab all race [w=wgt], r co;
(frequency weights assumed)

	all	Race white	black	AI/NA	Asian	Total
1	1.087e+10	1.356e+09	93380820	4.806e+08	1.280e+10	
	84.92	10.59	0.73	3.75	100.00	
	100.00	100.00	100.00	100.00	100.00	
Total	1.087e+10	1.356e+09	93380820	4.806e+08	1.280e+10	
	84.92	10.59	0.73	3.75	100.00	
	100.00	100.00	100.00	100.00	100.00	

79. tab group hisp [w=wgt], r co;
(frequency weights assumed)

	group	hisp non-hisp	hispanic	Total
<=5.40	2.332e+08	23003298	2.562e+08	
	91.02	8.98	100.00	
	63.44	57.07	62.81	
5.41-6.0	1.344e+08	17301255	1.517e+08	

		88.59	11.41		100.00
		36.56	42.93		37.19
-----+-----+-----+-----+-----					
Total		3.675e+08	40304553		4.078e+08
		90.12	9.88		100.00
		100.00	100.00		100.00

80. tab all hisp [w=wgt], r co;
(frequency weights assumed)

		hisp		
all		non-hisp	hispanic	Total
-----+-----+-----+-----+-----				
1		1.150e+10	1.228e+09	1.272e+10
		90.35	9.65	100.00
		100.00	100.00	100.00
-----+-----+-----+-----+-----				
Total		1.150e+10	1.228e+09	1.272e+10
		90.35	9.65	100.00
		100.00	100.00	100.00

81. tab all educ [w=wgt], r co;
(frequency weights assumed)

		educ				
all		<hs	hs	>hs,<col	>=coll	Total
-----+-----+-----+-----+-----+-----+-----						
1		1.702e+09	4.141e+09	3.612e+09	3.349e+09	1.280e+10
		13.29	32.34	28.21	26.16	100.00
		100.00	100.00	100.00	100.00	100.00
-----+-----+-----+-----+-----+-----+-----						
Total		1.702e+09	4.141e+09	3.612e+09	3.349e+09	1.280e+10
		13.29	32.34	28.21	26.16	100.00
		100.00	100.00	100.00	100.00	100.00

82. sum poor if poor==0 & age>20 [w=wgt];
(analytic weights assumed)

Variable		Obs	Weight	Mean	Std. Dev.	Min	Max
-----+-----+-----+-----+-----+-----+-----							
poor		10155	2.0046e+09	0	0	0	0

83. sum poor if poor==0 & age>20 & all==1 [w=wgt];
(analytic weights assumed)

Variable		Obs	Weight	Mean	Std. Dev.	Min	Max
-----+-----+-----+-----+-----+-----+-----							
poor		3461	674618988	0	0	0	0

84. sum poor if poor==0 & age>20 & Kennedy==1 [w=wgt];
(analytic weights assumed)

Variable	Obs	Weight	Mean	Std. Dev.	Min	Max
poor	353	67843084.0	0	0	0	0

85. **sum poor if poor==0 & age>20 & Realken==1 [w=wgt];**
 (analytic weights assumed)

Variable	Obs	Weight	Mean	Std. Dev.	Min	Max
poor	269	52371755.0	0	0	0	0

86. **tab group if poor==0 & age>20 [w=wgt];**
 (frequency weights assumed)

group	Freq.	Percent	Cum.
<=5.40	34647691	69.92	69.92
5.41-6.0	14903630	30.08	100.00
Total	49551321	100.00	

87. **gen pov200=1 if povllr<=7;**
 (85691 missing values generated)

88. **replace pov200=0 if povllr>7;**
 (85691 real changes made)

89. **tab group pov200 [w=wgt], r co;**
 (frequency weights assumed)

group	pov200		Total
	0	1	
<=5.40	1.508e+08	1.067e+08	2.574e+08
	58.56	41.44	100.00
	61.49	64.78	62.82
5.41-6.0	94406423	57992349	1.524e+08
	61.95	38.05	100.00
	38.51	35.22	37.18
Total	2.452e+08	1.647e+08	4.098e+08
	59.82	40.18	100.00
	100.00	100.00	100.00

90. **tab Kennedy pov200 [w=wgt], r co;**
 (frequency weights assumed)

Kennedy	pov200		Total
	0	1	
0	1.734e+10	8.725e+09	2.606e+10

		66.52	33.48	100.00
		97.89	97.29	97.69

1	3.735e+08	2.427e+08	6.162e+08	
	60.61	39.39	100.00	
	2.11	2.71	2.31	

Total	1.771e+10	8.967e+09	2.668e+10	
	66.39	33.61	100.00	
	100.00	100.00	100.00	

91. tab Realken pov200 [w=wgt], r co;
(frequency weights assumed)

		pov200		
Realken		0	1	Total

1	2.658e+08	1.760e+08	4.418e+08	
	60.16	39.84	100.00	
	100.00	100.00	100.00	

Total	2.658e+08	1.760e+08	4.418e+08	
	60.16	39.84	100.00	
	100.00	100.00	100.00	

92. tab all pov200 [w=wgt], r co;
(frequency weights assumed)

		pov200		
all		0	1	Total

1	1.017e+10	2.634e+09	1.280e+10	
	79.43	20.57	100.00	
	100.00	100.00	100.00	

Total	1.017e+10	2.634e+09	1.280e+10	
	79.43	20.57	100.00	
	100.00	100.00	100.00	

93. tab Kennedy poor if poor==0 & age>20 [w=wgt];
(frequency weights assumed)

		poor		
Kennedy		blwpov	Total	

0	1.937e+09	1.937e+09		
1	67843084	67843084		

Total	2.005e+09	2.005e+09		

94. tab Realken poor if poor==0 & age>20 [w=wgt];
(frequency weights assumed)

	poor	
Realken	blwpov	Total
1	52371755	52371755
Total	52371755	52371755

95. tab all poor if poor==0 & age>20 [w=wgt];
(frequency weights assumed)

	poor	
all	blwpov	Total
1	6.746e+08	6.746e+08
Total	6.746e+08	6.746e+08

96. sum poor if poor==0 & age>20 & esr==1 | esr==2 [w=wgt];
(analytic weights assumed)

Variable	Obs	Weight	Mean	Std. Dev.	Min	Max
poor	5478	1.0802e+09	.6794372	.9136121	0	2

97. sum pov200 if pov200==1 & age>20 & ernel==1 [w=wgt];
(analytic weights assumed)

Variable	Obs	Weight	Mean	Std. Dev.	Min	Max
pov200	2287	471493260	1	0	1	1

98. tab group pov200 if pov200==1 & age>20 [w=wgt];
(frequency weights assumed)

	pov200	
group	1	Total
<=5.40	78989119	78989119
5.41-6.0	47090783	47090783
Total	1.261e+08	1.261e+08

99. tab Kennedy pov200 if pov200==1 & age>20 [w=wgt];
(frequency weights assumed)

	pov200	
Kennedy	1	Total

0		5.235e+09		5.235e+09
1		1.981e+08		1.981e+08
-----+-----+-----				
Total		5.433e+09		5.433e+09

100. tab Realken pov200 if pov200==1 & age>20 [w=wgt];
(frequency weights assumed)

			pov200	
Realken			1	
				Total
-----+-----+-----				
1		1.369e+08		1.369e+08
-----+-----+-----				
Total		1.369e+08		1.369e+08

101. tab all pov200 if pov200==1 & age>20 [w=wgt];
(frequency weights assumed)

			pov200	
all			1	
				Total
-----+-----+-----				
1		2.368e+09		2.368e+09
-----+-----+-----				
Total		2.368e+09		2.368e+09

102. sum pov200 if pov200==1 & age>20 & esr==1 | esr==2 [w=wgt];
(analytic weights assumed)

Variable	Obs	Weight	Mean	Std. Dev.	Min	Max
-----+-----+-----						
pov200	13739	2.7118e+09	.8771615	.3282637	0	1

103. sum faminc if ernel==1 [w=wgt], detail;
(analytic weights assumed)

Total family income					
-----+-----+-----					
Percentiles		Smallest			
1%	3070	0			
5%	10107	0			
10%	15000	0	Obs	12643	
25%	27034	0	Sum of Wgt.	2.6793e+09	
			Mean	56490.06	
50%	46280		Std. Dev.	48671.05	
			Largest		
75%	70978	495002	Variance	2.37e+09	
90%	105100	519184	Skewness	3.534907	
95%	128624	678766	Kurtosis	23.96889	
99%	321303	678766			

104. tab demogr if ernel==1 [w=wgt];

(frequency weights assumed)

demogr	Freq.	Percent	Cum.
marrfe	696038083	25.98	25.98
marrma	798576898	29.81	55.78
singnoch	754257114	28.15	83.94
singch	231377579	8.64	92.57
teen	199003964	7.43	100.00
Total	2.6793e+09	100.00	

105. tab race if ernel==1 [w=wt];

(frequency weights assumed)

Race	Freq.	Percent	Cum.
white	2.2508e+09	84.01	84.01
black	307643621	11.48	95.49
AI/NA	17760472	0.66	96.15
Asian	103041209	3.85	100.00
Total	2.6793e+09	100.00	

106. tab hisp if ernel==1 [w=wt];

(frequency weights assumed)

hisp	Freq.	Percent	Cum.
non-hisp	2.5036e+09	93.82	93.82
hispanic	164839907	6.18	100.00
Total	2.6685e+09	100.00	

107. tab educ if ernel==1 [w=wt];

(frequency weights assumed)

educ	Freq.	Percent	Cum.
<hs	339076109	12.66	12.66
hs	876818527	32.73	45.38
>hs,<col	790474095	29.50	74.89
>=coll	672884907	25.11	100.00
Total	2.6793e+09	100.00	

108. tab sex if ernel==1 [w=wt];

(frequency weights assumed)

Sex	Freq.	Percent	Cum.
Male	1.3686e+09	51.08	51.08
Female	1.3106e+09	48.92	100.00

Total | 2.6793e+09 100.00

109. tab group sex [w=wt], r co;
(frequency weights assumed)

group	Sex		Total
	Male	Female	
<=5.40	1.001e+08	1.573e+08	2.574e+08
	38.90	61.10	100.00
	61.54	63.65	62.82
5.41-6.0	62578724	89820048	1.524e+08
	41.06	58.94	100.00
	38.46	36.35	37.18
Total	1.627e+08	2.471e+08	4.098e+08
	39.70	60.30	100.00
	100.00	100.00	100.00

110. tab Kennedy sex [w=wt], r co;
(frequency weights assumed)

Kennedy	Sex		Total
	Male	Female	
0	1.282e+10	1.325e+10	2.606e+10
	49.18	50.82	100.00
	98.12	97.28	97.69
1	2.457e+08	3.706e+08	6.162e+08
	39.87	60.13	100.00
	1.88	2.72	2.31
Total	1.306e+10	1.362e+10	2.668e+10
	48.97	51.03	100.00
	100.00	100.00	100.00

111. tab Realken sex [w=wt], r co;
(frequency weights assumed)

Realken	Sex		Total
	Male	Female	
1	1.747e+08	2.671e+08	4.418e+08
	39.54	60.46	100.00
	100.00	100.00	100.00
Total	1.747e+08	2.671e+08	4.418e+08
	39.54	60.46	100.00
	100.00	100.00	100.00

112. tab all sex [w=wt], r co;
(frequency weights assumed)

	Sex		
all	Male	Female	Total
1	6.822e+09	5.982e+09	1.280e+10
	53.28	46.72	100.00
	100.00	100.00	100.00
Total	6.822e+09	5.982e+09	1.280e+10
	53.28	46.72	100.00
	100.00	100.00	100.00

113. tab sex if esr==1 | esr==2 [w=wt];
(frequency weights assumed)

Sex	Freq.	Percent	Cum.
Male	6.8217e+09	53.28	53.28
Female	5.9818e+09	46.72	100.00
Total	1.2804e+10	100.00	

114. tab demogr if esr==1 | esr==2 [w=wt];
(frequency weights assumed)

demogr	Freq.	Percent	Cum.
marrfe	3.2187e+09	25.14	25.14
marrma	4.0889e+09	31.94	57.07
singnoch	3.4951e+09	27.30	84.37
singch	1.1217e+09	8.76	93.13
teen	879117829	6.87	100.00
Total	1.2804e+10	100.00	

115. tab race if esr==1 | esr==2 [w=wt];
(frequency weights assumed)

Race	Freq.	Percent	Cum.
white	1.0873e+10	84.92	84.92
black	1.3564e+09	10.59	95.52
AI/NA	93380820	0.73	96.25
Asian	480630889	3.75	100.00
Total	1.2804e+10	100.00	

116. tab hisp if esr==1 | esr==2 [w=wt];
(frequency weights assumed)

hisp	Freq.	Percent	Cum.
non-hisp	1.1495e+10	90.35	90.35
hispanic	1.2280e+09	9.65	100.00
Total	1.2723e+10	100.00	

117. tab educ if esr==1 | esr==2 [w=wgt];
(frequency weights assumed)

educ	Freq.	Percent	Cum.
<hs	1.7020e+09	13.29	13.29
hs	4.1411e+09	32.34	45.64
>hs,<col	3.6115e+09	28.21	73.84
>=coll	3.3488e+09	26.16	100.00
Total	1.2804e+10	100.00	

118. gen racegen=0 if race==1 & sex==1;
(77526 missing values generated)

119. replace racegen=1 if race==1 & sex==2;
(57595 real changes made)

120. replace racegen=2 if race==2 & sex==2;
(7570 real changes made)

121. replace racegen=3 if race==2 & sex==1;
(6122 real changes made)

122. replace racegen=4 if race==4 & sex==1;
(2110 real changes made)

123. replace racegen=5 if race==4 & sex==2;
(2341 real changes made)

124. label define racegen 0 "whtmale" 1 "whtfem" 2 "blkfem" 3 "blkmale" 4 "Asmale"
> 5 "Asfem";

125. label values racegen racegen;

126. gen ethgen=0 if hisp==1 & sex==1;
(121948 missing values generated)

127. replace ethgen=1 if hisp==1 & sex==2;
(10212 real changes made)

128. label define ethgen 0 "hispmale" 1 "hispfem";

129. label values ethgen ethgen;

130. tab group racegen [w=wgt], r co;
(frequency weights assumed)

group	racegen					Total
	whtmale	whtfem	blkfem	blkmale	Asmale	
<=5.40	82385696	1.216e+08	28668725	14054838	2179812	2.545e+08
	32.38	47.80	11.27	5.52	0.86	100.00
	61.05	62.98	67.29	66.56	47.02	62.79
5.41-6.0	52571026	71493088	13937565	7059811	2455911	1.508e+08
	34.87	47.42	9.24	4.68	1.63	100.00
	38.95	37.02	32.71	33.44	52.98	37.21
Total	1.350e+08	1.931e+08	42606290	21114649	4635723	4.052e+08
	33.30	47.66	10.51	5.21	1.14	100.00
	100.00	100.00	100.00	100.00	100.00	100.00

group	racegen	
	Asfem	Total
<=5.40	5549207	2.545e+08
	2.18	100.00
	63.07	62.79
5.41-6.0	3248943	1.508e+08
	2.15	100.00
	36.93	37.21
Total	8798150	4.052e+08
	2.17	100.00
	100.00	100.00

131. tab Kennedy racegen [w=wtg], r co;
(frequency weights assumed)

Kennedy	racegen					Total
	whtmale	whtfem	blkfem	blkmale	Asmale	
0	1.065e+10	1.086e+10	1.763e+09	1.565e+09	4.875e+08	2.583e+10
	41.24	42.06	6.83	6.06	1.89	100.00
	98.15	97.38	96.65	97.94	98.28	97.69
1	2.010e+08	2.924e+08	61178526	32971587	8525908	6.096e+08
	32.98	47.97	10.04	5.41	1.40	100.00
	1.85	2.62	3.35	2.06	1.72	2.31
Total	1.085e+10	1.115e+10	1.824e+09	1.598e+09	4.960e+08	2.644e+10
	41.05	42.19	6.90	6.04	1.88	100.00
	100.00	100.00	100.00	100.00	100.00	100.00

Kennedy	racegen	
	Asfem	Total

0	4.976e+08	2.583e+10
	1.93	100.00
	97.36	97.69
1	13477767	6.096e+08
	2.21	100.00
	2.64	2.31
Total	5.111e+08	2.644e+10
	1.93	100.00
	100.00	100.00

132. tab Realken racegen [w=wt], r co;
(frequency weights assumed)

Realken	racegen					Total
	whtmale	whtfem	blkfem	blkmale	Asmale	
1	1.435e+08	2.103e+08	44710117	23643194	4837247	4.365e+08
	32.88	48.18	10.24	5.42	1.11	100.00
	100.00	100.00	100.00	100.00	100.00	100.00
Total	1.435e+08	2.103e+08	44710117	23643194	4837247	4.365e+08
	32.88	48.18	10.24	5.42	1.11	100.00
	100.00	100.00	100.00	100.00	100.00	100.00

Realken	racegen	
	Asfem	Total
1	9466325	4.365e+08
	2.17	100.00
	100.00	100.00
Total	9466325	4.365e+08
	2.17	100.00
	100.00	100.00

133. tab all racegen [w=wt], r co;
(frequency weights assumed)

all	racegen					Total
	whtmale	whtfem	blkfem	blkmale	Asmale	
1	5.894e+09	4.979e+09	7.336e+08	6.228e+08	2.562e+08	1.271e+10
	46.37	39.18	5.77	4.90	2.02	100.00
	100.00	100.00	100.00	100.00	100.00	100.00
Total	5.894e+09	4.979e+09	7.336e+08	6.228e+08	2.562e+08	1.271e+10
	46.37	39.18	5.77	4.90	2.02	100.00
	100.00	100.00	100.00	100.00	100.00	100.00

	racegen	
all	Asfem	Total
1	2.244e+08	1.271e+10
	1.77	100.00
	100.00	100.00
Total	2.244e+08	1.271e+10
	1.77	100.00
	100.00	100.00

134. tab group ethgen [w=wgt], r co;
(frequency weights assumed)

	ethgen		
group	hispmale	hispfem	Total
<=5.40	11715339	11287959	23003298
	50.93	49.07	100.00
	54.80	59.64	57.07
5.41-6.0	9663553	7637702	17301255
	55.85	44.15	100.00
	45.20	40.36	42.93
Total	21378892	18925661	40304553
	53.04	46.96	100.00
	100.00	100.00	100.00

135. tab Kennedy ethgen [w=wgt], r co;
(frequency weights assumed)

	ethgen		
Kennedy	hispmale	hispfem	Total
0	1.491e+09	1.420e+09	2.910e+09
	51.22	48.78	100.00
	97.83	98.14	97.98
1	33141975	26877766	60019741
	55.22	44.78	100.00
	2.17	1.86	2.02
Total	1.524e+09	1.446e+09	2.970e+09
	51.31	48.69	100.00
	100.00	100.00	100.00

136. tab Realken ethgen [w=wgt], r co;
(frequency weights assumed)

Realken	ethgen		Total
	hispmale	hispfem	
1	22911696	19749012	42660708
	53.71	46.29	100.00
	100.00	100.00	100.00
Total	22911696	19749012	42660708
	53.71	46.29	100.00
	100.00	100.00	100.00

137. tab all ethgen [w=wgt], r co;
(frequency weights assumed)

all	ethgen		Total
	hispmale	hispfem	
1	7.395e+08	4.885e+08	1.228e+09
	60.22	39.78	100.00
	100.00	100.00	100.00
Total	7.395e+08	4.885e+08	1.228e+09
	60.22	39.78	100.00
	100.00	100.00	100.00

138. tab racegen if ernal==1 [w=wgt];
(frequency weights assumed)

racegen	Freq.	Percent	Cum.
whtmale	1.1781e+09	44.26	44.26
whtfem	1.0727e+09	40.31	84.57
blkfem	177661976	6.68	91.24
blkmale	129981645	4.88	96.13
Asmale	52989834	1.99	98.12
Asfem	50051375	1.88	100.00
Total	2.6615e+09	100.00	

139. tab ethgen if ernal==1 [w=wgt];
(frequency weights assumed)

ethgen	Freq.	Percent	Cum.
hispmale	99142689	60.14	60.14
hispfem	65697218	39.86	100.00
Total	164839907	100.00	

140. gen newhhid = real(hhid);

```

141. drop hhid;

142. rename newhhid hhid;

143. gen famid=(hhid*100)+famnum;

144. sort famid incwag;

145. gen prim=0;

146. qui by famid: replace prim=1 if _n==_N;

147. list famid incwag prim in 1/20;

```

	famid	incwag	prim
1.	1.39e+12	0	0
2.	1.39e+12	30000	1
3.	1.62e+12	25500	0
4.	1.62e+12	62900	1
5.	1.72e+12	0	0
6.	1.72e+12	0	0
7.	1.72e+12	0	0
8.	1.72e+12	15700	1
9.	2.34e+12	0	0
10.	2.34e+12	0	0
11.	2.34e+12	0	1
12.	2.70e+12	22000	0
13.	2.70e+12	60000	1
14.	2.84e+12	0	0
15.	2.84e+12	7000	0
16.	2.84e+12	66000	1
17.	4.50e+12	0	0
18.	4.50e+12	0	0
19.	4.50e+12	13782	0
20.	4.50e+12	27000	1

```

148. tab group prim [w=wgt], r co;
(frequency weights assumed)

```

group	prim		Total
	0	1	
<=5.40	1.880e+08	69448567	2.574e+08
	73.02	26.98	100.00
	64.28	59.16	62.82
5.41-6.0	1.045e+08	47933831	1.524e+08
	68.55	31.45	100.00
	35.72	40.84	37.18
Total	2.925e+08	1.174e+08	4.098e+08
	71.36	28.64	100.00
	100.00	100.00	100.00

149. tab Kennedy prim [w=wgt], r co;
(frequency weights assumed)

Kennedy	prim		Total
	0	1	
0	1.749e+10	8.576e+09	2.606e+10
	67.09	32.91	100.00
	97.65	97.78	97.69
1	4.213e+08	1.949e+08	6.162e+08
	68.37	31.63	100.00
	2.35	2.22	2.31
Total	1.791e+10	8.771e+09	2.668e+10
	67.12	32.88	100.00
	100.00	100.00	100.00

150. tab Realken prim [w=wgt], r co;
(frequency weights assumed)

Realken	prim		Total
	0	1	
1	3.138e+08	1.280e+08	4.418e+08
	71.02	28.98	100.00
	100.00	100.00	100.00
Total	3.138e+08	1.280e+08	4.418e+08
	71.02	28.98	100.00
	100.00	100.00	100.00

151. tab all prim [w=wgt], r co;
(frequency weights assumed)

all	prim		Total
	0	1	
1	6.332e+09	6.472e+09	1.280e+10
	49.45	50.55	100.00
	100.00	100.00	100.00
Total	6.332e+09	6.472e+09	1.280e+10
	49.45	50.55	100.00
	100.00	100.00	100.00

152. sum prim if prim==1 & ernel==1 [w=wgt];
(analytic weights assumed)

Variable	Obs	Weight	Mean	Std. Dev.	Min	Max
----------	-----	--------	------	-----------	-----	-----

```
-----+-----
prim | 6742 1.4325e+09 1 0 1 1
```

153. tab group demogr;

```

group | demogr
      | marrfe marrma singnoch singch teen | Total
-----+-----
<=5.40 | 251 99 299 138 425 | 1212
5.41-6.0 | 189 93 191 93 162 | 728
-----+-----
Total | 440 192 490 231 587 | 1940
```

154. tab group educ;

```

group | educ
      | <hs hs >hs,<col >=coll | Total
-----+-----
<=5.40 | 473 374 309 56 | 1212
5.41-6.0 | 211 280 198 39 | 728
-----+-----
Total | 684 654 507 95 | 1940
```

155. tab group racegen;

```

group | racegen
      | whtmale whtfem blkfem blkmale Asmale | Total
-----+-----
<=5.40 | 381 606 122 52 12 | 1196
5.41-6.0 | 248 352 61 30 10 | 717
-----+-----
Total | 629 958 183 82 22 | 1913
```

```

group | racegen
      | Asfem | Total
-----+-----
<=5.40 | 23 | 1196
5.41-6.0 | 16 | 717
-----+-----
Total | 39 | 1913
```

156. tab group ethgen;

```

group | ethgen
      | hispmale hispfem | Total
-----+-----
<=5.40 | 69 82 | 151
5.41-6.0 | 59 54 | 113
-----+-----
Total | 128 136 | 264
```

157. tab Realken demogr;

Realken	demogr						Total
	marrfe	marrma	singnoch	singch	teen		
1	502	215	527	248	602		2094
Total	502	215	527	248	602		2094

158. tab Realken educ;

Realken	educ					Total
	<hs	hs	>hs,<col	>=coll		
1	717	719	557	101		2094
Total	717	719	557	101		2094

159. tab Realken racegen;

Realken	racegen						Total
	whtmale	whtfem	blkfem	blkmale	Asmale		
1	672	1044	191	90	23		2062
Total	672	1044	191	90	23		2062

Realken	racegen		
	Asfem		Total
1	42		2062
Total	42		2062

160. tab Realken ethgen;

Realken	ethgen			
	hispmale	hispfem		Total
1	136	141		277
Total	136	141		277

end of do-file

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```

#delimit ;
set more 1;
log using c:\work\wp\amy\minwage\trial2.log, replace;
set maxvar 100;
use c:\work\wp\amy\minwage\mar97.dta;
gen earn = ernhr/100;
gen wage=earn if earn>0;
gen group=1 if wage<5.15;
replace group=2 if wage>=5.15 & wage<6.00;
replace group=3 if wage>=6.00 & wage<7;
gen all=1 if esr==1 | esr==2;
label define group 1 "<5.15" 2 "5.15-5.99" 3 "6.00-7.00";
label values group group;
gen teen=1 if age<=20;
replace teen=0 if age>20;
label define teen 0 adult 1 teen;
label values teen teen;
tab group teen [w=wgt], r co;
sum wage [w=wgt];
sum wage if group==1 [w=wgt];
sum wage if group==2 [w=wgt];
gen poor=0 if povllr<=3;
replace poor=1 if povllr>3 & povllr<=7;
replace poor=2 if povllr>7;
label define poor 0 "blwpov" 1 "pov-200pov" 2 "abv200";
label values poor poor;
tab group poor [w=wgt], r co;
sum faminc [w=wgt];
sum faminc if group==1 [w=wgt];
sum faminc if group==2 [w=wgt];
sum faminc if group==3 [w=wgt];
gen demogr=0 if teen==0 & sex==2 & marstat==1 | marstat==2;
replace demogr=1 if teen==0 & sex==1 & marstat==1 | marstat==2;
replace demogr=2 if teen==0 & marstat>=3 & faml8==0;
replace demogr=3 if teen==0 & marstat>=3 & faml8>0;
replace demogr=4 if teen==1;
label define demogr 0 marrfe 1 marrma 2 singnoch 3 singch 4 teen;
label values demogr demogr;
tab group demogr [w=wgt], r co;
label define race 1 white 2 black 3 "AI/NA" 4 Asian;
label values race race;
tab group race [w=wgt], r co;
gen hisp=1 if spneth<8;
replace hisp=0 if spneth==8;
label define hisp 1 hispanic 0 "non-hisp";

```