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APPENDIX A

SOURCES, NOTES, AND BASIC DATA

The data used in this paper were derived from the *Census of Population and Housing: 1960*, one-in-a-thousand sample. The sample consists of either 80-column punch cards or a magnetic tape containing 120 alpha-numeric characters for each record. There is a separate card or tape record for each person included in the sample. The sample is self-weighting; universe totals may be obtained by adding three zeros to the uninflated counts.

Each punch card contains information on the characteristics of a person, his household, family and subfamily, of the associated person, and of the housing unit in which he lives. Availability of the information in this form permits detailed cross-classification of persons by more than seventy economic, social, and demographic characteristics.²⁵

In this paper, persons employed in the industry "agriculture, forestry, and fisheries" were excluded. All other employed persons were grouped into the following seven city-size class intervals:

- Outside SMSA: Rural
 - Urban outside place and place of 2,500–9,999
 - Place of 10,000–99,999
- Inside SMSA: SMSA of under 250,000
 - SMSA of 250,000–499,999
 - SMSA of 500,000–999,999
 - SMSA of 1,000,000 or more

An urban place is a concentration of population of 2,500 or more persons, regardless of the existence of legal boundaries. A Standard Metropolitan Statistical Area (SMSA) is defined as a central city of 50,000 or more inhabitants and contiguous counties which are metropolitan in character.

²⁵ For additional information concerning the sample, see U.S. Bureau of the Census, *U.S. Census of Population and Housing: 1960, 1/1,000, 1/10,000, Two National Samples of the Population of the United States, Description and Technical Documentation*, Washington (n.d.).

Persons were cross-classified by age, color (white and nonwhite), sex, and years of school completed, into 168 cells.

<i>Age Classes</i>	<i>Education Classes</i>
14-19	Under 5 years of school completed
20-24	5-8
25-34	9-11
35-44	12
45-54	13-15
55-64	16 and over
65 and over	

Actual annual and hourly earnings and hours per person were computed for each of the 168 age, color, sex, and education cells in each of the 28 city-size-region classes. The hours data are for a single week in April 1960. Earnings and number of weeks worked are for the entire year 1959. Annual hours were estimated for each individual, and then aggregated for the various cells and groups. The following midpoints were applied to the Census data.

<i>Hours</i>		<i>Weeks</i>	
<i>Class</i>	<i>Midpoint</i>	<i>Class</i>	<i>Midpoint</i>
1-14	7.5	Under 14	7.0
15-29	22.0	14-26	20.0
30-34	32.0	27-39	33.0
35-39	37.0	40-47	43.5
40	40.0	48-49	48.5
41-48	44.5	50-52	51.0
49-59	54.0		
60 and over	64.0		

<i>Earnings</i>	
<i>Class</i>	<i>Midpoint</i>
1- 999	500
1,000- 1,999	1,500
2,000- 2,999	2,500
3,000- 3,999	3,500
4,000- 4,999	4,500
5,000- 5,999	5,500
6,000- 6,999	6,500
7,000- 9,999	8,200
10,000-14,999	12,000
15,000-24,999	18,500
25,000 and over	40,000

Persons with no earnings in 1959 are not included. This procedure leaves out persons who were only unpaid family workers in 1959 as well as new entrants to the labor force in 1960. Persons who had earnings in 1959 but left the labor force before April 1960 were also omitted. These exclusions are in addition to the exclusions of those unemployed or with a job but not at work in the survey week 1960. The latter two groups could not be included because no information concerning hours is available for them.

National average hourly earnings by color, age, sex, and education for nonagricultural employed persons are presented in Table A-1, and Table A-2 indicates the sample sizes. Sample sizes are frequently small for 14-19-year-olds and nonwhites, and the earnings figures for such cells are subject to considerable sampling error. The use of such figures to calculate "expected" and "standardized" earnings for regions or city size groups, however, does not introduce any bias into the estimates, and, provided the sample size of the group is not small, the sampling errors of the individual color-age-sex-education cells are unimportant. Table A-3 presents *annual* earnings for all of the classifications shown in Tables A-1.

TABLE A-1

Average Hourly Earnings of Nonagricultural Employed Persons,
by Color, Age, Sex, and Education, 1959

Age	Years of School Completed						Total
	0-4	5-8	9-11	12	13-15	16 and Over	
White Males							
14-19	0.98 ^a	1.51	1.45	1.40	1.61	b	1.44
20-24	1.48 ^a	1.71	1.77	1.90	2.09	2.26	1.90
25-34	1.78	2.18	2.41	2.57	2.79	3.30	2.62
35-44	2.00	2.43	2.76	3.02	3.50	4.69	3.13
45-54	1.95	2.54	2.78	3.16	4.03	5.33	3.18
55-64	2.11	2.50	2.90	3.34	4.17	5.14	3.04
65 and over	1.90	2.26	2.84	3.72	3.62	5.15	2.92
Total	1.95	2.40	2.58	2.78	3.33	4.31	2.87
White Females							
14-19	1.11 ^a	1.35	1.53	1.28	1.26	0.74 ^a	1.35
20-24	1.47 ^a	1.20	1.44	1.54	1.66	2.13	1.57
25-34	1.46 ^a	1.37	1.61	1.78	2.02	2.55	1.82
35-44	1.40 ^a	1.44	1.58	1.88	2.09	2.77	1.81
45-54	1.18 ^a	1.43	1.65	1.83	2.20	3.01	1.85
55-64	1.35	1.46	1.54	1.88	2.26	3.06	1.81
65 and over	1.22 ^a	1.12	1.57	1.82	1.59	2.64	1.52
Total	1.31	1.41	1.58	1.74	2.02	2.77	1.76
Nonwhite Males							
14-19	0.73 ^a	1.22	1.00	1.04	2.78	b	1.09
20-24	1.29 ^a	1.15	1.35	1.37	1.30 ^a	2.48 ^a	1.30
25-34	1.36	1.66	1.84	2.00	2.03	2.36	1.84
35-44	1.49	1.85	2.13	2.35	2.25	3.65	2.06
45-54	1.59	1.79	1.99	2.34	2.24 ^a	3.13 ^a	1.90
55-64	1.37	2.04	2.29 ^a	1.77 ^a	2.13 ^a	2.30 ^a	1.82
65 and over	1.50 ^a	1.61 ^a	1.47 ^a	1.85 ^a	2.43 ^a	1.80 ^a	1.60
Total	1.46	1.74	1.88	2.00	2.04	2.87	1.83

(continued)

TABLE A-1 (Continued)

Age	Years of School Completed						Total
	0-4	5-8	9-11	12	13-15	16 and Over	
Nonwhite Females							
14-19	1.36 ^a	1.08 ^a	1.10	1.44 ^a	2.00 ^a	^b	1.23
20-24	0.72 ^a	0.61 ^a	1.06	1.33	1.43 ^a	1.97 ^a	1.15
25-34	0.94 ^a	1.01	1.32	1.35	1.59	2.35 ^a	1.35
35-44	0.77 ^a	1.01	1.16	1.42	1.61 ^a	2.66 ^a	1.25
45-54	0.66	0.86	0.93	1.36	1.70 ^a	2.70 ^a	1.03
55-64	0.81	1.03	1.14 ^a	1.01 ^a	1.34 ^a	2.76 ^a	1.08
65 and over	0.62 ^a	1.19 ^a	0.77 ^a	1.47 ^a	1.72 ^a	3.04 ^a	1.05
Total	0.74	0.96	1.15	1.36	1.58	2.53	1.20
Males							
14-19	0.92 ^a	1.46	1.42	1.38	1.63	^b	1.41
20-24	1.42	1.58	1.72	1.87	2.05	2.26	1.84
25-34	1.63	2.11	2.36	2.53	2.75	3.26	2.56
35-44	1.81	2.36	2.71	2.99	3.45	4.66	3.04
45-54	1.82	2.47	2.74	3.13	3.99	5.29	3.09
55-64	1.91	2.47	2.88	3.30	4.13	5.10	2.96
65 and over	1.83	2.21	2.76	3.66	3.58	5.08	2.83
Total	1.80	2.32	2.52	2.74	3.28	4.27	2.79
Females							
14-19	1.14 ^a	1.29	1.48	1.28	1.31	0.74 ^a	1.34
20-24	1.25 ^a	1.04	1.37	1.53	1.64	2.12	1.54
25-34	1.27 ^a	1.27	1.55	1.73	1.95	2.53	1.74
35-44	1.16	1.33	1.52	1.81	2.06	2.76	1.74
45-54	0.94	1.34	1.59	1.81	2.19	3.00	1.77
55-64	1.15	1.41	1.51	1.86	2.24	3.05	1.75
65 and over	1.06	1.13	1.50	1.81	1.59	2.66	1.49
Total	1.09	1.32	1.53	1.72	1.99	2.75	1.70

(continued)

TABLE A-1 (Concluded)

Age	Years of School Completed						Total
	0-4	5-8	9-11	12	13-15	16 and Over	
Whites							
14-19	1.02 ^a	1.48	1.48	1.34	1.43	0.74 ^a	1.40
20-24	1.48	1.62	1.70	1.75	1.92	2.21	1.78
25-34	1.74	2.06	2.25	2.37	2.64	3.19	2.46
35-44	1.91	2.22	2.48	2.66	3.19	4.40	2.81
45-54	1.79	2.28	2.47	2.71	3.44	4.72	2.80
55-64	1.97	2.26	2.50	2.82	3.53	4.52	2.70
65 and over	1.77	2.00	2.50	3.20	2.96	4.55	2.58
Total	1.84	2.18	2.33	2.44	2.97	4.00	2.58
Nonwhites							
14-19	0.82 ^a	1.18	1.05	1.19 ^a	2.15 ^a	b	1.14
20-24	1.13 ^a	1.04	1.25	1.36	1.36	2.15 ^a	1.25
25-34	1.31	1.46	1.64	1.75	1.84	2.36	1.67
35-44	1.38	1.53	1.79	1.97	2.03	3.26	1.77
45-54	1.33	1.46	1.58	1.95	2.05 ^a	2.92 ^a	1.59
55-64	1.22	1.67	1.79	1.50 ^a	1.83 ^a	2.56 ^a	1.57
65 and over	1.27	1.50	1.22 ^a	1.76 ^a	2.25 ^a	2.35 ^a	1.45
Total	1.30	1.47	1.61	1.75	1.85	2.73	1.61
Total							
14-19	0.97 ^a	1.43	1.44	1.33	1.46	0.74 ^a	1.38
20-24	1.37	1.48	1.64	1.73	1.89	2.21	1.73
25-34	1.59	1.97	2.18	2.32	2.58	3.15	2.38
35-44	1.71	2.11	2.41	2.62	3.14	4.35	2.72
45-54	1.61	2.19	2.41	2.67	3.40	4.67	2.71
55-64	1.76	2.21	2.47	2.78	3.49	4.47	2.62
65 and over	1.67	1.97	2.42	3.15	2.94	4.49	2.50
Total	1.66	2.09	2.26	2.40	2.92	3.96	2.50

Source: *U.S. Censuses of Population and Housing: 1960, 1/1,000 Sample.*

^aBased on fewer than fifty observations.

^bNo observations.

TABLE A-2

*Number of Nonagricultural Employed Persons,
by Color, Age, Sex, and Education, 1959*

Age	Years of School Completed						16 and Over	Total
	0-4	5-8	9-11	12	13-15			
White Males								
14-19	17	302	834	436	77	0	1,666	
20-24	35	337	631	1,184	510	222	2,919	
25-34	140	1,225	1,680	2,534	1,001	1,356	7,936	
35-44	213	1,746	2,032	2,661	983	1,214	8,849	
45-54	250	2,402	1,608	1,578	684	772	7,294	
55-64	328	1,981	840	622	407	350	4,528	
65 and over	179	625	201	207	112	139	1,463	
Total	1,162	8,618	7,826	9,222	3,774	4,053	34,655	
White Females								
14-19	10	93	509	519	88	1	1,220	
20-24	22	94	257	948	366	155	1,842	
25-34	24	285	603	1,220	342	321	2,795	
35-44	49	637	855	1,570	403	328	3,842	
45-54	72	941	782	1,052	445	386	3,678	
55-64	84	734	412	437	260	206	2,133	
65 and over	48	246	94	98	64	54	604	
Total	309	3,030	3,512	5,844	1,968	1,451	16,114	
Nonwhite Males								
14-19	4	60	62	26	2	0	154	
20-24	22	105	94	98	27	6	352	
25-34	79	217	197	196	67	58	814	
35-44	129	295	205	146	47	37	859	
45-54	155	274	108	70	21	20	648	
55-64	124	155	38	22	9	6	354	
65 and over	47	42	12	6	3	3	113	
Total	560	1,148	716	564	176	130	3,294	

(continued)

TABLE A-2 (Concluded)

Age	Years of School Completed						Total
	0-4	5-8	9-11	12	13-15	16 and Over	
Nonwhite Females							
14-19	3	29	57	23	3	0	115
20-24	8	35	63	73	29	11	219
25-34	15	119	156	146	50	37	523
35-44	34	230	147	115	27	29	582
45-54	75	200	83	59	15	22	454
55-64	54	118	30	16	4	12	234
65 and over	20	24	7	2	2	2	57
Total	209	755	543	434	130	113	2,184

Source: See Table A-1.

TABLE A-3

*Average Annual Earnings of Nonagricultural Employed Persons,
by Color, Age, Sex, and Education, 1959*

Age	Years of School Completed						Total
	0-4	5-8	9-11	12	13-15	16 and Over	
White Males							
14-19	1,206 ^a	1,152	938	1,740	1,305	b	1,206
20-24	2,729 ^a	2,961	3,396	3,683	3,152	3,592	3,426
25-34	3,429	4,351	5,127	5,625	6,045	7,159	5,599
35-44	3,787	5,010	5,934	6,737	8,062	10,672	6,829
45-54	3,635	5,151	5,918	6,939	8,856	12,275	6,756
55-64	3,970	5,031	6,025	7,169	8,770	11,429	6,263
65 and over	3,252	3,890	4,734	7,121	6,720	9,835	5,166
Total	3,611	4,663	5,000	5,876	6,906	9,451	5,831
White Females							
14-19	900 ^a	790	857	1,465	977	1,500 ^a	1,120
20-24	2,045 ^a	1,606	1,981	2,613	2,199	2,748	2,396
25-34	2,083 ^a	2,026	2,428	2,777	3,009	3,810	2,766
35-44	2,031 ^a	2,225	2,558	3,025	3,297	4,148	2,900
45-54	1,972	2,333	2,809	3,128	3,577	4,945	3,079
55-64	2,192	2,353	2,742	3,265	3,780	4,929	3,032
65 and over	1,794 ^a	1,445	2,036	2,776	2,470	4,083	2,125
Total	1,993	2,145	2,310	2,800	3,039	4,242	2,714
Nonwhite Males							
14-19	1,250 ^a	983	694	1,385 ^a	1,500 ^a	b	948
20-24	1,864 ^a	1,943	2,245	2,446	2,019 ^a	2,667 ^a	2,177
25-34	2,627	2,946	3,435	3,761	3,590	4,352	3,383
35-44	2,725	3,318	4,114	4,517	4,417	7,495	3,863
45-54	2,786	3,377	3,720	4,780	4,314	5,600	3,543
55-64	2,460	3,640	4,111 ^a	3,114 ^a	4,022 ^a	4,733 ^a	3,273
65 and over	2,287 ^a	2,672 ^a	2,417 ^a	4,000 ^a	5,400 ^a	3,167 ^a	2,641
Total	2,588	3,033	3,297	3,723	3,685 ^a	5,351 ^a	3,259

(continued)

TABLE A-3 (Continued)

Age	Years of School Completed						Total
	0-4	5-8	9-11	12	13-15	16 and Over	
Nonwhite							
Females							
14-19	500 ^a	638 ^a	746	1,283 ^a	2,833 ^a	^b	874
20-24	1,125 ^a	814 ^a	1,325	1,692	1,948 ^a	2,227 ^a	1,486
25-34	1,233 ^a	1,441	1,862	2,082	2,860	3,592 ^a	2,028
35-44	1,029 ^a	1,438	1,704	2,404	2,859 ^a	4,483 ^a	1,890
45-54	953	1,230	1,416	2,195	2,613 ^a	3,986 ^a	1,523
55-64	1,185	1,390	1,957 ^a	1,313 ^a	3,500 ^a	3,500 ^a	1,554
65 and over	800 ^a	1,000 ^a	1,214 ^a	3,000 ^a	2,000 ^a	6,350 ^a	1,249
Total	1,031	1,302	1,569	2,051	2,634	3,804	1,700
Males							
14-19	1,214 ^a	1,124	921	1,720	1,310	^b	1,185
20-24	2,395	2,719	3,247	3,588	3,095	3,568	3,292
25-34	3,139	4,140	4,949	5,491	5,891	7,044	5,393
35-44	3,387	4,766	5,768	6,622	7,896	10,578	6,566
45-54	3,310	4,969	5,780	6,847	8,721	12,107	6,494
55-64	3,555	4,930	5,942	7,031	8,667	11,316	6,046
65 and over	3,051	3,811	4,603	7,033	6,685	9,694	4,984
Total	3,278	4,471	4,857	5,752	6,763	9,324	5,607
Females							
14-19	808 ^a	754	846	1,458	1,038	1,500 ^a	1,099
20-24	1,800 ^a	1,391	1,852	2,547	2,181	2,714	2,299
25-34	1,756 ^a	1,854	2,312	2,703	2,990	3,788	2,650
35-44	1,620	2,016	2,432	2,982	3,269	4,176	2,767
45-54	1,452	2,140	2,675	3,078	3,545	4,893	2,908
55-64	1,798	2,220	2,689	3,196	3,776	4,850	2,886
65 and over	1,501	1,406	1,979	2,780	2,456	4,164	2,050
Total	1,605	1,977	2,211	2,748	3,014	4,211	2,593

(continued)

TABLE A-3 (Concluded)

Age	Years of School Completed						Total
	0-4	5-8	9-11	12	13-15	16 and Over	
Whites							
14-19	1,093 ^a	1,067	907	1,591	1,130	1,500 ^a	1,170
20-24	2,465	2,665	2,987	3,207	2,754	3,245	3,028
25-34	3,232	3,912	4,414	4,700	5,272	6,518	4,862
35-44	3,459	4,266	4,934	5,360	6,677	9,285	5,639
45-54	3,263	4,358	4,901	5,415	6,775	9,832	5,524
55-64	3,607	4,307	4,945	5,558	6,825	9,021	5,228
65 and over	2,944	3,199	3,874	5,725	5,174	8,226	4,278
Total	3,271	4,008	4,167	4,683	5,581	8,078	4,841
Nonwhites							
14-19	929 ^a	871	718	1,337 ^a	2,300 ^a	b	916
20-24	1,667 ^a	1,661	1,876	2,124	1,982	2,382 ^a	1,912
25-34	2,404	2,413	2,740	3,044	3,278	4,056	2,853
35-44	2,371	2,494	3,107	3,586	3,849	6,171	3,066
45-54	2,189	2,471	2,719	3,598	3,606 ^a	4,755 ^a	2,711
55-64	2,073	2,667	3,160	2,355 ^a	3,862 ^a	3,911 ^a	2,589
65 and over	1,843	2,073	1,974 ^a	3,750 ^a	4,040 ^a	4,440 ^a	2,177
Total	2,165	2,347	2,552	2,995	3,239	4,631	2,638
Total							
14-19	1,059 ^a	1,031	892	1,578	1,165	1,500 ^a	1,148
20-24	2,190	2,419	2,820	3,127	2,707	3,208	2,908
25-34	2,930	3,639	4,190	4,562	5,112	6,386	4,639
35-44	3,042	3,946	4,736	5,257	6,533	9,157	5,377
45-54	2,816	4,123	4,739	5,330	6,677	9,654	5,267
55-64	3,144	4,157	4,853	5,447	6,768	8,860	5,014
65 and over	2,693	3,119	3,759	5,674	5,143	8,130	4,117
Total	2,891	3,775	4,005	4,578	5,462	7,933	4,627

Source: See Table A-1.

^aBased on fewer than fifty observations.^bNo observations.