

This PDF is a selection from an out-of-print volume from the National Bureau of Economic Research

Volume Title: Higher Education and Earnings: College as an Investment and Screening Device

Volume Author/Editor: Paul J. Taubman, Terence Wales

Volume Publisher: NBER

Volume ISBN: 0-07-010121-3

Volume URL: <http://www.nber.org/books/taub74-1>

Publication Date: 1974

Chapter Title: Appendix B: Tables to Chapter 3

Chapter Author: Paul J. Taubman, Terence Wales

Chapter URL: <http://www.nber.org/chapters/c3657>

Chapter pages in book: (p. 179 - 192)

Appendix B: Tables to Chapter 3

Definitions of symbols used in the following tables:

Education

- H** High school education only
- M** Armed Forces and company schools
- V** Correspondence, trade, technical, and business schools
- 1** Less than two years of college
- 3** More than two but less than four years of college
- G** One college degree
- GM** Two or more college degrees
- 4** Nursing

Occupation

- 1** Professional
- 2** Semiprofessional
- 3** Clerical
- 4** Sales
- 5** Service
- 6** Skilled
- 7** Unskilled
- 8** Farm

The tenth tenth is the highest ability group; the first is the lowest. The numbers in parentheses immediately below the major entries in the tables are the sample sizes associated with the entries. If there are no individuals in a cell, a footnote so indicates. It should be noted that in the text V and M are always combined and denoted V. The detailed description of these occupational categories is given in Table B-14.

TABLE B-1
Median salaries
of Illinois,
Minnesota, and
Rochester, N.Y.,
males who had
different
post-high school
education, by
rank in high
school
graduating class
(in dollars)

Percentile rank in high school class (1)	Education after high school graduation			
	None* (2)	Technical schools† (3)	Some college‡ (4)	One college degree or more§ (5)
91-100	\$4,600 (33)	\$5,000 (80)	\$5,600 (106)	\$7,100 (452)
81-90	4,600 (54)	4,900 (82)	5,400 (125)	6,300 (321)
71-80	4,500 (51)	4,900 (61)	5,300 (107)	6,500 (201)
61-70	4,600 (45)	5,000 (50)	5,700 (85)	5,700 (127)
1-60	4,600 (154)	4,700 (195)	5,300 (211)	5,700 (219)

* H + M

† V

‡ 1 + 3

§ G + GM

NOTE: Sample sizes are given in parentheses beneath the dollar amounts.

SOURCE: Wolfe & Smith (1956).

TABLE B-2
Median salaries
of Minnesota
males who had
different
post-high school
education, with
intelligence
scores held
constant (in
dollars)

Intelligence-test score (1)	Education after high school graduation			
	None* (2)	Technical schools† (3)	Some college‡ (4)	One college degree or more§ (5)
Highest 30 percent	\$4,000 (9)	\$4,900 (15)	\$5,300 (49)	\$6,300 (171)
Next 30 percent	4,500 (33)	4,400 (55)	5,200 (107)	6,100 (197)
Bottom 40 percent	4,300 (57)	4,400 (106)	5,100 (159)	5,200 (191)

* H + M

† V

‡ 1 + 3

§ G + GM

NOTE: Sample sizes are given in parentheses beneath the dollar amounts.

SOURCE: Wolfe & Smith (1956).

TABLE B-3
Median salaries
of Rochester,
N.Y., males who
had different
post-high school
education, with
intelligence
scores held
constant (in
dollars)

IQ (1)	Education after high school graduation			
	None* (2)	Technical schools† (3)	Some college‡ (4)	One college degree or more§ (5)
Over 120	\$5,500 (7)	\$6,100 (17)	\$6,100 (21)	\$7,600 (119)
Under 120	5,000 (33)	5,100 (68)	5,700 (65)	7,400 (190)

* H + M

† V

‡ 1 + 3

§ G + GM

NOTE: Sample sizes are given in parentheses beneath the dollar amounts.

SOURCE: Wolfe & Smith (1956).

TABLE B-4 Average salaries of Minnesota, Rochester, N.Y., and Illinois males, by rank in class and education (in dollars)

Rank in high school class	Education						
	H	M	V	I	3	G	GM
1	\$4,523 (11)	\$4,800 (5)	\$4,111 (18)	\$3,667 (6)	\$5,400 (10)	\$8,056 (9)	\$10,250 (1)
2	6,354 (12)	7,938 (8)	4,145 (19)	5,938 (8)	6,850 (5)	7,692 (13)	8,400 (5)
3	4,600 (10)	4,250 (4)	6,875 (20)	8,346 (13)	9,023 (11)	6,187 (20)	5,500 (3)
4	5,383 (15)	4,250 (4)	5,019 (26)	5,200 (20)	6,962 (13)	6,667 (24)	5,300 (5)
5	4,909 (33)	5,406 (8)	4,920 (56)	6,583 (24)	6,521 (36)	5,987 (40)	7,844 (16)
6	6,222 (36)	5,437 (8)	4,969 (56)	5,300 (35)	7,231 (40)	8,970 (58)	7,030 (25)
7	5,816 (34)	5,909 (11)	5,120 (48)	5,702 (31)	5,909 (44)	6,836 (93)	6,691 (34)
8	4,964 (35)	4,672 (16)	5,033 (61)	6,065 (46)	6,778 (63)	8,079 (139)	7,278 (62)
9	5,378 (49)	6,200 (5)	5,235 (82)	5,656 (53)	6,326 (72)	8,045 (201)	8,487 (120)
10	5,379 (33)	6,937 (4)	5,437 (80)	6,526 (49)	5,899 (57)	8,571 (234)	9,607 (218)

NOTE: Sample sizes are given in parentheses beneath the dollar amounts. Rank 1 is lowest.

SOURCE: Unpublished data from D. Wolfe.

TABLE B-5 Average salaries of Minnesota males, by rank in class and education (in dollars)

Rank in high school class	Education						
	H	M	V	1	3	G	GM
1	\$5,125 (6)	\$4,800 (5)	\$4,083 (12)	\$3,667 (6)	\$5,667 (6)	\$8,056 (9)	\$10,250 (1)
2	4,000 (3)	9,250 (5)	3,475 (10)	6,125 (4)	7,313 (4)	8,350 (10)	11,333 (3)
3	4,500 (2)	5,000 (1)	6,385 (13)	5,188 (8)	8,000 (5)	4,893 (14)	5,750 (2)
4	4,900 (5)	4,000 (1)	4,636 (11)	5,083 (12)	5,250 (8)	5,341 (11)	4,000 (2)
5	4,031 (8)	3,500 (2)	4,929 (21)	5,250 (8)	5,867 (15)	5,087 (20)	9,571 (7)
6	4,682 (11)	5,625 (4)	4,103 (17)	5,059 (17)	7,571 (14)	7,150 (25)	7,025 (10)
7	4,800 (5)	7,125 (2)	4,908 (19)	5,583 (18)	5,310 (21)	5,743 (36)	6,176 (17)
8	4,615 (13)	3,594 (8)	4,268 (28)	5,528 (27)	6,464 (35)	6,623 (71)	7,054 (28)
9	3,909 (1)	7,500 (1)	4,481 (26)	5,604 (24)	6,423 (42)	6,535 (101)	7,568 (44)
10	4,606 (5)	5,006 (1)	5,118 (19)	5,033 (15)	5,327 (26)	7,770 (87)	7,522 (69)

NOTE: Sample sizes are given in parentheses beneath the dollar amounts.

SOURCE: Unpublished data from D. Wolfe.

TABLE B-6 Average salaries of Minnesota males, by ACE decile and education (in dollars)

Rank on American College Entrance Examination	Education						
	H	M	V	I	3	G	GM
1	\$4,000 (13)	\$4,750 (1)	\$4,094 (24)	\$5,477 (11)	\$4,521 (12)	\$6,170 (22)	\$9,219 (8)
2	4,600 (5)	4,125 (4)	4,625 (20)	4,778 (9)	5,828 (16)	5,985 (33)	5,125 (14)
3	4,382 (17)	5,792 (6)	4,560 (46)	5,056 (36)	6,803 (38)	5,395 (62)	6,750 (25)
4	3,500 (4)	5,812 (4)	4,687 (16)	4,631 (21)	7,187 (16)	5,911 (28)	7,857 (7)
5	5,256 (10)	5,000 (3)	4,391 (23)	4,870 (23)	6,190 (25)	7,384 (58)	7,431 (18)
6	4,450 (5)	4,500 (4)	5,800 (15)	6,146 (12)	8,000 (10)	6,596 (40)	7,137 (20)
7	5,028 (9)	14,000 (2)	4,809 (17)	5,442 (13)	6,083 (24)	6,672 (45)	8,250 (16)
8	3,667 (3)	*	5,139 (9)	7,100 (5)	5,750 (16)	7,555 (32)	6,595 (21)
9	4,000 (1)	5,000 (1)	4,200 (5)	6,571 (7)	5,250 (11)	6,407 (43)	7,275 (20)
10	5,750 (2)	2,375 (2)	5,000 (1)	8,125 (2)	4,219 (8)	8,238 (21)	8,640 (34)

No observations.

NOTE: Sample sizes are given in parentheses beneath the dollar amounts. Rank 1 is lowest.

SOURCE: Unpublished data from D. Wolfe.

TABLE B-7 Average salaries of Illinois males, by rank in class and education (in dollars)

Rank in high school class	Education						
	H	M	V	1	3	G	GM
1	\$3,800 (5)	*	\$4,167 (6)	*	\$5,000 (4)	*	*
2	7,139 (9)	\$5,750 (3)	4,889 (9)	\$5,750 (4)	5,000 (1)	\$5,500 (3)	\$4,000 (2)
3	4,625 (8)	4,000 (3)	7,786 (7)	13,400 (5)	9,875 (6)	9,208 (6)	5,000 (1)
4	5,625 (10)	4,333 (3)	5,143 (14)	5,375 (8)	9,700 (5)	8,021 (12)	6,167 (3)
5	5,190 (25)	6,042 (6)	4,891 (32)	7,250 (16)	6,988 (21)	6,887 (20)	6,500 (9)
6	7,152 (23)	5,333 (3)	5,364 (33)	5,533 (15)	6,288 (13)	10,520 (25)	7,000 (14)
7	4,606 (26)	5,639 (9)	5,167 (21)	5,865 (13)	6,162 (17)	7,622 (45)	7,406 (16)
8	5,355 (19)	5,857 (7)	6,538 (13)	5,958 (12)	7,974 (19)	9,257 (34)	7,670 (22)
9	5,333 (12)	6,250 (2)	5,761 (22)	5,250 (10)	6,083 (18)	9,651 (43)	8,294 (34)
10	5,179 (7)	*	4,117 (15)	9,028 (9)	6,029 (17)	8,953 (59)	9,884 (54)

*No observations.

NOTE: Sample sizes are given in parentheses beneath the dollar amounts. Rank 1 is lowest.

SOURCE: Unpublished data from D. Wolfe.

TABLE B-8 Average salaries of Rochester, N.Y. males,* by rank in class and education (in dollars)

Rank in high school class	Education						
	H	M	V	1	3	G	GM
6	\$ 4,000 (2)	\$5,000 (1)	\$5,250 (6)	\$5,500 (3)	\$7,804 (13)	\$9,813 (8)	\$ 7,500 (1)
7	18,000 (3)	†	5,500 (8)	†	7,292 (6)	7,167 (12)	4,000 (1)
8	4,000 (3)	5,000 (1)	5,125 (20)	8,321 (7)	5,472 (9)	9,941 (34)	7,083 (12)
9	6,019 (26)	5,500 (2)	5,471 (34)	5,934 (19)	6,354 (12)	9,509 (57)	9,607 (42)
10	5,631 (21)	7,583 (3)	6,000 (46)	6,520 (25)	6,804 (14)	9,105 (88)	10,963 (95)

*The five persons in ranks 1 through 5 have been omitted.

†No observations.

NOTE: Sample sizes are given in parentheses beneath the dollar amounts. Rank 10 is highest.

SOURCE: Unpublished data from D. Wolfe.

TABLE B-9 *Distribution of Minnesota males, by occupation, for various levels of ability and education*

Education	Occupation				Number of observations
	1	2 + 4	6	3 + 5 + 7 + 8	
A. First through fourth ability tenths					
H	.12	.22	.24	.42	50
M + V + 1 + 3	.29	.30	.19	.21	315
G	.71	.22	.01	.05	156
GM	.92	.03	.02	.03	59
B. Fifth through ninth ability tenths					
H	.19	.22	.08	.50	36
M + V + 1 + 3	.39	.31	.13	.17	249
G	.75	.18	.01	.06	233
GM	.91	.07	.00	.02	112
C. Tenth ability tenth					
H	.50	.00	.00	.50	2
M + V + 1 + 3	.13	.53	.00	.33	15
G	.80	.12	.00	.08	25
GM	.89	.11	.00	.00	36

NOTE: "Ability" is based on ACE scores. Rank 1 is lowest.

SOURCE: Unpublished data from D. Wolfe.

TABLE B-10
Average salaries of Minnesota males, by occupation and ability (in dollars)

Rank on American College Entrance Examination	Occupation			
	1	2 + 4	6	3 + 5 + 7 + 8
1-4	\$6,212 (257)	\$5,300 (135)	\$4,592 (86)	\$4,071 (80)
5-9	6,765 (356)	6,236 (129)	5,022 (44)	4,034 (59)
10	7,890 (50)	7,267 (14)	5,000 (1)	3,972 (9)

NOTE: Sample sizes are given in parentheses beneath the dollar amounts. Rank 1 is lowest.

SOURCE: Unpublished data from D. Wolfe.

TABLE B-11 Average salaries of Minnesota females,* by ACE decile and education (in dollars)

Rank on American College Entrance Examination	Education						
	H	V	I	3	4	G	GM
1	\$1,993 (34)	\$2,302 (53)	\$3,100 (10)	\$2,500 (23)	\$2,268 (28)	\$2,797 (16)	†
2	2,206 (34)	2,360 (43)	2,316 (19)	2,580 (25)	2,527 (28)	3,011 (22)	\$ 4,000 (1)
3	2,161 (14)	1,894 (33)	2,229 (12)	2,350 (25)	2,206 (34)	3,100 (30)	3,000 (2)
4	1,800 (30)	2,211 (58)	2,250 (16)	2,167 (33)	2,314 (39)	2,755 (48)	3,458 (6)
5	2,300 (20)	2,432 (37)	2,833 (12)	2,200 (30)	2,635 (39)	3,015 (34)	3,679 (7)
6	1,982 (14)	2,239 (22)	2,389 (9)	2,577 (13)	2,437 (20)	3,030 (33)	4,714 (7)
7	2,000 (11)	2,500 (11)	2,292 (6)	2,357 (7)	2,050 (15)	3,062 (36)	5,000 (2)
8	1,750 (8)	3,125 (8)	1,850 (10)	2,250 (4)	2,062 (20)	3,921 (19)	10,000 (4)
9	2,250 (3)	2,179 (21)	2,437 (24)	2,281 (8)	2,434 (19)	2,707 (41)	3,250 (2)
10	2,000 (1)	2,292 (6)	2,350 (5)	2,500 (2)	2,179 (7)	2,711 (32)	3,679 (11)

* The five persons with Armed Forces and company school training have been omitted.

† No observations

NOTE: Sample sizes are given in parentheses below dollar amounts.

SOURCE: Unpublished data from D. Wolfe.

TABLE B-12 *Distribution of Minnesota males by ability (ACE decile), education, and occupation*

ACE decile	Sample	Occupation						
		1	2	3	4	5	6	7
A. High school								
1	15		0.0667	0.2000	0.1333	0.0667	0.3333	0.2000
2	7	0.1429	0.1429		0.1429	0.1429	0.1429	0.2857
3	6	0.3333			0.1667		0.1667	0.3333
4	22	0.1364	0.2273	0.0455		0.0455	0.2273	0.3182
5	14	0.1429	0.2143	0.2857	0.0714			0.2857
6	6	0.3333	0.3333					0.3333
7	12	0.2500	0.1667	0.1667			0.1667	0.2500
8	3						0.3333	0.6667
9	1			1.0000				
10	2	0.5000		0.5000				
B. Vocational and military schools								
1	32	0.1250	0.1875	0.2500	0.1250	0.0313	0.1875	0.0938
2	27	0.2222	0.2963	0.0370	0.0741		0.2963	0.0741
3	24	0.1667	0.2083	0.0417	0.1250	0.0417	0.2917	0.1250
4	57	0.1930	0.2456	0.0526	0.0526	0.1053	0.2632	0.0877
5	28	0.3571	0.2143	0.0357	0.0714	0.0714	0.2143	0.0357
6	24	0.2500	0.2917	0.1250	0.0833		0.1250	0.1250
7	21	0.3333	0.1429	0.0952	0.0952	0.0476	0.2381	0.0476
8	11	0.1818	0.1818	0.0909	0.1818		0.1818	0.0909
9	7	0.2857	0.1429	0.1429	0.1429		0.1429	0.1429
10	4		0.5000			0.2500		0.2500
C. Less than two years of college								
1	13	0.1538	0.3077	0.0769			0.3077	0.1538
2	10	0.4000		0.1000	0.1000	0.1000	0.3000	
3	22	0.1818	0.1818	0.2273	0.0455	0.0455	0.2727	0.0455
4	43	0.3488	0.1860	0.0698	0.0698	0.0465	0.0698	0.1628
5	26	0.3462	0.2308	0.1923	0.0385		0.0769	0.0769
6	13	0.2308	0.3077	0.0769			0.3846	
7	15	0.4000	0.2667			0.0667	0.1333	0.1333
8	6	0.5000			0.1667			0.1667
9	7	0.2857	0.2857	0.1429	0.1429		0.1429	
10	2		0.5000					0.5000

TABLE B-12 (continued)

ACE decile	Sample	Occupation						
		1	2	3	4	5	6	7
D. At least two years of college but no degree								
1	12	0.3333	0.1667		0.2500		0.2500	
2	16	0.3750	0.2500	0.1250			0.2500	
3	18	0.5000	0.2778	0.0556	0.0556	0.0556	0.0556	
4	41	0.5366	0.2683	0.0732	0.0976		0.0244	
5	28	0.5714	0.2500	0.0357	0.0357		0.0714	0.0357
6	11	0.4545		0.0909	0.2727	0.0909		0.0909
7	26	0.5000	0.3077	0.0385	0.0385		0.0769	0.0385
8	18	0.3333	0.3333	0.1667	0.0556		0.1111	
9	11	0.6364	0.1818		0.0909			
10	9	0.2222	0.5556					0.2222
E. One college degree								
1	22	0.5455	0.2273	0.0909	0.1364			
2	35	0.6571	0.1714	0.0571	0.0571			0.0286
3	31	0.6774	0.1935	0.0323	0.0645			
4	70	0.7857	0.0714	0.0143	0.0857		0.0286	0.0143
5	62	0.7419	0.1452	0.0323	0.0484		0.0161	0.0161
6	44	0.7273	0.1591	0.0227		0.0227	0.0455	
7	51	0.7059	0.1765	0.0392	0.0588			0.0196
8	36	0.6667	0.1111		0.1111	0.0556		0.0556
9	45	0.8000	0.1111	0.0222	0.0667			
10	25	0.8000	0.1200	0.0400				0.0400
F. More than one college degree								
1	9	1.0000						
2	15	0.8667			0.0667			
3	8	1.0000						
4	27	0.8889	0.0370	0.0370			0.0370	
5	24	0.7500	0.1250	0.0833	0.0417			
6	24	0.9167	0.0833					
7	19	1.0000						
8	22	1.0000						
9	24	0.8750	0.0833					
10	36	0.8889	0.0833		0.0278			

NOTE: The table gives, for any ability-education cell, the fraction of persons in each occupation. Although occupation 8 (unskilled) is included in the total, the details are omitted because it includes only four persons. Occupation 9 (housewives) is omitted for obvious reasons. Rank 1 is lowest.

TABLE B-13 Average salaries of Minnesota males, by occupation and ACE decile (in dollars)

ACE decile	Occupation						
	1	2	3	4	5	6	7
1	\$5,856 (33)	\$4,726 (21)	\$4,067 (15)	\$5,231 (13)	\$4,500 (2)	\$4,413 (23)	\$3,917 (3)
2	5,705 (50)	4,958 (18)	4,571 (7)	6,867 (6)	3,500 (2)	4,368 (19)	5,000 (1)
3	6,500 (47)	5,044 (17)	4,000 (8)	4,643 (7)	4,667 (3)	4,844 (16)	2,875 (2)
4	6,281 (127)	5,191 (34)	4,143 (14)	6,484 (19)	4,550 (10)	4,750 (28)	3,175 (10)
5	6,779 (95)	5,810 (29)	4,344 (16)	5,639 (9)	3,500 (2)	4,900 (15)	3,667 (6)
6	6,287 (61)	8,190 (21)	4,250 (8)	6,417 (6)	3,500 (2)	5,773 (11)	1,875 (2)
7	6,997 (78)	5,823 (24)	4,000 (7)	5,250 (6)	2,500 (2)	4,583 (12)	10,250 (1)
8	7,110 (57)	5,861 (9)	3,750 (4)	5,812 (8)	4,750 (2)	5,000 (4)	3,500 (2)
9	6,615 (65)	6,318 (11)	4,500 (4)	5,792 (6)	·	4,500 (2)	·
10	7,890 (50)	7,519 (13)	4,000 (3)	4,000 (1)	750 (1)	5,000 (1)	4,600 (5)

*No observations.

NOTE: Sample sizes are given in parentheses beneath the dollar amounts. Rank 1 is lowest.

SOURCE: Unpublished data from D. Wolfle.

TABLE B-14 *Description of occupational categories*

The detailed occupations included in our nine broad occupational categories are listed below.

1. <i>Professional</i>	
Humanities and arts	Government employees (police, firemen, etc.)
Natural science	
Psychology	Cosmeticians (barbers, beauty operators, etc.)
Social science	Food work (waiters, cooks)
Engineering	Armed Forces (enlisted)
Applied biological science	Domestic (housekeepers, maids)
Health fields	Cleaning (janitors, charwomen, porters)
Business—managerial II (executives)	
Education (including school administrators)	6. <i>Skilled</i>
Other professions	N.e.c.
	With supervisory duties, including foremen
2. <i>Semiprofessional-managerial</i>	
N.e.c.*	Manual skills (welders, painters, etc.)
Professional II (except school administrators)	Service, skilled (truck drivers, bus drivers, etc.)
Semiprofessional	
Managerial I (owners)	7. <i>Farm</i>
Managerial III (supervisors)	N.e.c.
	Farm owners
3. <i>Clerical</i>	Farm managers
N.e.c.	Farm lessees, all types
Stenographers, typists, secretaries, receptionists	
Bookkeepers	8. <i>Unskilled</i>
Clerks, cashiers	N.e.c.
Mail carriers	Salaried workers
Telephone and telegraph operators	Day laborers
	9. <i>Housewife</i>
4. <i>Sales</i>	N.e.c.
N.e.c.	Never worked or not given
Insurance, real estate, stocks and bonds, advertising	Worked or working part time—professional
Industrial sales	Worked part time—clerical
Direct consumer sales	Worked part time—service, skilled
Store sales (department, drug, grocery, etc.)	Worked full time—clerical
	Worked full time—sales
5. <i>Service</i>	Worked full time—service, skilled
N.e.c.	

* Not elsewhere classified.