

**THE SOCIOECONOMIC ATTAINMENTS OF SINGLE-RACIAL AND MULTI-RACIAL NATIVE AMERICANS\***

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# **THE SOCIOECONOMIC ATTAINMENTS OF SINGLE-RACIAL AND MULTI-RACIAL NATIVE AMERICANS**

## **ABSTRACT**

Using data from the 2000 U.S. Census, this study investigates the schooling and wages of single-racial and multi-racial Native Americans. Our analysis distinguishes between single-race Native Americans, biracial White Native Americans, biracial Hispanic-White Native Americans, biracial Black Native Americans, and whites who report Native American ancestry. Our findings show significant variation in socioeconomic attainments across these different Native American groups. In general, however, most of these Native American groups have lower levels of schooling and/or wages relative to non-Hispanic whites for both men and women. Furthermore, most of these Native American groups have lower wages than comparable non-Hispanic whites after taking into account schooling, age, place of residence, and other basic demographic characteristics. Single-race Native Americans are the most disadvantaged, but socioeconomic differentials across the other Native American groups are not clearly consistent with traditional assimilation theory, and suggest the significance of the socioeconomic selectivity of whites who choose to report Native American ancestry.

## INTRODUCTION

The demography of Native Americans has not received much attention in recent years. The last major monograph on this subject was by Snipp (1989) and was based on the 1980 Census. Due to the lack of current information on this demographic group, we analyze data on Native Americans using the 2000 Census. In this paper, our focus is on the socioeconomic attainments of Native Americans including their schooling and wages. As has been argued elsewhere, demographic processes and outcomes are increasingly intertwined with social stratification (Sakamoto and Powers 2006) and critical aspects of the latter include schooling and wages.

As discussed by Snipp (1989), the demographic profile of Native Americans is necessarily dependent upon who identifies as being a member of that racial group, but Native American racial identity is complicated by many generations of intermarriage with other racial groups. Intermarriage with whites and other racial groups obviously has a long history because Native Americans are not immigrants and were already located in North America at the time of the arrival of whites in 1492. Given that Native Americans had already become a tiny proportion of the U.S. population by the end of the 19<sup>th</sup> century (Snipp 1989; Thornton 1990), the chances of intermarrying with whites and other racial groups were large simply due to differential population sizes. Using the 1980 Census data, Sandefur and McKinnell (1986) found that Native Americans have low levels of marital homogamy and have high levels of intermarriage with whites.

The significance of racial identity in affecting the demographic profile of Native Americans was also evident in Passel's (1997) study of the trend in the population size of Native Americans. He found that the growth of the Native American population during the 1960's (and

to a lesser extent in the 1970's and 1980's as well) substantially exceeded growth based on statistics indicating their natural increase. In other words, a substantial portion of the increase in the Native American population since 1960 has been due to persons changing their racial identification to Native American. This finding again demonstrates the significance of racial identity in affecting the demographic profile of Native Americans.

Using the 1980 Census data, Sandefur and McKinnell (1986) found that family incomes were lower when both spouses of a household identified as Native American. Indeed, these families had incomes that were even lower than African Americans. Native Americans married to other Native Americans also tended to have lower levels of schooling. By contrast, Native Americans married to whites tended to have slightly higher levels of schooling and incomes. These findings suggest that Native Americans who intermarry with whites will tend to have children that will have higher socioeconomic origins which is well known to affect adult socioeconomic attainments (Featherman and Hauser 1978). This process might lead to higher socioeconomic attainments across generations of marital assimilation with whites as predicted by classical assimilation theory (Gordon 1964).

## **METHODS**

Given the significance of racial identity in being associated with the demographic characteristics of Native Americans, the 2000 Census data are critically important because they permit multi-racial identification. In contrast to previous Census data, the 2000 Census includes information on whether persons identify as only Native American (i.e., single-race Native American) or in terms of being Native American as well as some other racial identity (which we refer to as multi-racial Native American). The 2000 Census data therefore permit a more

detailed description of the Native American population in terms of a more precise delineation of Native American racial identity.

### ***Data and Target Populations***

We use data from the 5% Public Use Microdata Sample (PUMS) of the 2000 Census. This data set is the most recently available that provides an adequate sample size for Native Americans as well as reliable information on demographic and socioeconomic characteristics. As noted above, the 2000 PUMS is also appropriate for our concerns because it includes information on multi-racial identification. We extend previous research on the socioeconomic attainments of Native Americans by investigating both men and women. Because our primary theoretical concern is with racial/ethnic differentials, our statistical analyses are done separately for each gender.

We define and investigate the following racial/ethnic groups: (1) single-race Native Americans; (2) persons who identify as being both non-Hispanic white and Native American in terms of race (“White Native Americans”); (3) persons who identify as being Hispanic white and Native American in terms of race (“Hispanic-White Native Americans”); (4) persons who identify as being both African American and Native American in terms of race (“Black Native Americans”); (5) persons who identify only as being white in terms of race but who identify as Native American in terms of ancestry (“Native American Whites”); and (6) non-Hispanic whites without Native American ancestry serve as the reference category. Although other groups of Native-American-origin persons do of course exist, their sample sizes were too low in these data to permit them to be investigated using multivariate statistical analysis.

In order to ensure that our sample includes persons with some clear attachment to labor force participation, we limit the analysis to persons who worked at least 1,040 hours in 1999. This figure refers to employment that is at least part-time for the entire year or full-time for at least half of the year. We further limit the sample to non-institutionalized individuals between the ages of 25 and 64 as is commonly done in labor force studies.

### ***Variables and Regression Models***

The first dependent variable that we analyze is years of schooling completed. Using an OLS regression model, the independent variables include years of age, the square of years of age, a dichotomous variable to indicate disability status, and a dichotomous variable to indicate whether has had any military experience. We also include a series of dummy variables to indicate region of birth in terms of the official U.S. Census Bureau classification including Middle Atlantic, East North Central, West North Central, South Atlantic, East South Central, West South Central, Mountain, and Pacific. New England serves as the reference group for region of birth.

The second socioeconomic outcome that we analyze is the hourly wage derived from total labor force earnings and hours worked in 1999 (Petersen 1989). In order to adjust for the highly positive skew in the distribution of this variable, the log transformation is applied so that the actual dependent variable that is used in the OLS regression model is log-wage (Sakamoto and Furuichi 1997). For this regression the independent variables include years of age, the square of years of age, a dichotomous variable to indicate disability status, a dichotomous variable to indicate whether has had any military experience, a dichotomous variable to indicate metropolitan residence, five dichotomous variables to indicate the highest level of education completed (high school, some college, associate degree, college degree, or a graduate degree

versus less than high school as the reference category), and dummy variables to region of birth as well as region of current residence. Finally, we include a dummy variable to indicate whether the respondent resides in the same region as his or her region of birth.

## **EMPIRICAL RESULTS**

[Tables 1 and 2 about here]

### ***Descriptive Statistics***

### ***Regression Results for Schooling***

[Table 3 about here]

### ***Regression Results for Log-Wage***

[Table 4 about here]

## **DISCUSSION AND CONCLUSIONS**

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**Table 1: Descriptive Statistics for Men**

| Variable                                    | Whites    |           | Single-Race Native American |           | White and Native American |           |
|---|-----------|-----------|-----------------------------|-----------|---------------------------|-----------|
|   | Mean      | Std. Dev. | Mean                        | Std. Dev. | Mean                      | Std. Dev. |
| Age   | 43.01     | 10.02     | 41.10                       | 9.93      | 43.29                     | 10.05     |
| Age-Squared                                 | 1950.64   | 877.72    | 1787.58                     | 850.15    | 1974.88                   | 882.65    |
| Disability Status                           | 0.14      | 0.34      | 0.22                        | 0.42      | 0.22                      | 0.41      |
| Military Experience                         | 0.23      | 0.42      | 0.26                        | 0.44      | 0.30                      | 0.46      |
| <i>Educational Attainment</i>               |           |           |                             |           |                           |           |
| Years of Schooling                          | 13.83     | 2.65      | 12.69                       | 2.33      | 13.30                     | 2.58      |
| (Less Than High School)                     | 0.09      | 0.29      | 0.19                        | 0.39      | 0.14                      | 0.35      |
| High School                                 | 0.31      | 0.46      | 0.36                        | 0.48      | 0.30                      | 0.46      |
| Some College                                | 0.23      | 0.42      | 0.26                        | 0.44      | 0.29                      | 0.45      |
| Associate Degree                            | 0.07      | 0.26      | 0.07                        | 0.25      | 0.07                      | 0.26      |
| College Degree                              | 0.19      | 0.40      | 0.08                        | 0.27      | 0.12                      | 0.33      |
| More Than College                           | 0.11      | 0.31      | 0.04                        | 0.20      | 0.08                      | 0.27      |
| <i>Region of Birth</i>                      |           |           |                             |           |                           |           |
| New England                                 | 0.07      | 0.25      | 0.02                        | 0.13      | 0.05                      | 0.22      |
| Middle Atlantic                             | 0.19      | 0.39      | 0.05                        | 0.21      | 0.09                      | 0.28      |
| East North Central                          | 0.23      | 0.42      | 0.10                        | 0.30      | 0.18                      | 0.38      |
| West North Central                          | 0.11      | 0.31      | 0.09                        | 0.28      | 0.10                      | 0.30      |
| South Atlantic                              | 0.13      | 0.33      | 0.09                        | 0.28      | 0.11                      | 0.31      |
| East South Central                          | 0.06      | 0.25      | 0.03                        | 0.16      | 0.06                      | 0.23      |
| West South Central                          | 0.08      | 0.28      | 0.20                        | 0.40      | 0.18                      | 0.39      |
| Mountain                                    | 0.04      | 0.20      | 0.21                        | 0.41      | 0.05                      | 0.23      |
| Pacific                                     | 0.09      | 0.29      | 0.22                        | 0.41      | 0.19                      | 0.39      |
| <i>Region of Current Residence</i>          |           |           |                             |           |                           |           |
| Metropolitan Area                           | 0.66      | 0.47      | 0.47                        | 0.50      | 0.64                      | 0.48      |
| New England                                 | 0.06      | 0.24      | 0.02                        | 0.13      | 0.04                      | 0.20      |
| Middle Atlantic                             | 0.15      | 0.35      | 0.04                        | 0.20      | 0.07                      | 0.25      |
| East North Central                          | 0.19      | 0.39      | 0.09                        | 0.29      | 0.16                      | 0.36      |
| West North Central                          | 0.09      | 0.29      | 0.08                        | 0.27      | 0.07                      | 0.26      |
| South Atlantic                              | 0.17      | 0.38      | 0.10                        | 0.30      | 0.13                      | 0.34      |
| East South Central                          | 0.06      | 0.24      | 0.03                        | 0.16      | 0.05                      | 0.22      |
| West South Central                          | 0.09      | 0.29      | 0.20                        | 0.40      | 0.18                      | 0.38      |
| Mountain                                    | 0.06      | 0.25      | 0.23                        | 0.42      | 0.07                      | 0.26      |
| Pacific                                     | 0.12      | 0.32      | 0.21                        | 0.41      | 0.23                      | 0.42      |
| Region of Residence same as Region of Birth | 0.72      | 0.45      | 0.75                        | 0.43      | 0.66                      | 0.47      |
| Wage  | 22.39     | 22.18     | 15.63                       | 14.50     | 18.02                     | 17.49     |
| Log-Wage                                    | 2.84      | 0.71      | 2.52                        | 0.67      | 2.65                      | 0.70      |
| Sample Size                                 | 1,923,684 |           | 17,775                      |           | 4,336                     |           |

Source: 2000 5% PUMS.

Note: Variables with parentheses are omitted categories in regression models.

**Table 1 (Continued) : Descriptive Statistics for Men**

| Variable                                       | Hispanic-White and<br>Native American |           | Black and<br>Native American |           | White with Native<br>American Ancestry |           |
|--|---------------------------------------|-----------|------------------------------|-----------|--|-----------|
|  | Mean                                  | Std. Dev. | Mean                         | Std. Dev. | Mean                                   | Std. Dev. |
| Age  | 39.45                                 | 9.72      | 41.87                        | 9.78      | 41.07                                  | 9.81      |
| Age-Squared                                    | 1650.45                               | 814.85    | 1848.15                      | 840.43    | 1782.75                                | 838.21    |
| Disability Status                              | 0.21                                  | 0.41      | 0.22                         | 0.42      | 0.20                                   | 0.40      |
| Military Experience                            | 0.27                                  | 0.45      | 0.28                         | 0.45      | 0.27                                   | 0.45      |
| <i>Educational Attainment</i>                  |                                       |           |                              |           |  |           |
| Years of Schooling                             | 13.18                                 | 2.43      | 13.40                        | 2.43      | 12.72                                  | 2.18      |
| (Less Than High School)                        | 0.12                                  | 0.33      | 0.13                         | 0.33      | 0.18                                   | 0.39      |
| High School                                    | 0.27                                  | 0.45      | 0.24                         | 0.43      | 0.38                                   | 0.48      |
| Some College                                   | 0.33                                  | 0.47      | 0.34                         | 0.47      | 0.26                                   | 0.44      |
| Associate Degree                               | 0.10                                  | 0.30      | 0.10                         | 0.30      | 0.06                                   | 0.24      |
| College Degree                                 | 0.12                                  | 0.33      | 0.13                         | 0.33      | 0.09                                   | 0.28      |
| More Than College                              | 0.06                                  | 0.23      | 0.07                         | 0.26      | 0.04                                   | 0.19      |
| <i>Region of Birth</i>                         |                                       |           |                              |           |  |           |
| New England                                    | 0.006                                 | 0.08      | 0.05                         | 0.21      | 0.04                                   | 0.19      |
| Middle Atlantic                                | 0.04                                  | 0.19      | 0.18                         | 0.38      | 0.08                                   | 0.28      |
| East North Central                             | 0.06                                  | 0.24      | 0.16                         | 0.37      | 0.19                                   | 0.39      |
| West North Central                             | 0.01                                  | 0.11      | 0.05                         | 0.21      | 0.08                                   | 0.27      |
| South Atlantic                                 | 0.02                                  | 0.14      | 0.22                         | 0.42      | 0.17                                   | 0.37      |
| East South Central                             | 0.003                                 | 0.05      | 0.08                         | 0.27      | 0.11                                   | 0.32      |
| West South Central                             | 0.20                                  | 0.40      | 0.12                         | 0.33      | 0.18                                   | 0.38      |
| Mountain                                       | 0.16                                  | 0.37      | 0.02                         | 0.15      | 0.04                                   | 0.20      |
| Pacific  | 0.49                                  | 0.50      | 0.12                         | 0.33      | 0.12                                   | 0.32      |
| <i>Region of Current Residence</i>             |                                       |           |                              |           |  |           |
| Metropolitan Area                              | 0.86                                  | 0.34      | 0.87                         | 0.34      | 0.59                                   | 0.49      |
| New England                                    | 0.01                                  | 0.09      | 0.05                         | 0.23      | 0.03                                   | 0.17      |
| Middle Atlantic                                | 0.05                                  | 0.21      | 0.15                         | 0.36      | 0.07                                   | 0.26      |
| East North Central                             | 0.07                                  | 0.25      | 0.13                         | 0.34      | 0.17                                   | 0.37      |
| West North Central                             | 0.01                                  | 0.11      | 0.03                         | 0.17      | 0.07                                   | 0.26      |
| South Atlantic                                 | 0.04                                  | 0.20      | 0.25                         | 0.43      | 0.20                                   | 0.40      |
| East South Central                             | 0.02                                  | 0.14      | 0.04                         | 0.20      | 0.10                                   | 0.30      |
| West South Central                             | 0.12                                  | 0.33      | 0.11                         | 0.31      | 0.18                                   | 0.38      |
| Mountain                                       | 0.16                                  | 0.37      | 0.05                         | 0.21      | 0.06                                   | 0.23      |
| Pacific  | 0.52                                  | 0.50      | 0.19                         | 0.39      | 0.12                                   | 0.33      |
| Region of Residence<br>same as Region of Birth | 0.72                                  | 0.45      | 0.56                         | 0.50      | 0.71                                   | 0.46      |
| Wage   | 19.59                                 | 23.26     | 16.81                        | 15.70     | 16.85                                  | 14.55     |
| Log-Wage                                       | 2.66                                  | 0.76      | 2.58                         | 0.70      | 2.62                                   | 0.64      |
| Sample Size                                    | 331                                   |           | 787                          |           | 60,056                                 |           |

Source: 2000 5% PUMS.

Note: Variables with parentheses are omitted categories in regression models.

**Table 2: Descriptive Statistics for Women**

| Variable                                    | Whites    |           | Single-Race Native American |           | White and Native American |           |
|---|-----------|-----------|-----------------------------|-----------|---------------------------|-----------|
|   | Mean      | Std. Dev. | Mean                        | Std. Dev. | Mean                      | Std. Dev. |
| Age   | 42.95     | 9.97      | 41.28                       | 9.67      | 43.60                     | 9.97      |
| Age-Squared                                 | 1944.27   | 869.36    | 1797.61                     | 827.00    | 2000.15                   | 876.68    |
| Disability Status                           | 0.12      | 0.32      | 0.22                        | 0.41      | 0.23                      | 0.42      |
| Military Experience                         | 0.02      | 0.12      | 0.02                        | 0.15      | 0.03                      | 0.17      |
| <i>Educational Attainment</i>               |           |           |                             |           |                           |           |
| Years of Schooling                          | 13.90     | 2.41      | 13.01                       | 2.26      | 13.48                     | 2.39      |
| (Less Than High School)                     | 0.06      | 0.24      | 0.14                        | 0.35      | 0.09                      | 0.29      |
| High School                                 | 0.3       | 0.46      | 0.32                        | 0.47      | 0.30                      | 0.46      |
| Some College                                | 0.24      | 0.43      | 0.3                         | 0.46      | 0.3                       | 0.46      |
| Associate Degree                            | 0.09      | 0.29      | 0.09                        | 0.29      | 0.09                      | 0.29      |
| College Degree                              | 0.19      | 0.39      | 0.10                        | 0.29      | 0.14                      | 0.35      |
| More Than College                           | 0.11      | 0.31      | 0.05                        | 0.22      | 0.08                      | 0.27      |
| <i>Region of Birth</i>                      |           |           |                             |           |                           |           |
| New England                                 | 0.07      | 0.25      | 0.02                        | 0.13      | 0.10                      | 0.29      |
| Middle Atlantic                             | 0.19      | 0.39      | 0.04                        | 0.2       | 0.17                      | 0.37      |
| East North Central                          | 0.22      | 0.42      | 0.09                        | 0.29      | 0.10                      | 0.30      |
| West North Central                          | 0.11      | 0.31      | 0.09                        | 0.29      | 0.10                      | 0.30      |
| South Atlantic                              | 0.13      | 0.34      | 0.08                        | 0.27      | 0.06                      | 0.25      |
| East South Central                          | 0.06      | 0.24      | 0.02                        | 0.15      | 0.18                      | 0.38      |
| West South Central                          | 0.08      | 0.27      | 0.18                        | 0.39      | 0.05                      | 0.21      |
| Mountain                                    | 0.04      | 0.19      | 0.24                        | 0.43      | 0.20                      | 0.40      |
| Pacific                                     | 0.09      | 0.29      | 0.22                        | 0.42      |                           |           |
| <i>Region of Current Residence</i>          |           |           |                             |           |                           |           |
| Metropolitan Area                           | 0.67      | 0.47      | 0.46                        | 0.50      | 0.65                      | 0.48      |
| New England                                 | 0.06      | 0.24      | 0.02                        | 0.13      | 0.04                      | 0.19      |
| Middle Atlantic                             | 0.15      | 0.35      | 0.04                        | 0.19      | 0.07                      | 0.26      |
| East North Central                          | 0.19      | 0.39      | 0.08                        | 0.28      | 0.14                      | 0.35      |
| West North Central                          | 0.09      | 0.29      | 0.08                        | 0.28      | 0.08                      | 0.27      |
| South Atlantic                              | 0.18      | 0.38      | 0.10                        | 0.30      | 0.13                      | 0.33      |
| East South Central                          | 0.06      | 0.24      | 0.02                        | 0.15      | 0.05                      | 0.22      |
| West South Central                          | 0.09      | 0.29      | 0.18                        | 0.38      | 0.18                      | 0.39      |
| Mountain                                    | 0.06      | 0.24      | 0.24                        | 0.43      | 0.07                      | 0.26      |
| Pacific                                     | 0.11      | 0.32      | 0.23                        | 0.42      | 0.23                      | 0.42      |
| Region of Residence same as Region of Birth | 0.72      | 0.45      | 0.76                        | 0.43      | 0.67                      | 0.47      |
| Wage  | 15.58     | 13.35     | 12.48                       | 11.03     | 13.57                     | 13.20     |
| Log-Wage                                    | 2.54      | 0.64      | 2.33                        | 0.61      | 2.39                      | 0.65      |
| Sample Size                                 | 1,488,799 |           | 15,816                      |           | 3,364                     |           |

Source: 2000 5% PUMS.

Note: Variables with parentheses are omitted categories in regression models.

**Table 2 (Continued) : Descriptive Statistics for Women**

| Variable                                       | Hispanic-White and<br>Native American |           | Black and<br>Native American |           | White with Native<br>American Ancestry |           |
|--|---------------------------------------|-----------|------------------------------|-----------|--|-----------|
|  | Mean                                  | Std. Dev. | Mean                         | Std. Dev. | Mean                                   | Std. Dev. |
| Age  | 39.49                                 | 9.75      | 42.49                        | 9.49      | 41.20                                  | 9.49      |
| Age-Squared                                    | 1654.14                               | 811.00    | 1895.54                      | 817.98    | 1787.59                                | 807.35    |
| Disability Status                              | 0.17                                  | 0.38      | 0.25                         | 0.44      | 0.18                                   | 0.38      |
| Military Experience                            | 0.02                                  | 0.14      | 0.04                         | 0.19      | 0.02                                   | 0.15      |
| <i>Educational Attainment</i>                  |                                       |           |                              |           |  |           |
| Years of Schooling                             | 13.38                                 | 2.47      | 13.73                        | 2.40      | 13.09                                  | 2.09      |
| (Less Than High School)                        | 0.12                                  | 0.32      | 0.07                         | 0.26      | 0.12                                   | 0.32      |
| High School                                    | 0.26                                  | 0.44      | 0.23                         | 0.42      | 0.35                                   | 0.48      |
| Some College                                   | 0.35                                  | 0.48      | 0.36                         | 0.48      | 0.29                                   | 0.45      |
| Associate Degree                               | 0.06                                  | 0.24      | 0.09                         | 0.29      | 0.09                                   | 0.29      |
| College Degree                                 | 0.14                                  | 0.35      | 0.15                         | 0.36      | 0.10                                   | 0.30      |
| More Than College                              | 0.07                                  | 0.25      | 0.08                         | 0.27      | 0.05                                   | 0.22      |
| <i>Region of Birth</i>                         |                                       |           |                              |           |  |           |
| New England                                    | 0.003                                 | 0.06      | 0.04                         | 0.20      | 0.04                                   | 0.19      |
| Middle Atlantic                                | 0.05                                  | 0.23      | 0.21                         | 0.40      | 0.08                                   | 0.27      |
| East North Central                             | 0.07                                  | 0.26      | 0.14                         | 0.35      | 0.18                                   | 0.39      |
| West North Central                             | 0.02                                  | 0.15      | 0.05                         | 0.22      | 0.08                                   | 0.28      |
| South Atlantic                                 | 0.04                                  | 0.20      | 0.24                         | 0.42      | 0.17                                   | 0.38      |
| East South Central                             | 0.01                                  | 0.08      | 0.07                         | 0.25      | 0.11                                   | 0.32      |
| West South Central                             | 0.14                                  | 0.34      | 0.14                         | 0.34      | 0.18                                   | 0.38      |
| Mountain                                       | 0.17                                  | 0.38      | 0.02                         | 0.13      | 0.04                                   | 0.20      |
| Pacific  | 0.49                                  | 0.50      | 0.11                         | 0.31      | 0.12                                   | 0.32      |
| <i>Region of Current Residence</i>             |                                       |           |                              |           |  |           |
| Metropolitan Area                              | 0.83                                  | 0.38      | 0.88                         | 0.32      | 0.60                                   | 0.49      |
| New England                                    | 0.01                                  | 0.12      | 0.05                         | 0.21      | 0.03                                   | 0.18      |
| Middle Atlantic                                | 0.03                                  | 0.18      | 0.2                          | 0.4       | 0.07                                   | 0.25      |
| East North Central                             | 0.08                                  | 0.27      | 0.13                         | 0.34      | 0.17                                   | 0.37      |
| West North Central                             | 0.02                                  | 0.14      | 0.03                         | 0.17      | 0.08                                   | 0.26      |
| South Atlantic                                 | 0.07                                  | 0.25      | 0.24                         | 0.43      | 0.20                                   | 0.40      |
| East South Central                             | 0.01                                  | 0.08      | 0.04                         | 0.19      | 0.11                                   | 0.31      |
| West South Central                             | 0.09                                  | 0.29      | 0.11                         | 0.32      | 0.18                                   | 0.38      |
| Mountain                                       | 0.18                                  | 0.39      | 0.04                         | 0.19      | 0.06                                   | 0.23      |
| Pacific  | 0.5                                   | 0.50      | 0.16                         | 0.36      | 0.12                                   | 0.32      |
| Region of Residence same<br>as Region of Birth | 0.70                                  | 0.46      | 0.61                         | 0.49      | 0.70                                   | 0.46      |
| Wage   | 14.43                                 | 12.16     | 15.04                        | 14.87     | 12.52                                  | 10.40     |
| Log-Wage                                       | 2.45                                  | 0.68      | 2.48                         | 0.66      | 2.34                                   | 0.61      |
| Sample Size                                    | 295                                   |           | 844                          |           | 53,926                                 |           |

Source: 2000 5% PUMS.

Note: Variables with parentheses are omitted categories in regression models.



**Table 3: Estimates of OLS Regression of Years of Schooling**

|                                     | Men      |     |            | Women |          |     |           |     |
|-------------------------------------|----------|-----|------------|-------|----------|-----|-----------|-----|
| Single-Race Native American         | -1.07721 | *** | -0.98247   | ***   | -0.84508 | *** | -0.78812  | *** |
| White and Native American           | -0.11206 | *** | -0.07910   | **    | -0.08887 | *** | -0.03258  |     |
| Hispanic-White and Native American  | -0.42296 | *** | -0.43774   | ***   | -0.28289 | *   | -0.34151  | **  |
| Black and Native American           | 0.0251   |     | 0.11913    |       | 0.25759  | *** | 0.33360   | *** |
| White with Native American Ancestry | -1.08256 | *** | -0.88828   | ***   | -0.78680 | *** | -0.70475  | *** |
| Age                                 |          |     | 0.08380    | ***   |          |     | 0.03953   | *** |
| Age-Squared                         |          |     | -0.0007384 | ***   |          |     | -0.000607 | *** |
| Disability Status                   |          |     | -0.99794   | ***   |          |     | -0.78853  | *** |
| Military Experience                 |          |     | -0.27476   | ***   |          |     | 0.20158   | *** |
| <i>Region of Birth</i>              |          |     |            |       |          |     |           |     |
| Middle Atlantic                     |          |     | 0.13047    | ***   |          |     | 0.05574   | *** |
| East North Central                  |          |     | -0.28058   | ***   |          |     | -0.35859  | *** |
| West North Central                  |          |     | -0.27625   | ***   |          |     | -0.29663  | *** |
| South Atlantic                      |          |     | -0.50702   | ***   |          |     | -0.44420  | *** |
| East South Central                  |          |     | -0.78439   | ***   |          |     | -0.63201  | *** |
| West South Central                  |          |     | -0.34584   | ***   |          |     | -0.34882  | *** |
| Mountain                            |          |     | -0.05053   | ***   |          |     | -0.25512  | *** |
| Pacific                             |          |     | 0.05215    | ***   |          |     | -0.10267  | *** |
| Intercept                           | 13.82693 | *** | 12.07129   | ***   | 13.8984  | *** | 13.72076  | *** |
| R Square                            | 0.0066   |     | 0.0400     |       | 0.0050   |     | 0.0287    |     |

\*p < .05; \*\*p < .01; \*\*\*p < .001 (two-tailed tests).

**Table 4: Estimates of OLS Regression of Log-Wage**

|   | Men      |     |            | Women |          |     |           |     |
|---|----------|-----|------------|-------|----------|-----|-----------|-----|
| Single-Race Native American                 | -0.30433 | *** | -0.13446   | ***   | -0.19735 | *** | -0.04002  | *** |
| White and Native American                   | -0.10940 | *** | -0.10293   | ***   | -0.07401 | *** | -0.06784  | *** |
| Hispanic-White and Native American          | -0.13571 | *** | -0.12306   | ***   | -0.04861 |     | -0.04494  |     |
| Black and Native American                   | -0.16521 | *** | -0.21412   | ***   | 0.01655  |     | -0.06364  | *** |
| White with Native American Ancestry         | -0.20554 | *** | -0.05794   | ***   | -0.19045 | *** | -0.0678   | *** |
| Age   |          |     | 0.05986    | ***   |          |     | 0.04177   | *** |
| Age-Squared                                 |          |     | -0.0005823 | ***   |          |     | -0.000424 | *** |
| Disability Status                           |          |     | -0.09860   | ***   |          |     | -0.07081  | *** |
| Military Experience                         |          |     | -0.02669   | ***   |          |     | -0.00394  |     |
| Metropolitan Area                           |          |     | 0.19568    | ***   |          |     | 0.19983   | *** |
| <i>Educational Attainment</i>               |          |     |            |       |          |     |           |     |
| High School                                 |          |     | 0.14804    | ***   |          |     | 0.15664   | *** |
| Some College                                |          |     | 0.26494    | ***   |          |     | 0.30846   | *** |
| Associate Degree                            |          |     | 0.30393    | ***   |          |     | 0.43192   | *** |
| College Degree                              |          |     | 0.55770    | ***   |          |     | 0.64982   | *** |
| More Than College Degree                    |          |     | 0.77331    | ***   |          |     | 0.84449   | *** |
| <i>Region of Birth</i>                      |          |     |            |       |          |     |           |     |
| Middle Atlantic                             |          |     | 0.04002    | ***   |          |     | 0.01284   | *** |
| East North Central                          |          |     | 0.02335    | ***   |          |     | 0.00146   |     |
| West North Central                          |          |     | 0.01241    | ***   |          |     | -0.00158  |     |
| South Atlantic                              |          |     | 0.02780    | ***   |          |     | 0.00640   | *   |
| East South Central                          |          |     | 0.03629    | ***   |          |     | 0.01386   | *** |
| West South Central                          |          |     | 0.00929    | **    |          |     | -0.01039  | **  |
| Mountain                                    |          |     | 0.00783    | *     |          |     | -0.03790  | *** |
| Pacific                                     |          |     | 0.00873    | **    |          |     | -0.02412  | *** |
| <i>Region of Current Residence</i>          |          |     |            |       |          |     |           |     |
| Middle Atlantic                             |          |     | -0.06885   | ***   |          |     | -0.06772  | *** |
| East North Central                          |          |     | -0.06345   | ***   |          |     | -0.11191  | *** |
| West North Central                          |          |     | -0.17361   | ***   |          |     | -0.17912  | *** |
| South Atlantic                              |          |     | -0.11818   | ***   |          |     | -0.10899  | *** |
| East South Central                          |          |     | -0.13468   | ***   |          |     | -0.16267  | *** |
| West South Central                          |          |     | -0.11585   | ***   |          |     | -0.14524  | *** |
| Mountain                                    |          |     | -0.12568   | ***   |          |     | -0.12911  | *** |
| Pacific                                     |          |     | -0.01184   | ***   |          |     | 0.00013   |     |
| Region of Residence same as Region of Birth |          |     | -0.01561   | ***   |          |     | 0.00177   |     |
| Intercept                                   | 2.83853  | *** | 1.04496    | ***   | 2.53896  | *** | 1.16076   | *** |
| R Square                                    | 0.0045   |     | 0.1889     |       | 0.0043   |     | 0.2288    |     |

\*p < .05; \*\*p < .01; \*\*\*p < .001 (two-tailed tests).