

Labor Market Analysis

Summary Findings

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Research Questions:

With a past of racial inequality in the southern states it would be interesting to examine how race/ethnicity is related to access to the internet and other technologies and how not having or having access could effect a persons earnings. This can be explored via the following research questions:

1. In the state of Alabama, how to earnings vary by access to the internet/technology?
2. Does the internet/technology premium vary by race and ethnicity?

Table of Descriptive Statistics for Free Internet Access

Table 1: Free Access

| Statistic | N | Mean | St. Dev. | Min | Pctl(25) | Pctl(75) | Max |
|-----------|-----|------------|------------|-------|----------|----------|---------|
| AGEP | 372 | 42.078 | 12.541 | 17 | 31 | 53 | 62 |
| WAGP | 372 | 40,218.280 | 35,526.310 | 1,600 | 18,500 | 50,250 | 356,000 |

Table of Descriptive Statistics for No Internet Access

Table 2: No Access

| Statistic | N | Mean | St. Dev. | Min | Pctl(25) | Pctl(75) | Max |
|-----------|-------|------------|------------|-----|----------|----------|---------|
| AGEP | 1,268 | 43.839 | 12.821 | 16 | 32 | 55 | 62 |
| WAGP | 1,268 | 32,564.900 | 30,005.720 | 100 | 15,900 | 40,000 | 356,000 |

Table 3: Results

| | <i>Dependent variable:</i> |
|--------------------------------|-----------------------------|
| | ln_earnings |
| Free Access | 0.100** (0.042) |
| Hispanic | 0.013 (0.082) |
| Black | -0.141*** (0.036) |
| Female | -0.373*** (0.035) |
| Age (Years) | 0.069*** (0.010) |
| Age Squared | -0.001*** (0.0001) |
| High School Diploma or GED | 0.184*** (0.048) |
| Some College | 0.318*** (0.051) |
| Undergraduate Degree or Higher | 0.659*** (0.065) |
| Constant | 8.436*** (0.202) |
| Observations | 1,640 |
| R ² | 0.212 |
| Adjusted R ² | 0.207 |
| Residual Std. Error | 0.681 (df = 1630) |
| F Statistic | 48.618*** (df = 9; 1630) |
| <i>Note:</i> | *p<0.1; **p<0.05; ***p<0.01 |

Table 4: Results

| | <i>Dependent variable:</i> | | |
|--------------------------------|----------------------------|-------------------------|----------------------|
| | White | ln_earnings Black | Hispanic |
| | (1) | (2) | (3) |
| Free Access | 0.055 (0.051) | 0.177** (0.076) | 0.304 (0.249) |
| Female | -0.472*** (0.043) | -0.236*** (0.060) | -0.128 (0.158) |
| Age (Years) | 0.075*** (0.013) | 0.074*** (0.018) | -0.022 (0.051) |
| Age Squared | -0.001*** (0.0002) | -0.001*** (0.0002) | 0.0004 (0.001) |
| High School Diploma or GED | 0.212*** (0.062) | 0.117 (0.083) | 0.147 (0.180) |
| Some College | 0.336*** (0.067) | 0.287*** (0.088) | 0.165 (0.233) |
| Undergraduate Degree or Higher | 0.739*** (0.081) | 0.468*** (0.121) | 0.631** (0.291) |
| Constant | 8.340*** (0.254) | 8.170*** (0.358) | 10.192*** (1.032) |
| Observations | 976 | 586 | 78 |
| R ² | 0.244 | 0.153 | 0.210 |
| Adjusted R ² | 0.238 | 0.143 | 0.131 |
| Residual Std. Error | 0.662 (df = 968) | 0.713 (df = 578) | 0.619 (df = 70) |
| F Statistic | 44.623*** (df = 7; 968) | 14.968*** (df = 7; 578) | 2.652** (df = 7; 70) |

Note:

*p<0.1; **p<0.05; ***p<0.01