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
Age (years)	372	42.078	12.541	17	31	53	62
Earnings (dollars)	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
Age (years)	1,268	43.839	12.821	16	32	55	62
Earnings (dollars)	1,268	32,564.900	30,005.720	100	15,900	40,000	356,000

Table 3: Results

	Dependent variable:
	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)
Note:	*p<0.1; **p<0.05; ***p<0.01

Table 4: Results

		Dependent variable:	
		ln_earnings	
	White	Black	Hispanic
	(1)	(2)	(3)
Free Access	0.055	0.177**	0.304
	(0.051)	(0.076)	(0.249)
Female	−0.472***	−0.236***	−0.128
	(0.043)	(0.060)	(0.158)
Age (Years)	0.075***	0.074***	−0.022
	(0.013)	(0.018)	(0.051)
Age Squared	−0.001***	−0.001***	0.0004
	(0.0002)	(0.0002)	(0.001)
High School Diploma or GED	0.212***	0.117	0.147
	(0.062)	(0.083)	(0.180)
Some College	0.336***	0.287***	0.165
	(0.067)	(0.088)	(0.233)
Undergraduate Degree or Higher	0.739***	0.468***	0.631**
	(0.081)	(0.121)	(0.291)
Constant	8.340***	8.170***	10.192***
	(0.254)	(0.358)	(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