THE EFFECT OF COMPUTER USE ON DISABLED EARNINGS

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The Story

- Implications
- Why does it matter?

income?

Disabled worker discrimination

How does computer use help the earning power of disabled

Hypothesis

Computer use positively impacts the earning power of disabled workers

Data

Data from the Bureau of Labor Statistics Current Population Survey; Computer and internet use Supplement Around 77 total variables in the model Fixed Effects and Controls



Descriptive Statistics

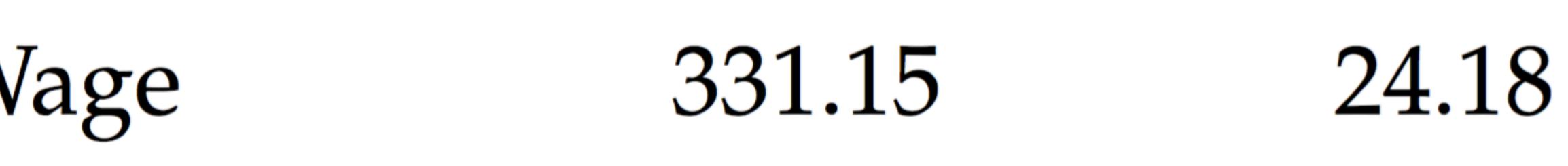
Variable

Hourly Wage

Log Hourly Wage

Computer Use

NonDisabled Disabled



Note: The reported values are means.

2.721.00

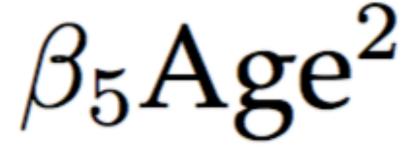
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Nethodology

Two Assumption Models Two Hypothesis Models Heckman model

LogHourlyWage = $\beta_0 + \beta_1$ Computer Use + β_2 Disabled $+ \beta_3 \text{Disabled} * \text{Computer Use} + \beta_4 \text{Age} + \beta_5 \text{Age}^2$ + β_6 Education + β_7 Race + β_8 Gender $+ \beta_9$ State dumies $+ \epsilon$

 $+ \beta_{10}$ Blind $+ \beta_{11}$ Deaf $+ \beta_{12}$ Memory $+ \beta_{13}$ Physical $+ \beta_{14}$ Self Care $+ \beta_{15}$ Errands



Analysis

Disablec 1576.69 2389.62

No Computer Use Computer Use Note: The reported values are ave

d	Non Disabled
	1728.23
	2526.38
verage Hourly Wage	

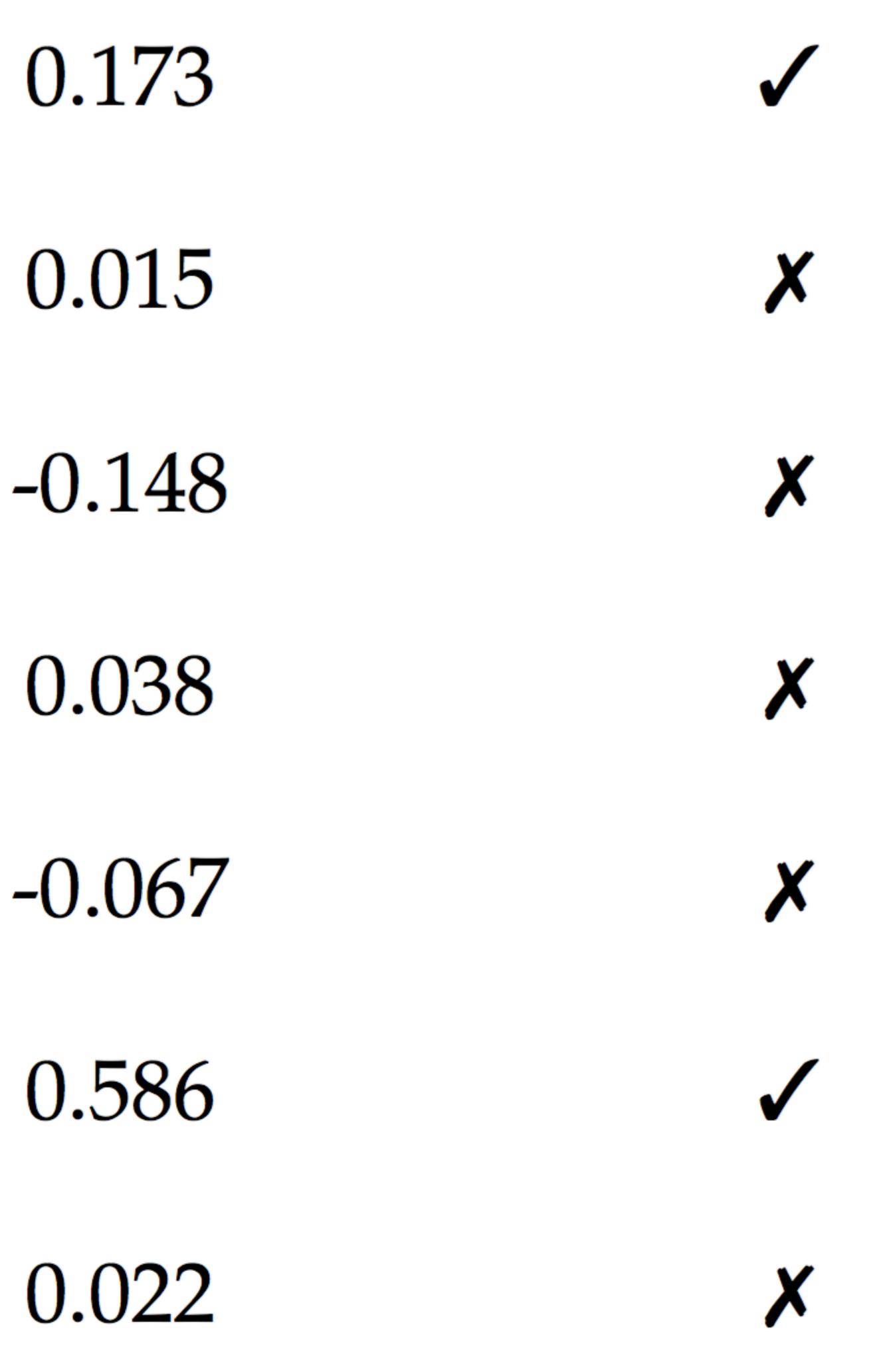
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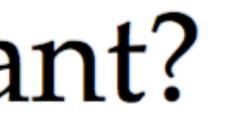
Results

Variables

Computer Use Deaf*Computer Use Blind*Computer Use Memory*Computer Use Physical*Computer Use Selfcare*Computer Use Errands*Computer Use

Regression Results Significant?





General Results

Variables

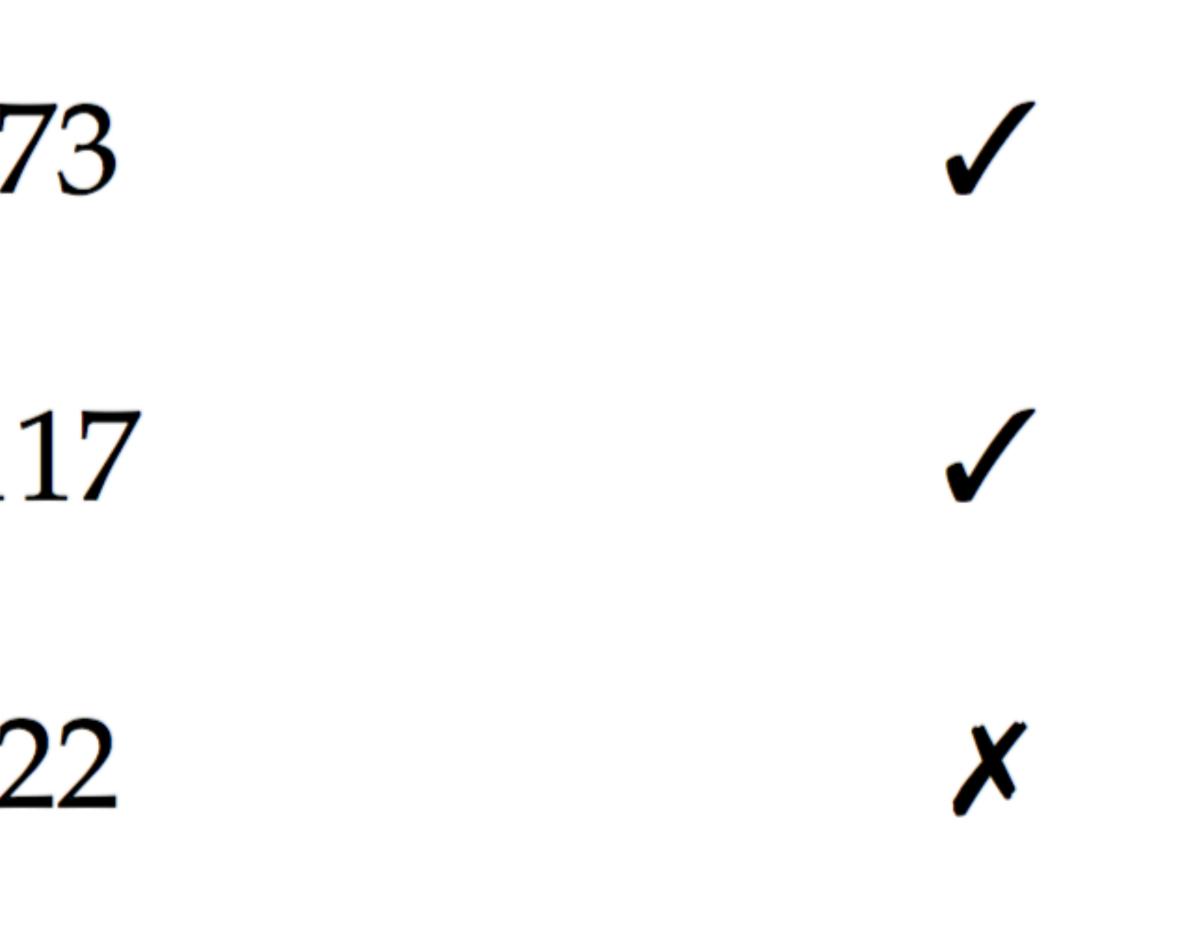
Computer Use Disabled Disabled*Computer Use

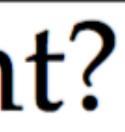
Regression Results Significant?

0.173

-0.117

0.022





Conclusions

- What does this mean?
- Correlation or Causation
- Possible Explanations