

CCIS Operating System Choices: A Magical Mystery Tour Through The Lab



by
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Main idea of "the study"

We went here:



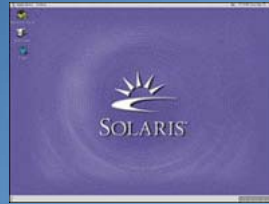
CCIS Lab Operating System Choices

Main idea of "the study"

And noted who was
using:



OR



CCIS Lab Operating System Choices

Research Questions

Given the choice between
Windows XP and Solaris,
which operating system are
CCIS students selecting?

And...

How long does it take them to
make this decision?

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Motivation for the study

- Record data to support our observational hypothesis (More Windows usage)
- Efficient usage of desktop computers in the lab? (24 Windows vs. 48 Solaris)
- No consent required for participants. We fail at human contact.

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Study Design

- Two variables: **computer selected** and **time to find a computer**
- Separate recordings from each group member
- 30 participants per recorder (90 total)
- "Time measured" defined as: participant **walking through turnstile** until **belongings placed at workstation**

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Study Results: Stats Used

Computer Selected
(Nominal)

- Frequency Distribution
- Chi-Square Goodness of Fit

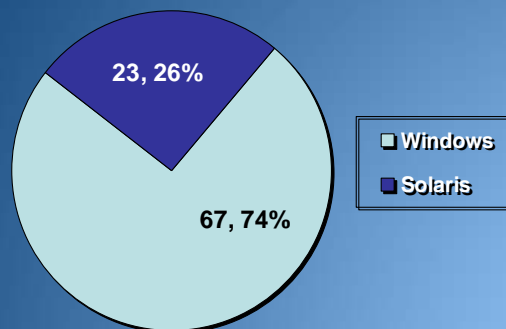
Time To Select Computer
(Ratio...not scale, noobs)

- Descriptive Statistics
- Histogram

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Study Results

Computer Selected:
Frequency Distribution (90 participants)



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Study Results: Stats Used

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Study Results: Chi²

Computer Selected (90
Participants):

Chi Square Goodness of Fit :
21.11

Degrees of Freedom : 1

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Study Results: Descriptive

Time To Select Computer:

- Mean: 14.52 seconds
- Median: 11.50 seconds
- Minimum: 3 seconds
- Maximum: 122 seconds
- Standard Deviation: 15.39 seconds

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Study Results: Stats Used

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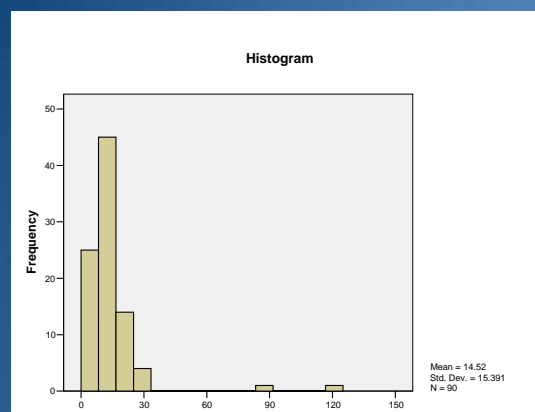
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Study Results: Histogram

Time To Select Computer



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Potentially Confounding Variables

- Same participants counted multiple times in sample
- Time of samples recorded (limited to first week back from spring break)
- Validity of coding manual definitions
- Other operating systems ?

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Conclusions

- We observed that CCIS students prefer Windows XP for doing work in the West Village lab.
- Need a correlational study to further any theories.



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Conclusions

- Approximately 11 seconds to select a workstation, as a median.



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