

Course web site

<http://shot.holycross.edu/courses/ada/S20/>

What is archaeological data analysis?

What is archaeology?

Study of human activity in the past, based on physical remains

Ethical principles

Society for American Archaeology

The archaeological record,

that is,

- ***in situ archaeological material and sites,***
- ***archaeological collections,***
- ***records and reports,***

is irreplaceable.

More general scholarly ethics

- replicable scholarly
- open to all
- responsibility to long-term record

Technological implications

- open licenses
- open physical access
- open formats

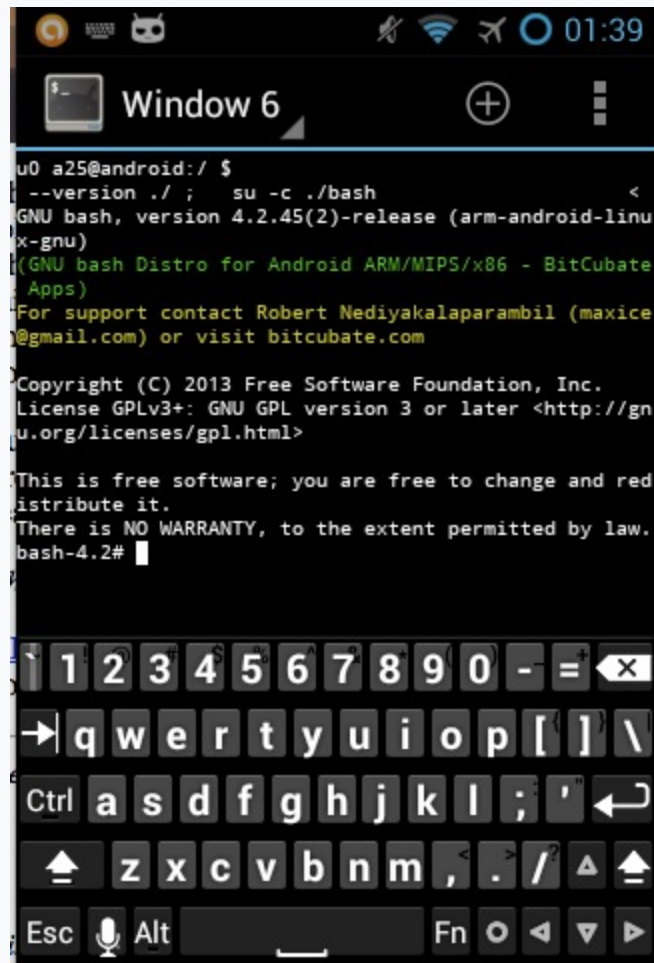
Software we'll introduce Thursday

- a hackable text editor: Atom
- shell: bash
- version control: git

Long-term skills



Contemporary skills



New(er) technologies

Later this term:

- Data science notebooks (Jupyter)
- Available from `github`
- Now hosted on `mybinder`

Data science perspective

- domain expertise trumps better algorithms, so
 - optimize for most valuable resource: human time
- learn (some) quantitative skills, coding, but
 - solve real problems while learning!

