

Managing archaeological data

SAA principles

Review 9 principles: how do they affect our work?

Why?

- Atom
- git
- bash

Typing in bash

- tab completion: laziness is a virtue
- up arrow for history

Navigating bash

- `ls` *list* files in current directory
- `cd` **c**hange **d**irectory*
- `pwd` **p**rint **w**orking **d**irectory

File globbing

- * matches any 0 or more characters
E.g., see all pdfs in a directory:

```
ls *.pdf
```

git and atom from bash

Check that they're installed and `bash` can find them:

- `which atom`
- `which git`

Why program?

Open a Jupyter notebook

Follow link on course homepage to "Jupyter notebooks introducing Scala".

Work through material on "named expressions" and "vectors".

Why Scala?

- functional model
- close fit to my mental models as archaeologist
- good tools
- range of environments:
 - ammonite shell
 - Java Virtual Machine
 - ScalaJS
 - Spark

Introduction to Scala

Today:

- Named expressions
- Vectors
- Run and save a Jupyter notebook to your computer

