# BUILDING HPC CARPENTRY

Applying the Software and Data Carpentry model to training needs in large scale research computing

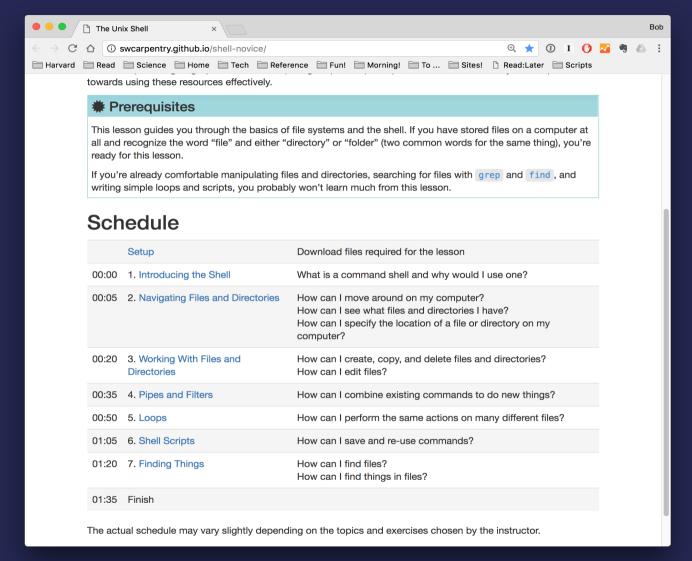
## LESSONS & STRUCTURE

SC'17 BOF: HPC Carpentry, 11/14/17

Bob Freeman, Harvard Business School

#### Workshop & Lessons

- Workshops range from ½ day 2 days in length
- Lesson modules range from 20 60 minutes
  - Learning objectives are clearly defined and used to build the lesson
  - Every 10 15 min, a formative assessment is done
  - Cumulative assessment at the end of each module
- Modules may be trimmed or swapped in/out



#### **Activity**

- On your own, brainstorm the 5 10 skills you would like the provided user profile to have by the end of the workshop.
- Translate these skills into specific learning objectives.
- Group these learning objectives into specific lesson topics

### In your group

An example workshop outline with lesson modules is provided. Assuming a 1 day workshop:

- Verify lesson modules
  - What lessons are missing?
  - What should be dropped or combined?
  - If a longer workshop were given, what could be in Day 2?
- List lesson objectives
  - Pick a specific lesson module. Please list 2 3 learning objectives that embody the skills you desire