Iowa State University

August 24-25, 2015

What is Data Carpentry?

- <u>Objective:</u>
  - Work more effectively with data
- Teach basic concepts, skills, and tools
  - Enable
  - More productive
- ≠ data expert on the Aug 26th
  - How to get what you need
    - Where to start
    - What to google

By the end of the course…

- How to <u>retrieve</u> data
- Why use <u>remote</u> computer
- How to <u>organize</u> your data
- How to <u>manipulate</u> your data
  - View
  - Analyze
  - Store
- How to find information you don't know

Next 2 days…

- Introducing:
  - Unix system
  - How to use remote computer: Amazon EC2
  - Shell
  - R
- How to extend what you learned:
  - Your own data
  - Other remote computer
  - Other tools

Free workshop…

- A learning experience
  - You
  - Us
- Before class survey
  - Where are you at right now?
- After class survey
  - How far did you go after 2 days?
- How can we improve?