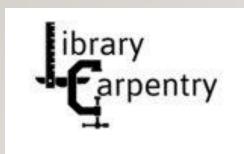# LIBRARY CARPENTRY

PART 1 – INTRO TO DATA

UNT Libraries
Thursday, January 28, 2021

Complete the pre-workshop survey:

https://unt-carpentries.github.io/2021-01-28-unt-lc/

Link to material covered today:

https://librarycarpentry.org/lc-data-intro/

Workshop attendees are expected to follow the Carpentries code of conduct:

https://docs.carpentries.org/topic_folders/policies/code-of-conduct.html

INTRODUCTIONS

- Your role with UNT Libraries

- One thing you would like to automate in your work and/or what you hope to learn today

WHY LIBRARY CARPENTRY?

People working in library- and information-related roles come to Library Carpentry hoping to:

- Cut through the jargon terms and phrases

- Learn how to apply data science concepts in library tasks

- Identify and use best practices in data structures

- Learn how to programmatically clean and transform data

- Work effectively with researchers, IT, and systems colleagues

- Automate repetitive, error prone tasks

WHAT ARE THE CARPENTRIES?

The Carpentries include Data, Software, and Library Carpentries.

- Non-profit teaching data science skills for more effective work and career development

- Training 'in the gaps' that is accessible, approachable, aligned and applicable (the practical skills you need in your work)

- Volunteer instructors, peer-led hands-on intensive workshops

- Open and collaborative lesson materials

- Creating and supporting community, local capacity for teaching and learning these skills and perspectives

WORKSHOP GOALS

- Teach skills

- Get people started and introduce them to what's possible

- Build confidence in using these skills

- Encourage people to continue learning

- Positive learning experience

EXERCISE: JARGON BUSTING

What terms, phrases, or ideas related to data science or software development have you come across and feel you should know better?

Spend 5 minutes writing down a list of terms.

JARGON BUSTING, CONTINUED

- In your assigned groups, compare lists and identify any common terms, phrases, or ideas.

- Spend 10 minutes defining these terms using your collective knowledge and any internet resources

- Identify the terms your groups were able to explain as well as those you are still struggling with.

- Each group then reports back on one issue resolved by their group and one issue not resolved by their group.

SOME RESOURCES

Tech Terms
https://techterms.com/category/technical

National Library of Medicine – Data Thesaurus
https://nnlm.gov/data/thesaurus

Dataquest.io **- Data Science Terms and Jargon: A Glossary**
https://www.dataquest.io/blog/data-science-glossary/

Share any others you might know in the chat!