

Faculty Scholarship and Creative Works

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Taking a Grassroots Approach: Creating a Future for STEAM Based Research, Data, and Tools Support at the UCF Libraries

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Taking a Grassroots Approach: Creating a Future for STEAM Based Research, Data, and Tools Support at the UCF Libraries



About the University of Central Florida

- One of 12 state public universities in the state
- → Located about 10 miles east of downtown Orlando
- → 69,525 students¹
- → UCF was ranked top 20 most innovative universities in the US and placed top 50 in best undergraduate teaching and undergraduate research by *U.S. News & World Reports* in Sept. 2020 ²
- 1. Fall 2019 https://www.ucf.edu/about-ucf/facts/
- 2. https://www.ucf.edu/news/ucf-ranks-among-nations-top-20-most-innovative-universities/













STEAM Bootcamp Working Group & Campus Partners

UCF Libraries STEAM Working Group:

- → Subject Liaisons
- → Scholarly Communication Librarian
- → Data Management Librarian

Campus Partners:

- → College of Graduate Studies
- → College of Sciences
- → Graduate Research & Information Technology (GRIT)





Background

- Science & Engineering Librarians interest & engagement with Data Services through attending conferences which led to the formation of broader group
- Data Management & Engineering Librarian Office of Research
 NSF workshops on DMP Tool conducted for over 10 years
- Graduate Workshops / Pathways to Success through Office of Grad Studies
- Office of Scholarly Communication Stay Savvy with Scholarly
 Communication / professional development on data topics (since 2015)











Pilot Workshop Series Overview

Four workshops over two semesters

- → Fall 2019
 - Planning Your Literature Review
 - ◆ Flex Your Data Management Muscles
- → Spring 2020 *Cancelled due to COVID-19*
 - Data Visualization Tools, Data Sources & Data Clean-Up
 - Maximizing the Impact of your Data: Citation
 Metrics & Online Research Profiles









In Taking a Closer Look...

→ Aim & Scope

 Refined content and future workshops based on participating in the Research Data Management Librarian Academy (RDMLA), campus partnerships, and participating in Data Carpentries certification (https://www.canvas.net/browse/simmonsu/courses/research-data-management)

→ Sustainability & Scalability

 Discussed how to sustain and scale workshops based on interest / increased requests

→ Outreach & Marketing

 Discussed how to leverage campus partners to increase outreach and marketing, along with exploring other strategies to promote awareness and attendance at sessions



Workshop Series 2.0 & Future Plans

- → Foundations of Data Management
 Spring 2021
 - Finding Data Sources
 - Working with Data
 - Managing Data
 - Maximizing the Impact of Your Data
- → Data Visualization & Tools

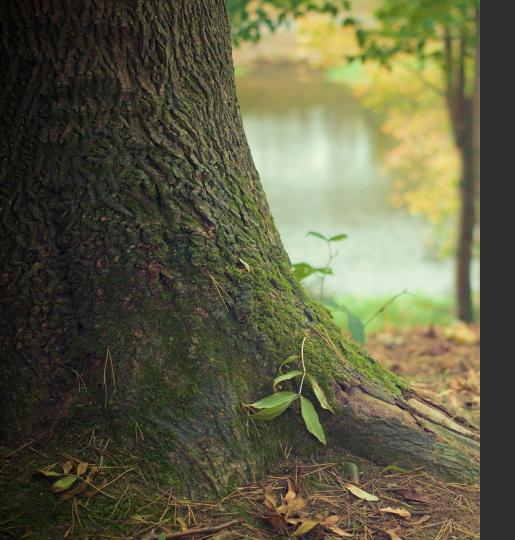
 Summer 2021/Fall 2021
- → Data Carpentries Workshops
 Spring 2021 & Beyond





Recommendations for Implementing at Your Own Institution





- → Consider an environmental scan (of your library & your institution)
- → Engage in learning opportunities
- → Leverage existing partnerships
- → Foster new partnerships
- → Leverage expertise & insight of data experts
- → Don't try to do it all!
- → Start small and build program over time
 - Be flexible and adjust as needed (communicate with your team)



Public Domain Image References

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Thank you! Any questions?

Feel free to contact our team:

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