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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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University of Central Florida Libraries

Midwest Data Librarian Symposium 2020

October 15, 2020



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/>






**The Path to Research,
Data, and Tools Support
at the UCF Libraries**



UCF



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)

NSF CAREER Workshop Series:
Conducting a Comprehensive Literature Review
Crafting the Data Management Plan
Constructing the Project Budget
Virtual Workshop

Audience: UCF Faculty & Staff Sponsored by:  Office of Research

Pathways to Success
Personal and Professional Development Opportunities

 **unlockresearch**
OpenAccess
University of Central Florida



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





Assessing Pilot Workshop Series



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



UCF



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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