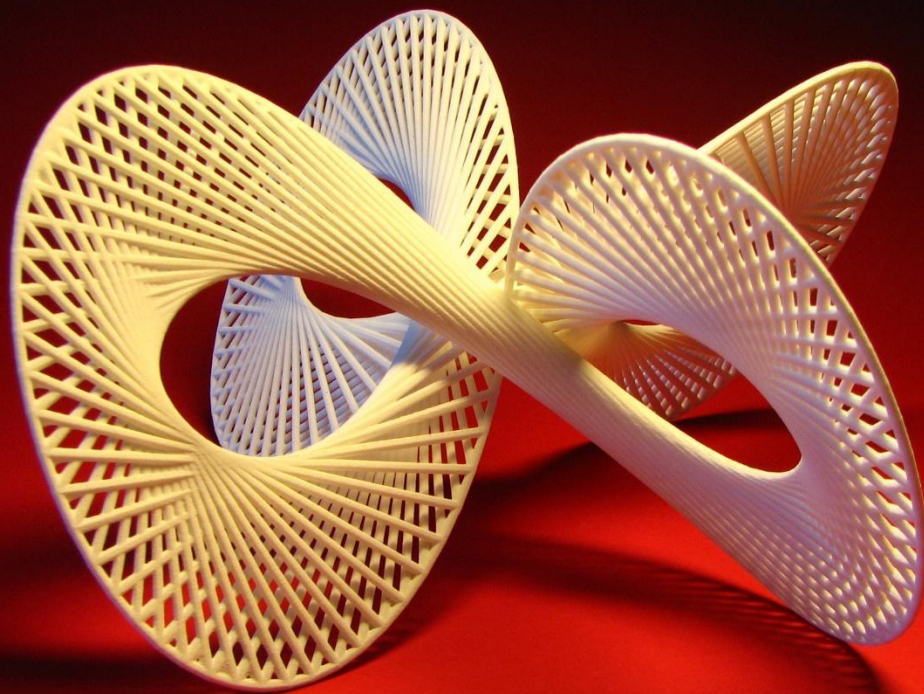**Summer 2022**

NCDS Data Librarianship Intern Resource Guide

version 2

Contributors

- Aundria Parkman
- Justin de la Cruz
- Genevieve Milliken
- Peace Ossom-Williamson
- Mikala Narlock
- Shawna Taylor
- Jennifer Darragh
- Wind Cowles
- Scout Calvert
- Amy Yarnell

Organizations/Associations

- [Medical Library Association](#)
  - [MLA Data Caucus](#)
  - [All MLA Caucuses](#)
- [American Library Association](#)
- [Joint Council of Librarians of Color](#)
- [Research Data Access & Preservation (RDAP) Association](#)
- [International Association for Social Science Information Service and Technology (IASSIST)](#)
- [Research Data Alliance (RDA)](#)
- [CODATA](#)
- [FORCE11](#)
- [Data for Black Lives](#)
- [Campus Research Computing Consortium (CaRCC)](#)
- [Coalition for Networked Information (CNI)](#)

Listservs

- [Code4Lib](#) – A description of this listserv is [here](#). It is oriented more toward "coding in libraries," but some of the topics overlap with data librarianship.
- [DataCure](#)
- [RDAP](#)
- Academic Data Science Alliance (ASDA) - [Data Science Community Newsletter](#)
- [Coalition for Networked Information (CNI)](#)

Conferences (Not Administered Through Membership Organizations)

- [OpenRepositories](#)
- [csv,conf](#)
- [International Data Curation Conference (IDCC)](#)
- [DLF Forum](#)

- [REFORMA](#) - not yet scheduled (may not be active this year)
- [National Conference of African American Librarians](#) (may not be active this year)
- [Southeast Data Librarian Symposium](#) (SEDLS)
- [Midwest Data Librarian Symposium](#) (MDLS)

Reference Books and Resources

- [NNLM Data Glossary](#) is an online dictionary of RDS terms created by the NNLM National Center for Data Services
- [NLM Guide: Training on Biomedical Informatics, Data Science, and Data Management](#) is a site of trainings and resources for various data topics
- [Data Science for Librarians](#) by Yunfei Du & Hammad Rauf Khan

- [ACRL's The Data Literacy Cookbook](#) edited by Kelly Getz and Meryl Brodsky

- [The Data Notebook](#) by Kenton Rambsy and Peace Ossom-Williamson
  OER teaching introductory data literacy skills using Black examples and activities

- [Fundamentals of Clinical Data Science](#) by Pieter Kubben, Michel Dumontier, and Andre Dekker

- [R for Data Science](#), by Hadley Wickham and Garrett Grolemund Introduction to the Tidyverse packages in R

- [Automate the Boring Stuff with Python](#), by Al Sweigart
  This is a great introduction to Python that focuses on using it for saving time when working with files and data. It includes practical examples with step-by-step instructions and chapters on web scraping and working with csv files, Excel, Word, and other things.

- [The Medical Library Association Guide to Data Management for Librarians](#) by Lisa Federer

- [Data Management for Researchers: Organize, maintain and share your data for research success](#) by Kristin Briney

- [NNLM Toolkit for the NIH Data Management and Sharing Policy](#)

- [Curating Research Data, Volumes 1 and 2](#) by Lisa R. Johnston

- [Section 2.2 Open Data](#) (by Brianna Marshall) of the OER: *Scholarly Communication Librarianship and Open Knowledge* (in press - 2023) by Josh Bolick, Maria Bonn, & Will Cross

- [Databrarianship: the academic data librarian in theory and practice](#) by Lynda M. Kellam & Kristi Thompson

- [Data Feminism](#) by Catherine D'Ignazio

- W. E. B. Du Bois's Data Portraits: Visualizing Black America by [The W.E.B. Du Bois Center at the University of Massachusetts](#) (Data Visualization)

Books (non-reference): professional books; fiction OK if applicable

- [Pushing the Margins: Women of Color and Intersectionality in LIS](#), Editors: Rose L. Chou and Annie Pho. [Book review](#).

- [Sorting Things Out: Classification and Its Consequences (Inside Technology)](#)

- [Burnout: The Secret to Unlocking the Stress Cycle](#)

Multimedia: Tutorials, blogs, videos, DVDs, CDs, podcasts, etc.

- [Library Carpentry](#) lessons are detailed, step-by-step tutorials on how to learn specific topics. The organization offers live (paid) sessions every so often, usually hosted by and paid for by an institution for their workers, but the lessons are also freely available on their website (with lesson materials on GitHub).

- [Towards Data Science](#) is a great blog that has a lot of posts on a lot of different topics, and is a great site to search for topics in data science. (Note: The site may require you to create a Medium account to keep reading.)

- [MANTRA](#) is a free, online non-assessed course with guidelines to help you understand and reflect on how to manage the digital data you collect throughout

your research. It has been crafted for the use of post-graduate students, early career researchers, and also information professionals.

- [Research Data Management and Sharing](#) - MOOC offered by The University of North Carolina at Chapel Hill & The University of Edinburgh through Coursera

- [Research Data Management Librarian Academy (RDMLA)](#) - run as a MOOC; a free online professional development program for librarians, information professionals, and other professionals who work in a research-intensive environment throughout the world.

- [Fundamentals of Health Sciences Research Data Management](#) - free online course on RDM skills for library services, offered annually by NNLM NCDS

- [Fundamentals of Health Data Science](#) - free online course teaching data literacy and Python, offered annually by NNLM NCDS

- [Data Science Specialization](#) - MOOC offered by Johns Hopkins University through Coursera

- [PY4E](#)- This web site is building a set of free materials, lectures, book and assignments to help students learn how to program in Python.

- [A library Writer's Blog](#)- "Have writer's block? Hopefully this resource will help librarians identify publishing and presentation opportunities in library & information science, as well as other related fields."

- [ResearchDataQ](#), publishes editorials on data topics. Part of ALA/ACRL Digital Scholarship Section

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Social media: RSS feeds, YouTube/Vimeo channels, Twitter hashtags

- #datalibs, #medlibs
- Most conferences have designated hashtags; check the details on conference websites

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Websites

- [NNLM Data Glossary](#)
- [Library | Detroit Community Technology Project](#)
- [Data & Society](#)
- [Python for Everybody](#)
- [LinkedIn Learning GitHub](#)

Scholarly journals

- [Code4Lib](#) — Oriented more toward "coding in libraries," but some of the topics overlap with data librarianship.
- [JeSLIB](#)– Journal of eScience Librarianship – really good combo of theory and practice, including case studies.
- [IJDC](#)— International Journal of Data Curation
- [Journal of Critical Digital Librarianship](#)– really broad in scope.
- [Data Science Journal](#)

Databases

- [PolicyMap](#) - application for creating maps from many useful data sources
- [SimplyAnalytics](#) - provides a wide range of data sources for downloadable datasets and maps
- [Data Axle Reference Solutions](#) - business and consumer data
- [Wharton Research Data Services](#) - database of over 600 datasets across disciplines, including business and healthcare data
- [HathiTrust Datasets](#) - public domain works available for text data mining
- [GIDEON](#) - infectious disease data source

Other: Public Access Statistics and Data

- [Data.gov](#) — U.S. government open data.
- [IPUMS](#) - census and survey data
- [data.census.gov](#) - U.S. Census Bureau's open data
- [Data Literacy Projects Dataverse](#) - a source of projects/datasets to be used for teaching data literacy concepts
- [Kaggle](#) — interesting open data sets that are typically oriented toward data science projects.
- [Awesome Public Datasets](#) - a huge list of (mostly) open data.
- [County Health Rankings and Roadmaps](#) - public health information for U.S. counties
- [NYC Open Data](#) - free public data published by New York City agencies and other partners. You can also use the map at https://data.gov/open-gov/ to locate other city-level data.
- [ICPSR](#) - social sciences data from university researchers. some datasets require ICPSR membership
- US Census: https://www.census.gov/en.html
- National Center for Education Statistics https://nces.ed.gov/
- [US Police Shootings data 2011-2014](#) (links to a Google Sheet)
- [Searches – Fatal Encounters](#)

- Repositories, such as [Dataverse](#) repositories, [Dryad](#), [arXiv](#), and [Zenodo](#). Find more repositories at [re3data.org](#)