

Thea Atwood, MSLIS

Education

Syracuse University: Syracuse, NY

Master of Science in Library and Information Science, 2012

Indiana University: Bloomington, IN

B.S. with Honors in Psychology, 2007

Minors in Biology and Studio Art, Certificate in Neuroscience

Experience

**Public and Environmental Health Sciences Librarian, Sciences Library, Indiana University
Bloomington, 2022 – present**

- Actively engage with faculty, students, and staff in departments related to public health and environmental health, including Environmental and Occupational Health and the Human Biology Program.
- Support creative research inquiry through consultations, referred questions, and reference and research support.
- Develop learner-centered tools and instruction sessions related to research and information literacy.
- Promote library tools, services, and collections that support research and scholarly communication.
- Build rich and relevant library research collections related to public health and environmental health.
- Promote the Libraries' culture of diversity and inclusion.
- Lead the development and assessment of an Evidence Synthesis / Systematic Review service for the IU Bloomington campus.
- Provide specialized consultations on searching for and conducting systematic reviews and evidence syntheses.

Data Services Librarian, Du Bois Library, University of Massachusetts Amherst, 2017 - 2022

- Instructed and supported the use of tools, technologies, and methods to improve workflow, reproducibility, dissemination, preservation, and presentation of research data and research objects to faculty, researchers, and students.
- Provided consultations on topics related to research data management, including reproducibility, planning, data documentation, and data sharing.
- Designed a sustainable framework for providing services, including personalized assistance with data management plans, workshops on data management, consultations, online self-help, and topical events and programs.
- Developed partnerships with relevant stakeholders in data management, including compliance officers, information security officers, directors of faculty development, Graduate School, Office of Research and Engagement, Information Technology, Institute for Social Science Research, Center for Research on Families, and external institutions.
- Collaborated with the Institutional Repository Librarian to implement and maintain an institutional data repository and associated policies for UMass Amherst scholars and researchers.
- Participated in strategic initiatives to assess how the Libraries can meet the needs of UMass Amherst researchers, including an Ithaka S+R study on needs of big data researchers and a task force to investigate institutional repository and journal platforms.
- Implemented a campus-wide Research Data Management Strategic Plan in order to provide a robust suite of services for the management and sharing of research data and scholarly outputs.
- Built and sustained a community of practice for librarians with data management responsibilities by leading and contributing to innovative and community-driven initiatives, including the Research Data Management Roundtables, Library Carpentry, and the New England Software Carpentry Library Consortium.
- Maintained awareness of current trends related to data and data deposit, including: reproducible computing and analyses; discipline-specific repositories; reputation and identity management; funder, journal, and organizational data mandates; policy issues; archiving data and supplemental information; metadata; altmetrics; data citation; and data curation.
- Administrator of UMass Amherst's instance of the Data Management Plan Tool (dmptool.org).
- Co-administrator of the UMass Amherst Data & Datasets Repository at ScholarWorks@UMass.

Science and Engineering Librarian, Science and Engineering Library, University of Massachusetts Amherst, 2014 - 2017

- Campus data specialist and liaison to the departments of Astronomy, Computer Science, and Physics.
- Administrator of UMass Amherst's instance of the Data Management Plan Tool (dmptool.org).
- Managed the Research Data Services page of the Libraries' Website.
- Developed and presented workshops on various aspects of data management, including best practices, policy, and writing a data management plan for grants.
- Provided learner-centered library and data management instruction through class sessions, one-on-one consultations, workshops, and for-credit courses.
- Maintained an awareness of trends in standards and policies relating to data, including federal data and open scholarship policies.
- Established and maintained relationships with stakeholders in data services and successful grant applications across campus, including the Graduate School, Research Compliance, and Research Engagement.
- Responded to campus and community needs through entrepreneurial endeavors, like the Research Data Management Roundtables, the DMPTool, and related workshops.

Interdisciplinary Science Librarian, Harold F. Johnson Library, Hampshire College, 2012 - 2014

- Liaison to the schools of Cognitive Science and Natural Science, providing outreach, teaching, and one-on-one guidance services to students and faculty. Responded to faculty and student requests for purchasing and teaching opportunities.
- Maintained over twenty -subject guides to assist students researching topics in the Cognitive and Natural sciences.
- Developed learner-centered library instruction sessions and workshops.
- Established collection development policies for Natural and Cognitive Science, and maintained the library's collection through weeding, updating materials, and soliciting advice from faculty.
- Researched and implemented web-based reference data collection tool, Gimlet.
- Co-manager of Library blog, *The Harold* (<http://sites.hampshire.edu/theharold>). Generated guidelines for student and staff posts. Encouraged regular posting and engagement with *The Harold* from staff and student workers.
- Developed, implemented, and oversaw the *Seed Lending Library at Hampshire College*, and the *Hampshire College Game Library*.

Data Management Consultant, 2011 - 2012

Mountz Lab, Syracuse University, Syracuse, NY

- Provided training and support for content analysis program, Atlas.ti.
- Developed a custom database to catalog and tag interview data.
- Researched opportunities for sharing a dataset with highly sensitive information, and alternative methods for disseminating information.
- Supported data management best practices, including development of a data dictionary and storage and backup solutions for sensitive data when working in areas with irregular/inconsistent internet connectivity.

Scientific Data Consulting Group Intern, 2011

Brown Science and Engineering Library, University of Virginia, Charlottesville, VA

- Interviewed scientists to assess current data practices, awareness of risk management and other policies.
- Developed data management templates for the National Science foundation directorates, National Endowment for the Humanities, and the Institute of Museum and Library Services.
- Created and revised project proposals in response to Citizen Science Alliance call for submissions.
- Provided feedback on submitted Data Management Plans.
- Researched and generated blog posts on data management best practices for the Graduate Student Data Portal (no longer active; link to the Internet Archive's page capture:
https://web.archive.org/web/20130711151342/http://pages.shanti.virginia.edu:80/SciDaC_Grad_Training/author/tpa5z/)

MRI Technician, 2007 - 2010

Indiana University Department of Psychological and Brain Sciences, Bloomington, IN

- Operated a Siemens 3 Tesla MRI and managed the research facility.
- Upheld safety and confidentiality guidelines as specified by the American College of Radiology and the Indiana University Institutional Review Board, including safety screening participants, informing participants of risks inherent in an fMRI study, and tracking exposure hours.

- Interviewed and directed a variety of subject populations, including children, adults, substance abusers, Parkinson's patients, and university undergraduate and graduate students.
- Facilitated the collection of data for the labs of ten faculty members and their collaborators.
- Communicated status changes related to the facility or data collection.
- Analyzed and recorded data pertaining to system quality and stability.
- Responded to emergency situations and equipment failures.
- Participated in Organizational, Safety, and Research Outcomes Committees.

Publications

Peer-reviewed

Jerome, E., and Atwood, T. (In press). Bridging Scholarly Communication and Data Services: Intersections in Openness and Sharing. In M. Bonn, J. Bolick, and W. Cross (Eds.), *Scholarly Communication and Open Culture: Law, Economics, and Publishing*. Association of College and Research Libraries.

Jerome, E., Atwood, T., Radik, M., and Seifried, R. (In press). Envisioning the Future of a Mature IR: A Midlife Assessment of ScholarWorks@UMassAmherst. In Cromwell, J. (Ed.) *Rethinking Institutional Repositories: Innovations in Management, Collections, and Inclusion*. Association of College and Research Libraries.

Knapp, R., Borrego, P., and Atwood, T. (2021). Yours, Mine, Ours: Some Best Practices for Librarians Writing Collaboratively. *Journal of Creative Library Practice*.

<https://creativelibrarypractice.org/2021/11/01/yours-mine-ours/>

Atwood, T., Jerome, E., Kardos, A., McGinty, S., Radik, M. and Reznik-Zellen, R., (2021). Cross-functional policy development for a Data Repository. *Journal of Librarianship and Scholarly Communication*, 9(1). <https://doi.org/10.31274/jlsc.12911>

Lee, K., and Atwood, T. (2019). Writing with Librarians: Reporting out on turning your poster or presentation into an article. *Journal of eScience Librarianship*, 8(2): e1168.

<https://doi.org/10.7191/jeslib.2019.1168>.

Atwood, T., Creamer, A., Dull, J., Goldman, J., Lee, K., Leligdon, L., and Oelker, S. (2019). Joining together to build more: The New England Software Carpentry Library Consortium. *Journal of eScience Librarianship*, 8(1): e1161. <https://doi.org/10.7191/jeslib.2019.1161>

Atwood, T., and Reznik-Zellen, R. (2018). Using the Visualization Software Evaluation Rubric to explore six freely available visualization applications. *Journal of eScience Librarianship*, 7(1): e1122. <https://doi.org/10.7191/jeslib.2018.1122>

Atwood, T., Condon, P. B., Goldman, J., Hohenstein, T., Mills, C. V., and Painter, Z. W. (2017). Grassroots professional development via the New England Research Data Management Roundtables. *Journal of eScience Librarianship*, 6(2): e1111. <https://doi.org/10.7191/jeslib.2017.1111>

Bohémier, K. A., Atwood, T., Kuehn, A., and Qin, J. (2011). A content analysis of institutional data policies. *Proceeding of the 11th annual international ACM/IEEE joint conference on Digital libraries – JCDL '11*. 409. DOI: [10.1145/1998076.1998159](https://doi.org/10.1145/1998076.1998159)

James, Karin H. and Atwood, T. (2009). The role of sensorimotor learning in the perception of letter-like forms: Tracking the causes of neural specialization for letters. *Cognitive Neuropsychology*, 26(1). <http://www.ncbi.nlm.nih.gov/pubmed/18830859>

Non-peer reviewed

Atwood, T. (2021). Accelerating Public Access to Research Data initiative at UMass Amherst. *Bookmark Magazine*, 6. <https://bookmarkmagazine.library.umass.edu/accelerating-public-access-to-research-data/>

Ali, I., Atwood, T., Curty, R., Ghaphery, J., McGreary, T., Muilenburg, J., and Ruttenberg, J. (2022). Research Data Services: Partnerships. *Association of Research Libraries and Canadian Association of Research Libraries*. <https://doi.org/10.29242/report.rdspartnerships2022>

Atwood, T., Radik., M., and Seifried, R. (2021). Supporting Big Data Researchers at the University of Massachusetts Amherst. *University Libraries Working Papers and Reports*. <https://doi.org/10.7275/jsr0-2n21>

Whitehead, M., Askey, D., Bourne-Tyson, D., Estlund, K., Haigh, S., Stewart, C., Tancheva, K., Walters, T., Ali, I., Atwood, T., Cain, J., Carlson, J., Cowles, W., Curty, R., Fortin, M., Ghaphery, J., Johnston, L., Koshoffer, A., Kozlowski, W., Lake, S., McGreary, T., Ogier, A., Smith, P., Watts, J.,

Muilenburg, J., & Ruttenberg, J. (2021). *Association of Research Libraries / Canadian Association of Research Libraries Joint Task Force on Research Data Services: Final Report*. Association of Research Libraries. <https://www.arl.org/wp-content/uploads/2021/07/2021.07.16-arl-carl-joint-task-force-on-research-data-services-final-report.pdf>

Atwood, T., Kardos, A., and Jerome, E. (2021) Files and folders and (avoiding) fatal exceptions, oh my! Care for your data and tell stories. *Visual Storytelling: How we use data and images to tell important stories about the world around us*. UMass Amherst Science & Engineering Library exhibit. Available: <https://sway.office.com/279W4HxAowr8lizr?ref=Link>

Atwood, T., Button, L., Dalton, M., Donais, J., Green, M., Griffin, J., Howard, K., Moss, E., Reznik-Zellen, R., Tuominen, M., and Walker, L. (2020). Research Data Management Strategic Plan for the University of Massachusetts Amherst.

Atwood, T. (2020). University of Massachusetts Amherst Response to Draft Desirable Characteristics of Repositories for the Managing and Sharing Data Resulting from Federally Funded Research. https://scholarworks.umass.edu/librarian_pubs/84

Dull, J., Atwood, T., Creamer, A., Goldman, J., Lee, K., Leligdon, L., Oelker, S., and Erdmann, C. (2018). New England Libraries Team Up to Become Carpentries Members [Blog post]. Library Carpentry. Retrieved from <https://librarycarpentry.org/blog/2018/08/new-england-libraries-carpentries-consortium/>

Atwood, T., Creamer, A., Henderson, M., Lee, K., Leligdon, L., and Oelker, S. (2018). NN/LM NER e-Science Program, Research Support Committee White Paper on Supporting Researcher Needs [White Paper]. National Network of Libraries of Medicine New England Region. https://scholarworks.umass.edu/librarian_pubs/75/

Whitmire, A., Briney, K., Nurnberger, A., Henderson, M., Atwood, T., Janz, M., Kozlowski, W., Lake, S., Vandegrift, M., Zilinski, L., (2016). A table summarizing the Federal public access policies resulting from the US Office of Science and Technology Policy memorandum of February 2013 [data set]. figshare. <https://dx.doi.org/10.6084/m9.figshare.1372041.v5>

Presentations

Presentations and Workshops

Condon, P., Atwood, T., and DeRose, C. (2020). *Tapping into Specialist Knowledge: Strategies to Enhance Data Services Through Collaboration*. Presentation given as part of ACRL-ULS Professional Development Committee program.

<https://drive.google.com/file/d/1xbghWbk1ONBoreBSZA-lJeya64JioOxa/view>

Atwood, T., Kardos, A. (2019). *Collaborative policy writing for the UMass Amherst Data Repository*. Presentation given at the Northeast Institutional Repository Day (NIRD).

<https://escholarship.umassmed.edu/neirug/2019/program/11/>

Atwood, T., and Paquette, M. (2019). *Work-life balance bootcamp with baby*. Lightning talk at the Five College Libraries All Staff Meeting. Mount Holyoke College.

<https://docs.google.com/presentation/d/1r2sLvGzQMDoYbUtywaz0tGJtiflx5pEySFFsuEhL5xM/edit?usp=sharing>

Atwood, T., Lee, K. (2019). *Turning Your Poster or Presentation into a Paper*. Workshop presented at Research Data Access and Preservation (RDAP). <https://osf.io/89cy2/>

Atwood, T., (2019). *Getting to know Git and GitHub for version control*. Presentation at the New England Technical Services Librarians Annual Conference. College of the Holy Cross.

<https://github.com/tpatwood/netsl-2019-demo>

Atwood, T., Jerome, E., and Valen, D. (2019). *Digital Repositories as a way to manage data and reputation beyond publications*. Presentation at the National Organization of Research Development Professionals, New England Section. Brandeis University.

https://scholarworks.umass.edu/librarian_presentations/2/

Atwood, T., Burke, J., and Oelker, S. (2019). *Offering "Carpentry" lessons to help 5 College researchers learn the skills they need*. Lightning talk at the Five College Innovative Learning Symposium. Mount Holyoke College.

<https://drive.google.com/file/d/1gtplDMosa6E3oopJJxH89woGmVA74MPb/view>

Atwood, T. (2018). *Building Data Services with a minimum viable product mindset*. Lightning talk at the Research Data Management Roundtable #10. University of Connecticut.
https://scholarworks.umass.edu/librarian_presentations/1/

Atwood, T. (2016). *Demystifying Library Research: An Evolution*. Lightning talk at the Five College Innovative Learning Symposium. Mount Holyoke College.
<https://docs.google.com/presentation/d/1ryH-zBvNqyXpQk4L2NI8bHf80Zvp0VwqPAjcMr1K1Qs/edit?usp=sharing>

Panels

Condon, P., Atwood, T., and DeRose, C. (2019). *On the fringe: How data professionals collaborate for stronger library programs*. Panel discussion at the Association of College and Research Libraries New England Chapter Annual Conference. Holiday Inn by the Bay, Portland, Maine. https://scholarworks.umass.edu/acrl_nec_conf/2019/panel_discussion/4/

Conference Posters

Atwood, T., Creamer, A., Dull, J., Goldman, J., Lee, K., Leligdon, L., and Oelker, S. (2018). *The New England Software Carpentry Library Consortium: Developing a Carpentry Instructor Community of Practice*. Poster session presented at the 10th Annual New England Area e-Science Symposium. https://nesclic.github.io/home/blob/pubs/20180404_eSciencePoster.pdf

Atwood, T. (2017). *Librarians, funders, and the 2013 OSTP Public Access and Open Data Memoranda*. Poster session presented at the 9th Annual New England Area e-Science Symposium. https://escholarship.umassmed.edu/escience_symposium/2017/posters/7/

Atwood, T., Goldman, J., Hohenstein, T., Mills, C. V., and Wyman, S. (2016). *Serving an information potluck at the Research Data Management Roundtable*. Poster session presented at the 8th Annual New England Area e-Science Symposium.
http://escholarship.umassmed.edu/escience_symposium/2016/posters/3/

Baines, A., and Atwood, T. (2014). *Agility in the library: How to say yes or no to new projects and initiatives*. Poster session presented at the Association of College and Research Libraries - New England Region Conference. https://figshare.com/articles/Agility_in_the_Library/1021709

Awards and Honors

Syracuse University e-Science Fellow, 2010 - 2012

Grants and Fellowships

Information Literacy Course Grant, Indiana University Libraries, 2022. \$1500.

Knowledge & Data Management, National Network of Libraries of Medicine, 2017. \$9,694.

MSP Research Support Fund, Massachusetts Society of Professors, 2015, \$1000; 2016, \$1000; 2017, \$1000; 2018, \$1000; 2019, \$1000

Flex Grant for Teaching/Faculty Development, UMass Amherst Institute for Teaching Excellence & Faculty Development, 2014, \$500; 2015, \$500; 2016, \$500; 2018, \$500; 2019, \$500.

Programming and Events

Software Carpentry, 2 day workshop, Mount Holyoke College, [June 2019](#)

Software Carpentry, 2 day workshop, UMass Amherst, [January 2019](#)

Increasing Openness and Reproducibility in Quantitative Research, 2017

Research Data Management Roundtables, August 2015; November 2015; June 2016; November 2016; March 2017; July 2017; December 2017; August 2018; September 2018; December 2018; July 2019

Finals Fun Breaks, Fall and Spring semesters, 2015 - 2021

New England Science Boot Camp for Librarians, one event per year, 2014 - 2018

Exploring Open Science Workshop and Panel, October 2014

Service

National

Journal of Librarianship and Scholarly Communication, Reviewer, 2020 - 2022
ARL/CARL Joint Task Force on Research Data Services, Member, 2019 - 2021
Journal of the Medical Library Association, Reviewer, 2019 - 2022
Library Carpentry, Lesson Reviewer and Maintainer for Tidy Data, 2018 - 2022
eScience Program Advisory Board, Member, 2016 - 2018
Love Your Data Week, Planning Committee Member, 2016
Sub-committee for Portal for Researchers Development, Member, 2016 - 2018
Best Practices for Biomedical Research Data Management Massive Open Online Course (MOOC), Content Consultant and Instructor, 2016 - 2018
Journal of eScience Librarianship, Reviewer, 2015 - 2022

Regional

Five College User Experience Committee, 2019 - 2020
Research Data Services Interest Group, ACRL|NEC, Co-founder & Co-chair, 2018 - 2020
New England Software Carpentry Library Consortium Executive Committee, Member, 2017 - 2022
New England Software Carpentry Library Consortium, Member, 2017 - 2022
Research Data Management Roundtables, Co-founder & Chair, 2015 - 2018
New England Science Boot Camp for Librarians, Organizing Member, 2014 - 2018
Five College Digital Preservation Task Force, Member, 2014 - 2016

Campus - UMass Amherst

Librarians Council, Past Chair, 2021 - 2022
Librarians Council, Chair, 2020 - 2021
Research Computing Committee, Faculty Senate, Chair 2020 - 2022
Librarians Council Executive Committee, Chair, 2020 - 2021
Institutional Repository Task Force, Secretary, 2020 - 2022
Librarians Council, Vice Chair, 2019 - 2020
Librarians Council Executive Committee, Member, 2019 - 2022
Research Data Management Strategic Planning Task Force, 2019 - 2022
Research Computing Committee, Faculty Senate, Member, 2018 - 2022
Pre-Dissertation Research Grants, Office of Prof. Development, Reviewer, 2017 - 2022
Three Minute Thesis Competition, Office of Prof. Development, Judge, 2017 - 2022
UMass Amherst Data Working Group, Libraries, Chair, 2016 - 2022
Digital Scholarship Services Coordinating Committee, Member, 2019

Staff Council, Member, 2018 - 2019
Librarians Personnel Committee, Secretary, 2017 - 2018
Research Administrators Advisory Board, Member, 2016 - 2022
Web Working Group, Member, 2016 - 2018
MSP Grievance Committee, Member, 2016 - 2017
Compliance Officer, Librarian's Council, 2015 - 2017
UMass Amherst Data Working Group, Libraries, Member, 2014 – 2022
Marketing Workgroup, Member, 2014 - 2015
Librarian's Council Professional Development Committee, Member 2014 - 2015

Campus - Hampshire College

Marketing and Outreach, Co-chair, 2013 - 2014
Three College Islandora Pilot Committee, Member, 2013 - 2014
Digital Environment Development and Coordinating Committee (DEDCC), Member, 2013
Strategic Planning Working Group, Member 2012

Teaching Experience

Courses

Demystifying Library Research (UNIV-190L), 1 credit, 18 students. Spring 2016

Selected Workshops

Cleaning Your Data with OpenRefine, 2021
Getting to Know Git and Github for Version Control, 2019, 2021
I'm a PI, Now What?, 2019
Software Carpentry, 2019
Managing Data Towards Open, 2018
Open Access and Compliance with Funder Mandates, 2016
Data Management Basics for STEM, 2014
Data Management for the Digital Humanities, 2013

Continuing Education

[Systematic Review Services Specialization](#). Medical Library Association. 2022 – present.

[Faculty Success Program](#). National Center for Faculty Development and Diversity. 2022.

[BLC Leads](#). Leadership training. Boston Library Consortium. 2020 - 2021.

[Introduction to Project Management](#). Library Juice Academy, 2019.

[Writing for the Web](#). Library Juice Academy, 2019.

[Working Faster, Working Smarter: Productivity Strategies for Librarians](#). Library Juice Academy, 2018.

[Software Carpentry Instructor Training](#), New England Software Carpentry Library Consortium, University of Massachusetts Amherst, Amherst MA, 2018.

[Software Carpentry Workshop](#), Tufts University, Medford, MA, 2017.

[Data Science and Visualization Institute for Librarians](#), North Carolina State University, Raleigh, NC, 2017.

[Copyright Bootcamp](#), University of Massachusetts Amherst, Amherst, MA, 2015.

[Association of College & Research Libraries Immersion Program](#) -- [Teacher Track](#), Champlain College, Burlington, VT, 2014.

[Digital Preservation Management Workshop](#), Smith College, Northampton MA, 2014.

Knowledge and Skills

Applications:

Proficient: Microsoft Office, Google Docs, Moodle, Gimlet, LibAnalytics, relational databases, citation management systems

Working Knowledge: Aleph (ILS), Photoshop, Audacity, Microsoft Movie Maker

Programming and analysis:

Working Knowledge: Unix, Python, R, Tableau, Atlas.ti, NVivo

Workflow management and Electronic Lab Notebooks:

Proficient: Open Science Framework (OSF)

Working Knowledge: git, Taverna, sciNote, LabArchives

Metadata:

Working Knowledge: DataCite, Simple Dublin Core, Darwin Core, XML

Web development and content management systems:

Proficient: HTML, Wordpress

Working Knowledge: CSS, CONTENTdm, Digital Commons, Islandora, Silverstripe

Certifications

[Systematic Review Services Specialization](#), Level I. Medical Library Association. 2023 – 2026.

[Collaborative Institutional Training Initiative](#), Responsible Conduct of Research training; Social and Behavioral Research Investigators and Key Personnel training; Conflict of Interest training, 2019. Expires 2024.

Software Carpentry Instructor (2018)

Professional Memberships

American Library Association (ALA), 2012 – present

Association of College and Research Libraries (ACRL), 2012 - present

Medical Library Association (MLA), 2022 – present

Association of College and Research Libraries New England Chapter (ACRL|NEC), 2018 - 2022

Research Data Access and Preservation (RDAP), 2018 - 2022

Association for Information Science and Technology (ASIS&T), 2015 - 2018