Thea Atwood

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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

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

- Develop partnerships with relevant stakeholders in data management, including compliance 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.
- Design a sustainable framework for providing services, including personalized assistance with data management plans, workshops on data management, online self-help, partnering with and educating liaison librarians, and topical events and programs.
- Collaborate with the Institutional Repository Librarian to develop and implement an institutional data repository and associated policies for UMass Amherst scholars and researchers.
- Instruct faculty, students, researchers, and other scholars in the use of methodologies and tools to improve reproducibility, dissemination, preservation, and presentation of research data.
- Build and sustain 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.
- Liaise with the Office of Research and Engagement and Information Technology on data management initiatives.
- Maintain 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).
- Manage the Research Data Services page of the Libraries' Website.

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), including 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 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

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

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

Other Publications

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/2018/08/13/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.

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

Peer-reviewed Presentations

Atwood, T. (2019, proposed). *Developing Data Services using the Minimum Viable Product approach.* Presentation at the Research Data Access and Preservation Summit, May 2019.

Atwood, T., Condon, P., O'Toole, J., and Radik, M. (2019, proposed). *Low-stakes professional development in emerging areas of librarianship: a case study with the Research Data Management Roundtables.* Panel at the Research Data Access and Preservation Summit, May 2019.

Atwood, T., Jerome, E., and Gallo, U. (2019). *Connecting research development professionals to the library: a case study with Institutional Repositories.* Presentation at the National Organization of Research Development Professionals New England conference, January 2019.

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

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 <u>Atwood, T.</u> (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

Other Presentations

<u>Atwood, T.</u>, (2018). *Developing Data Services with a Minimum Viable Product Mindset.* Lightning talk at the 10th Research Data Management Roundtable.

Bresnehan, M., Painter, Z., and <u>Atwood, T.</u> (2017). *Developing assignments and learning objectives for Research Data Management instruction sessions.* Panel presentation at the 5th Research Data Management Roundtable.

Awards and Honors

Syracuse University e-Science Fellow, 2010 - 2012

Grants

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

Programming and Events

Increasing Openness and Reproducibility in Quantitative Research Workshop, 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; anticipated May 2019

Finals Fun Breaks, Fall and Spring semesters, Science and Engineering Library, 2015 - 2017; Du Bois Library, 2018 - present

New England Science Boot Camp for Librarians, 2014 - 2018

Exploring Open Science Workshop and Panel, October 2014

Service

National
Library Carpentry, Lesson Reviewer and Maintainer for Tidy Data and Git, 2018 - present
eScience Program Advisory Board, Member, 2016 - 2018
Love Your Data Week, Planning Committee Member, 2016
Portal for Researchers Development Sub-Committee, 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 - present

Regional
Research Data Management Special Interest Group, ACRL-NEC, Co-founder & Co-chair, 2018 - present
New England Software Carpentry Library Consortium Executive Committee, Member, 2017 - present
New England Software Carpentry Library Consortium, Member, 2017 - present
Research Data Management Roundtables, Co-founder & Organizing Member, 2015 - 2018
New England Science Boot Camp for Librarians, Organizing Member, 2014 - 2018
Five College Digital Preservation Task Force, Member, 2014 - 2016

UMass Amherst
Library
Staff Council, Member, 2018 - present
Librarian's Council, Secretary, 2017 - 2018
Data Working Group, Chair, 2016 - present; Member, 2014 - 2016
Web Working Group, Member, 2016 - present
MSP Compliance Officer, Librarian's Council, 2015 - 2017
Marketing Workgroup, Member, 2014 - 2015
Librarian's Council Professional Development Committee, Member 2014 - 2015

Campus-wide
Ad-hoc Research Computing Committee, 2018 - present
Pre-Dissertation Research Grants, Office of Professional Development, Invited Reviewer, 2017 - present
Three Minute Thesis Competition, Office of Professional Development, Invited Judge, 2017
Research Administration Advisory Board, Member, 2016 - present
MSP Grievance Committee, Member, 2016 - 2017

Hampshire College
Marketing and Outreach Committee, 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

Software Carpentry, University of Massachusetts Amherst Libraries, anticipated January 2019
Managing Data Towards Open, University of Massachusetts Amherst Libraries, 2018
Open Access and Compliance with Funder Mandates, University of Massachusetts Amherst Libraries, 2016
Guidance on writing a DMP for your Doctoral Dissertation Research Improvement Grant, University of Massachusetts Office of Professional Development, 2014 - present
Data Management Basics for STEM, University of Massachusetts Amherst Libraries, 2014 - present
Data Management for the Digital Humanities, Five Colleges, Inc., 2013

Selected Continuing Education

[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

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, Islandora, Silverstripe

Certifications

Software Carpentry Instructor (2018)

Professional Memberships

American Library Association (ALA), 2012 - present

Association of College & Research Libraries (ACRL), 2012 - present
> Science and Technology Section, 2012 - present
> ACRL New England Chapter, 2016 - present
> Digital Scholarship Section, 2018 - present

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