

# Thea Atwood

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## Education

**Syracuse University:** Syracuse, NY

Master of Science in Library and Information Science, 2012

eScience Librarianship Fellow, 2010 - 2012

**Indiana University:** Bloomington, IN

B.S. with Honors in Psychology, 2007

Minors in Biology and Studio Art, Certificate in Neuroscience

## Experience

**Science and Engineering Librarian,** 2014 - present

Science and Engineering Library, University of Massachusetts Amherst, Amherst, MA

- 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](http://dmptool.org)).
- Manages the Research Data Services page of the Libraries' Website (<http://www.library.umass.edu/services/research/rds/>).
- Develops and presents data management workshops, covering topics such as best practices, policy, tools, and completing the data management plan section of grants.
- Provides learner-centered information literacy and data information literacy instruction through class sessions, one-on-one consultations, workshops, and for-credit courses.
- Collaborates with colleagues across the region to plan and assess professional development events, such as the Science Boot Camp for Librarians.
- Maintains an awareness of trends in standards and policies relating to data, including federal data and open scholarship policies.
- Establishes and maintains relationships with stakeholders in data services and successful grant applications across campus, including the Graduate School, Research Compliance, and Research Engagement.
- Responds to campus and community needs through entrepreneurial endeavors, like the Research Data Management Roundtables, the DMPTool, and related workshops.

### **Interdisciplinary Science Librarian, 2012 - 2014**

Harold F. Johnson Library, Hampshire College, Amherst, MA

- 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 areas of interest in Cognitive and Natural Science.
- 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.
- Pursued and maintained a collaborative relationship with the Office of Foundation and Government Relations.
- Provided data management guidance and advice to faculty, including the digital humanities.
- Co-manager of Library blog, *The Harold* (<http://sites.hampshire.edu/theharold>). Generated guidelines and guidance 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, Consultant, 2012**

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:

### **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.
- Coordinating meetings between the director of the facility and researchers.
- Participated in Organizational, Safety, and Research Outcomes Committees.

### **Faculty Research Assistant, 2005 - 2007**

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

- Assistant to Dr. Karin H. James
- Designed fMRI and training portions of study.
- Recruited and trained participants.
- Collected, analyzed, and interpreted fMRI data.

## **Scholarship**

### **Publications**

Atwood, T., Condon, P., Goldman, J., Hohenstein, T., Mills, C.V., and Painter, Z. (in press). Grassroots professional development via the Research Data Management Roundtables. *Journal of eScience Librarianship*. 6(1). e1111.

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. figshare. DOI: [10.6084/m9.figshare.1372041.v5](https://doi.org/10.6084/m9.figshare.1372041.v5)

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, Thea P. (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>

## Conference Posters

Atwood, T. (2017). *Librarians, funders, and the 2013 OSTP Public Access and Open Data Memoranda*. Poster session presented at the New England Area e-Science Symposium.

[http://escholarship.umassmed.edu/escience\\_symposium/2017/posters/7](http://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 New England Area e-Science Symposium. [http://escholarship.umassmed.edu/escience\\_symposium/2016/posters/3/](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](https://figshare.com/articles/Agility_in_the_Library/1021709)

## Awards and Honors

Syracuse University e-Science Librarian Fellow, 2010 - 2012

## Grants and Fellowships

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

**Research Support Fund**, Massachusetts Society of Professors, 2015, \$1,000, 2016, \$1000, 2017, \$1000.

**Flex Grant for Teaching and Faculty Development**, UMass Amherst Institute for Teaching Excellence and Faculty Development, 2014, \$500, 2015, \$500, 2016, \$500.

## Programming and Events

Research Data Management Roundtables, three times per year, 2015 – present

Finals Fun Breaks, each semester, 2015 – present

New England Science Boot Camp for Librarians, once per year, 2014 – present

Exploring Open Science Workshop and Panel, October 2014

## Service

### National

**eScience Program Advisory Board**, Member, 2017 - present

**Love Your Data Week**, Planning Committee Member, 2016 - present

**Sub-committee for Portal for Researchers**, Member, 2016 - present

**Best Practices for Biomedical Research Data Management Massive Open Online Course (MOOC)**, Content Consultant and Instructor, 2016 - present

**Journal of eScience Librarianship**, Reviewer, 2015 - present

### Regional

**New England Research Data Management Roundtables**, Co-founder & Planning Committee Member, 2015 - present; Chair, 2017 - present

**New England Science Boot Camp for Librarians**, Planning Committee Member, 2014 - present

**Five College Digital Preservation Task Force**, Member, 2014 - 2016

### Campus - UMass Amherst

**Pre-dissertation Research Grants**, Office of Professional Development, Reviewer, 2017

**Three Minute Thesis Competition**, Office of Professional Development, Invited Judge, 2017

**UMass Amherst Data Working Group**, Member, 2014 - 2016; Chair, 2016 - present

**Research Administration Advisory Board**, Member, 2016 - present

**Web Working Group**, Member, 2016 - present

**MSP Grievance Committee**, Member, 2016 - present

**Compliance Officer**, Librarian's Council, 2015 - present

**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**

Getting Control of Version Control with git, 2017

Open Access and Compliance with Funder Mandates, 2016

Guidance on writing a DMP for your Doctoral Dissertation Research Improvement Grant, 2014 - present

Data Management Basics for STEM, 2014 - present

Data Management for the Digital Humanities, 2013

## **Selected Continuing Education**

[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

## **Research Interests**

Data policy (government, regional, and institutional); Research Data Services and impact; Community development through communities of interest; Research lifecycle best practices; Emerging trends in Data Services

## **Knowledge and Skills**

### **Applications**

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

Working Knowledge: Aleph (ILS), Photoshop, Audacity, Microsoft Movie Maker, Sci2, Gephi

### **Code and analysis**

Working Knowledge: Regular Expressions, Python, R, Tableau, Atlas.ti, BrainVoyager

### **Workflow management and Electronic Lab Notebooks**

Proficient: Open Science Framework (OSF), GitHub for Windows

Working Knowledge: git BASH, Taverna, sciNote, LabArchives

### **Metadata**

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

### **Web development and content management systems**

Proficient: HTML, Wordpress, Silverstripe

Working Knowledge: Foundation, CSS, CONTENTdm, Islandora

## **Professional Memberships**

**ALA**, 2012 - present

**ASIS&T**, 2015 - present