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, University of Massachusetts Amherst, 2014 - present

- 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).
- 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.
- Serves on local, regional, and national committees, task forces, and groups.
- Maintains an awareness of trends in 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, 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 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.
- Participated in internal and Five College Committees to further the mission of the Hampshire College Library and the Five College Libraries.
- 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 alternative and future opportunities for data use.
- 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, 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 Humantites, 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 current issues in data management, the data life-cycle, long-term preservation, open access, publication standards, data repositories, and the relationship between academic libraries and e-science.
- 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/20130711065518/https://pages.shanti.virginia.edu/SciDaC_Grad_Training/tag/spss/)

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.

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

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.*

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

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, 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

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/

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 Librarian Fellow, 2010 - 2012

Grants and Fellowships

Knowledge & Data Management, National Network of Libraries of Medicine, 2017
Research Support Fund, Massachusetts Society of Professors, 2015, 2016, 2017
Flex Grant for Teaching and Faculty Development, Institute for Teaching Excellence and Faculty Development, 2014, 2015, 2016

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

Member, eScience Program Advisory Board, 2017 - present
Planning Committee Member, Love Your Data Week, 2016 - present
Member, Sub-committee for Portal for Researchers Development, 2016 - present
Content Consultant and Instructor, Best Practices for Biomedical Research Data Management Massive Open Online Course (MOOC), 2016 - present
Reviewer, Journal of eScience Librarianship, 2015 - present

Regional

Co-founder & Planning Committee Member, Research Data Management Roundtables, 2015 - present, **Chair**, 2017 - present
Planning Committee Member, New England Science Boot Camp for Librarians, 2014 - present
Member, Five College Digital Preservation Task Force, 2014 - 2016

Campus - UMass Amherst

Reviewer, Pre-dissertation Research Grants, Office of Professional Development, 2017
Invited Judge, Three Minute Thesis Competition, Office of Professional Development, 2017
Chair, UMass Amherst Data Working Group, 2016 - present; **Member**, 2014 - 2016
Member, Research Administration Advisory Board, 2016 - present
Member, Web Working Group, 2016 - present
Member, MSP Grievance Committee, 2016 - present
Compliance Officer, Librarian's Council, 2015 - present
Member, Marketing Workgroup, 2014 - 2015
Member, Librarian's Council Professional Development Committee, 2014 - 2015

Campus - Hampshire College

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

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