

# Kelsey Badger

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Curriculum Vitae  
Last updated January 2024

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## EDUCATION

### **M.S. in Information Sciences**

#### **Interdisciplinary Minor in Computational Science**

The University of Tennessee, Knoxville (4.0 GPA)

- Graduate Research Assistant, Collaborative Analysis Liaison Librarians (IMLS grant [RE-13-19-0027-19](#))
- Graduate Intern, U.S. Geological Survey, Community for Data Integration

### **B.A. in Humanities with Great Distinction**

Shimer College, Chicago, IL (4.0 GPA)

- Research Assistant to Dr. Betty M. Bayer, Senior Fellow, Martin Marty Center, University of Chicago
- Editorial Intern, The Great Books Foundation

## APPOINTMENTS & PROFESSIONAL EXPERIENCE

### **The Ohio State University**, Columbus, OH

*University Libraries, Research Services*

Assistant Professor and Research Data Librarian (June 2022- present)

- Lead the development of a programmatic approach to research data services, including research data management and sharing, tools and workflows for scientific reproducibility, and the discovery and re-use of open and proprietary data sources.

### **Erikson Institute Graduate School**, Chicago, IL

*Illinois Department of Children and Family Services Early Childhood Project*

Project Assistant (May 2015- July 2020)

- Full lifecycle data management for 3,500 annual clients in Intact Family Services (IFS) cases.
- Visualize and prepare reports of IFS administrative data for internal and external stakeholders.
- Data cleaning and entry for Illinois Birth through Three (IB3) Title IV-E waiver demonstration.
- Cost control, reconciliation, and projections for 3.2-million-dollar state contract.
- Liaison between the Project's graduate school and state offices for joint needs in data and financial reporting, human resources, and publicity of Project mission.
- Perform literature reviews to support practice-based research and quality improvement.

### **Sullivan University**, Louisville, KY (remote, part-time)

Learning Management System (LMS) Renovator (October 2016- June 2017)

- Data cleaning during migration between ANGEL LMS and Blackboard.

## **SERVICE & ADMINISTRATION**

### **The Ohio State University**

#### *University*

- NIH Data Management and Sharing policy working group, co-convener, 2022-present
- Research Networking Study Group, member, 2022-present

#### *University Libraries*

- Data Services Forum, convener, 2022-present
- Search committee for GIS Specialist, member, 2024

#### *College of Arts and Sciences*

- Search committee for ASCTech Data Manager, member, 2023

### **University of Tennessee Knoxville**

#### *College of Communication and Information*

- Research Advisory Committee, member, 2021-2022
- CCI 44<sup>th</sup> Annual Research Symposium, presentation judge, 2022

#### *School of Information Sciences*

- Association for Information Science & Technology Student Chapter, secretary, 2020-2022
- IMLS Collaborative Analysis Liaison Librarians Summit planning committee, member, 2022

### **Erikson Institute**

- Strategic Planning Small Group, member, 2018-2019

### **Professional Service**

#### **Organizations & Conferences**

##### *International*

- International Love Data Week planning committee, member, 2022-present

##### *National*

- Big Ten Academic Alliance, Collaborative Archive & Data Research Environment (CADRE) sunseting committee, member, 2023.
- Big Ten Academic Alliance, Love Data Week planning team, member, 2023.
- Working Group on NIH DMSP Guidance, co-facilitator, 2022-2023.

##### *Regional*

- Midwest Data Librarian Symposium planning committee, member: 2022-present, co-chair: 2023

#### **Review**

- Ohio State Translational Data Analytics Institute, Interdisciplinary Research Pilot Awards, 2024
- Collaborative Institutional Training Initiative (CITI Program), *Data Management for Biomedical Research*, 2023
- National Institute for Standards and Technology, *Research Data Framework (RDaF)*, 2022-2023

## PUBLICATIONS, PRESENTATIONS, & GRANTS

### Articles, Peer-Reviewed

**Badger, K.** (2023). Towards a shared framework: A classificatory matrix for teaching data standards. *Journal of eScience Librarianship*, 12(3). <https://doi.org/10.7191/jeslib.758>

Hertz, M. I., **Badger, K.**, Bohman, L., Carr Jones, L., Nieman Hislop, C., Smith, K., & Ye, H. (2023). A problem shared is a community created: Recommendations for cross-institutional collaborations. *Journal of eScience Librarianship*, 12(3). <https://doi.org/10.7191/jeslib.754>

Atkins, J., **Badger, K.**, Jordan, C., Nelsen, H., Ozment, K., & Young, O. (2022). Translating liaison librarians to the scientific community. *Journal of eScience Librarianship*, 11(1). <https://doi.org/10.7191/jeslib.2022.1229>

### Conference Proceedings, Peer-Reviewed

Nutwell, E., **Badger, K.**, Kulp, J. T. (2024). Data for healthy communities: A public interest pilot course designed to develop K-12 data literacy. In *Proceedings of the 55th ACM Technical Symposium on Computer Science Education (SIGCSE 2024), March 20–23, 2024, Portland, OR, USA*. ACM, New York, NY, USA, 2 pages. <https://doi.org/10.1145/3626253.3635589>

### Scholarly Presentations & Poster Sessions

**Badger, K.** and Biszaha, A. (March 2024). Into the unknown: Seeking perspectives from non-users [Accepted Presentation]. Research Data Access and Preservation (RDAP) Virtual Summit.

Nutwell, E., **Badger, K.**, Kulp, J. T. (March 2024). Data for healthy communities: A public interest pilot course designed to develop K-12 data literacy [Accepted Poster]. ACM Technical Symposium on Computer Science Education (SIGCSE), Portland, Oregon.

**Badger, K.**, Biszaha, A., Schulte, S. (October 2023). It's complicated: Collaborating for National Institutes of Health data policy changes across an R1 institution [Presentation]. Midwest Chapter of the Medical Library Association Virtual Conference. <https://osf.io/myxz2>

**Badger, K.** (October 2023). Where to share? Collaborative exploration of disciplinary repositories [Workshop]. Midwest Data Librarian Symposium, Cincinnati, Ohio. <https://doi.org/10.17605/OSF.IO/8JWKR>

**Badger, K.**, Biszaha, A., Schulte, S. (May 2023). It's complicated: Collaborating for National Institutes of Health data policy changes across an R1 institution [Presentation]. Medical Library Association and Special Libraries Association 2023 Joint Meeting, Detroit, Michigan.

Orban, C. and **Badger, K.** (May 2023). Making Data Science the New Normal [Workshop]. Ohio Project Kaleidoscope (PKAL) Regional Spring Meeting, Gambier, Ohio.

**Badger, K.** (April 2023). Data management on the front lines: Managing administrative data at the source [Presentation]. CSV Conf, Buenos Aires, Argentina. <https://doi.org/10.5281/zenodo.7863304>

**Badger, K.** (March 2023). Data standards 101 [Poster]. Research Data Access and Preservation (RDAP) Virtual Summit. <https://doi.org/10.17605/OSF.IO/AVJ7B>

**Badger, K.** (May 2022). Student product showcase [Presentation]. IMLS Collaborative Analysis Liaison Librarians (CALL) Summit, University of Tennessee, Knoxville, online.

Atkins, J., **Badger, K.**, Jordan, C., Nelsen, H., Ozment, K., & Young, O. (February 2022). Telling the story: Accessing, analyzing, and visualizing publication data to communicate organizational research impact [Poster]. The University of Tennessee College of Communication and Information (CCI) 44<sup>th</sup> Annual Research Symposium, online. <https://cci.utk.edu/cci-research-symposium/archive/cci-research-symposium-2022>

**Crick, K.** (April 2015). We came to believe: A Heideggerian reading of Alcoholics Anonymous redemption narratives [Presentation]. The Association for Core Texts & Courses Student Conference, University of Dallas.

### **Editorial Contributions**

Includes: surround material [headnotes, author biographies, discussion guides]; content research and selection

Ahlquist, D., et al., editors. *Her Own Accord: American Women on Identity, Culture, and Community*. Chicago: The Great Books Foundation, 2016.

Ahlquist, D., Galpine, L., & Whitfield, D. H., editors. *Counterparts*. Chicago: The Great Books Foundation, 2015.

Ahlquist, D., Galpine, L., & Whitfield, D. H., editors. *Imperfect Ideal: Utopian and Dystopian Visions*. Chicago: The Great Books Foundation, 2015.

### **Open Educational Resources**

**Badger, K.**, Calkins, H., Carr Jones, L., Grynock, T., Koshoffer, A., LaPreze, D., May, A., Nieman, C., Otsuji, R., Phegley, L., & Ye, H. (2022). *Extended Reference for Data Management and Sharing Plan Checklist*. Working Group on NIH DMSP Guidance. <https://doi.org/10.17605/OSF.IO/UADXR>

**Badger, K.**, Calkins, H., Carr Jones, L., Grynock, T., Koshoffer, A., LaPreze, D., May, A., Nieman, C., Otsuji, R., Phegley, L., & Ye, H. (2022). *Data management and sharing plan checklist for researchers*. Working Group on NIH DMSP Guidance. <https://doi.org/10.17605/OSF.IO/UADXR>

**Crick, K.** (2015). Discussion Guide for *The Handmaid's Tale* by Margaret Atwood. The Great Books Foundation. ([PDF](#))

**Crick, K.** (2015). Discussion Guide for *The Republic* by Plato. The Great Books Foundation. ([PDF](#))

**Crick, K.** (2015). Discussion Guide for *1984* by George Orwell. The Great Books Foundation. ([PDF](#))

**Crick, K.** (2015). Discussion Guide for *Brave New World* by Aldous Huxley. The Great Books Foundation. ([PDF](#))

**Crick, K.** (2015). Discussion Guide for *Metropolis* directed by Fritz Lang. The Great Books Foundation. ([PDF](#))

### **Grants**

2023-24. Experiential Learning Through Collaborative Learning in Data Science and Analytics. New Venture Fund, Public Interest Technology University Network (PIT-UN) Challenge. \$147,321 Principal investigator: Emily Nutwell. Co-principal investigator: **Kelsey Badger**.

## HONORS & AWARDS

2022	CCI Outstanding Information Sciences Graduate Award, The University of Tennessee
2022	Volunteer of Distinction: Extraordinary Professional Promise, The University of Tennessee
2020-21	J. Wallace and Katie Dean Endowed Graduate Fellowship, The University of Tennessee
2020	Administrative Excellence in Public Service (Finalist), The Chicagoland Admin Awards
2011-15	Montaigne Half-Tuition Scholarship, Shimer College
2011-15	Vogt Educational & Leadership Scholarship, Community Foundation of Louisville
2011-15	Renau Writing Scholarship, Renau Foundation of Louisville
2010	Kentucky Governor's Scholar, The Commonwealth of Kentucky
2009	Class of Kentucky Honoree, The University of Kentucky

## SELECT TECHNICAL SKILLS

### Applications & Software

#### *Advanced*

- Excel – PivotTables, VBA and Macros, complex functions and workflows
- SharePoint – metadata and taxonomy design, complex Document Sets and Libraries
- Acrobat Pro DC – interactive form design

#### *Intermediate*

- Jupyter Lab/Jupyter Notebook
- Google Colab
- Open Science Framework (OSF)
- DMPTool
- MS Access [front and back-end]
- NVivo
- Qualtrics
- OpenRefine
- KNIME

### Scripting & Other Skills

#### *Intermediate*

- R(Studio) – data cleaning, statistical analysis [time series, topic modeling], data visualization
- Python – XML parsing, dashboard development [Dash, Plotly]
- Git, GitHub, GitLab
- Markdown/YAML
- Scopus API

#### *Beginner*

- JavaScript
- SQL
- SPARQL