Nicholas M. Weber

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Current Position

Assistant Professor.
University of Washington- Information School.
Seattle, WA.

Education

2015	PhD - Library & Information Science, *University of Illinois.*
2010	MSlis - Library & Information Science , *University of Illinois.*
2005	BA - English Literature & American History, *University of Illinois.*

Professional Experience

Current	Qualitative Data Repository (Syracuse University).
2015	Beckman Institute for Advanced Science and Technology.
2014	National Center for Atmospheric Research.
2011-13	Data Conservancy.
2011	Data Observation Network for Earth (DataONE).

Publications & Conference Proceedings

JOURNAL ARTICLES

2017	Mayernik, M. S., Hart, D. L., Maull, K. E., & Weber, N. M. (2017). *Assessing and tracing the outcomes and impact of research infrastructures.* Journal of the Association for Information Science and Technology. doi: 10.1002/asi.23721
2016	Karcher, S., Kirilova, D., & Weber, N. (2016). *Beyond the matrix: Repository services for qualitative data.* IFLA Journal, 42(4), 292-302.
2015	Downs, R. R., Lenhardt, W. C., Robinson, E., Davis, E., & Weber, N. (2015). *Community recommendations for sustainable scientific software.* Journal of Open Research Software, 3(1). doi: 10.5334/jors.bt

Weber, N., Thomer, A., Mayernik, M., Worley, S. Dattore, B. & Ji, Z. (2013) *The Product and System Specificities of Measuring Curation Impact.* International Journal of Digital Curation. 8 (2), p. 223-234: doi:10.2218/ijdc.v8i2.286

Weber, N. M., Thomer, A. K., & Strand, G. (2013). *Complications in climate data classification: The Political and cultural production of variable names.* Advances in Classification Research Online, 23(1), 57-58.

Palmer, C., Weber, N., Munoz, T., & Renear, A. (2013) *Foundations of data curation: The Pedagogy and practice of 'purposeful work' with research data*, Archives Journal.

2012   Weber, N., Palmer, C., & Chao, T. (2012) *Current trends and future directions in data curation research and education*, Journal of Web Librarianship. 6 (4), p. 305-320.

UNDER REVIEW

Weber, N. *Design Patterns for Shared Data Governance.* Journal of Documentation. Submitted December, 2017.
Weber, N. & Yan, A. *The Use of Open Government Data in Basic Research.* PLoS. Submitted December, 2017.
Alexander, S., Jones, K. ... Weber, N. *Accelerating Synthesis for Conservation through Qualitative Data Sharing.* Conservation Letters. Submitted December 2017.

IN PREPARATION

Weber, N. *Open for Whom? Integrating User Comments into Open Data Quality Models.* Government Information Quarterly.
Weber, N. & Karcher, S. *Annotations for Transparent Qualitative Inquiry.* Journal of The Association for Information Science & Technology (JASIST).
Weber, N. & Jackson, B. *Three Modes of Transparency in Civic Tech.* Government Information Quarterly.

BOOK CHAPTERS

2015   Weber, N. (2015) *Blockchains* in 'Privacy Rights in the Digital Era'. ed. Anglim, C. Grey House Publishing, UK.

2014   Weber, N. and Thomer, A. (2014) *Paratexts and Documentary Practices: Text-mining a Bioinformatics Corpus* in 'Examining Paratextual Theory and its Applications in Digital Culture'. eds. Desrochers, N. and Apollon, D. IGI Global Press, PA.

PEER-REVIEWED PROCEEDINGS

2018   Weber, N. & Yan, A. (2018) *Mining Open Government Data Used in Scientific Research.* Proceedings of the iConference. Sheffield, UK.

Weber, N. & Brown, J. (2018) *Remediating Civic Tech.* Proceedings of the iConference. Sheffield, UK.

Jones, K., Alexander, S., Karcher, S., & Weber, N. (2018) *Addressing friction: FAIR and the case of qualitative data*, Research Data and Preservation Summit. Chicago, IL.

2017   Weber, N. & Yan, A. (2017) *Integrating User Feedback with Open Data Quality Models* Annual Meeting of the Association of Information Science & Technology. Crystal City, VA.

Weber, N. & Barbieri, L. (2017) *Institutional Critique of UAS Data Accessibility and Implications for Environmental Humanities.* Digital Humanities Conference. Montreal, Quebec.

Weber, N. (2017) *Contextual Integrity for Qualitative Data.* Workshop on Digital Privacy at the Digital Humanities Conference. Montreal, Quebec.

Weber, N., Karcher, S., Ostrowski, S., & Ivanov, A. (2017) *Orchestrating Cloud Infrastructures to Manage Sensitive Data.* International Conference for Digital Curation. Edinburgh, Scotland.

Weber, N., Palmer, C., Yan, A. (2017) *Open Data Literacy.* Procedings of the iConference. Wuhan, China.

2015   Weber, N. (2015) *Polycentric Governance in Sociotechnical Systems* Proceedings of the iConference Workshop on Sustainability for Information Communication Technologies. Irvine, CA

Weber, N. (2015) *Towards a Model of Sociotechnical Systems Resilience* Proceedings of the International Association for the Study of the Commons annual meeting. Edmonton, AB

2014   Weber, N., Mayernik, M and Worley, S. (2014) *The metric roots of ICOADS cooperation* Proceedings of the 6th CLIMAR meeting, Asheville, NC.

Weber, N., Worley, S, and Thomer, A. (2014) *The genealogy of ICOADS* Proceedings of the 6th CLIMAR meeting, Asheville, NC.

Thomer, A. and Weber, N (2014) *The Phylogeny of a Dataset* Proceedings of the American Society of Information Science and Technology annual meeting. Seattle, WA.

Weber, N., Mayernik, M and Worley, S. (2014) *A Citation content analysis of ICOADS publications* Proceedings of the 2014 American Meteorological Society, Annual Meeting. Atlanta, GA.

Weber, N. and Palmer, C. (2014) *Extending curation profiles to study enterprise-level data practices.* Proceedings of the 2014 iConference. Berlin, Germany.

Thomer, A. and Weber, N. (2014) *Using named entity recognition as a classification heuristic.* Proceedings of the 2014 iConference. Berlin, Germany.

Weber, N., and Mayernik, M (2014) *A Citation Analysis of "Data Publications" in Earth Systems Science.* Proceedings of the 2014 International Conference of Digital Curation. San Francisco, CA.

Weber, N. and Thomer, A. (2014) *Automating the Classification of Author Contribution Statements.* Proceedings of the 2014 International Conference of Digital Curation. San Francisco, CA.

2013   Weber, N. (2013) *The Cooperative work of developing scientific software: A case study of R.* Proceedings of the 2013 American Geophysical Union (AGU) Winter Meeting. San Francisco, CA.

Palmer C.L., M. S. Mayernik, N. Weber, K. S. Baker, K. Kelly, M. R. Marlino & C. A. Thompson (2013) *Research Problems in Data Curation: Outcomes from the Data Curation Education in Research Centers Program.* Proceedings of the 2013 American Geophysical Union (AGU) Winter Meeting. San Francisco, CA.

Weber, N. (2013) *A Bug's life" Repair work and alignment in cyberinfrastructure development.* Science and Technology Policy Global Consortium Annual Conference. Washington, DC.

Weber, N. (2013) *Quantifying infrastructure: Some Indicators of research impact in a climate science data repository.* Science and Technology Policy Global Consortium Annual Conference. Washington, DC.

Weber, N. (2013). *The tail and the telling: Distribution of NSF funding 2008-2011.* Proceedings of the 8th International Digital Curation Conference. Amsterdam, Netherlands.

Weber, N. and Thomer, A. (2013). *Lead, lag or get out of the index: Macroeconomic indicators of data use.* Proceedings of the 2013 iConference. Fort Worth, TX.

Thomer, A., and Weber, N. (2013). *Dispatches, digests and doodles: Exploring the significant properties of field notebooks.* Proceedings of the 2013 iConference. Fort Worth, TX.

2012   Weber, N., Baker, K., Thomer, A., Chao, T., and Palmer, C. (2012) *Context, value and data use: Domain analysis revisited* Proceedings of the American Society of Information Science and Technology Annual Meeting. Baltimore, MD.

Weber, N. (2012) *Combined Methods, Thick Descriptions: Languages of Collaboration on Github* Proceedings of the American Society of Information Science and Technology Annual Meeting. Baltimore, MD.

Weber, N.(2012) *Rainmakers, Space Mirrors, and Atmospheric Vacuums: A Bibliometric Mapping of Geoengineering Research.* Proceedings of the 2012 iConference. Toronto, Ontario.

2011   Palmer, C., Weber, N., and Cragin, M. (2011). *The analytic potential of scientific data: Understanding re-use value.* Proceedings of the American Society of Information Science and Technology annual meeting. New Orleans, LA.

Weber, N. (2011). *Knowledge infrastructure: The research library's role in information transfer*, University of Tennessee College of Communication and Information 33rd Annual Research Symposium on Science and Technology. Knoxville, TN.

Weber, N. (2011) *Tracking data management plans and cyberinfrastructure development: A case study*, Science and Technology Policy Global Consortium Annual Conference. Washington, DC.

Weber, N., Chao, T. (2011) *A Multidisciplinary analysis of data reuse activities*, Proceedings of the Annual Conference for the International Association for Social Science Information Services and Technology. Vancouver, B.C.

Palmer, C., Weber, N., and Cragin, M. (2011)*Analytic potential of data: Assessing reuse value*, Proceedings of the Joint Conference on Digital Libraries, 2011. Ottawa, Ontario.

Garnett, A., Piwowar, H., Holmberg, K., Priem, J., Pikas, C. K. and Weber, N. (2011) *Shaken and*

stirred: ASIST 2011 attendee reactions to 'Shaking it up: Embracing new methods for publishing, finding, discussing, and measuring our research output.' Proceedings of the American Society of Information Science and Technology Annual Meeting. New Orleans, LA.

Garnett, A., Holmberg, K., Pikas, C. K., Piwowar, H., Priem, J. and Weber, N. (2011) *Shaking it up: Embracing new methods for publishing, finding, discussing, and measuring our research output.* Proceedings of the American Society of Information Science and Technology Annual Meeting. New Orleans, LA.

2010   Weber, N., Piwowar, H., Vision, T. (2010) *Evaluating Data Citation and Sharing Policies in the Environmental Sciences,* Proceedings of the American Society of Information Science and Technology, 2010. Pittsburgh, PA.

Weber, N. (2010) *Which life-cycle? Data curation and records management education,* iConference 2010 proceedings. Urbana-Champaign: University of Illinois.

Enriquez, V., Piwowar, H., Judson, S., Weber, N., Cook, R., Sandusky, R., Vision, T., Wilson, B. (2010) *Data citation in the wild,* Proceedings of the International Digital Curation Conference. Chicago, IL.

INVITED WORKSHOP PARTICIPATION

2017   National Science Foundation, *Cyberinfrastructure Workforce Workshop.* Alexadria, VA. August 14-15, 2017.
University of Pittsburgh, *Data Science in Libraries.* Pittsburgh, PA. May 16-17, 2017.
National Socio-Environmental Synthesis Center (SESYNC), *Qualitative Data Sharing.* Annapolis, Maryland. February 27 - March 1, 2017

2016   International Social Science Conference, *Big Data in Urban Contexts.* Xiamen, China. November, 30 - December 4, 2016.

2015   Renaissance Computing Institute, *Future of Software Citation.* Washington, D.C. January 28-29, 2015.

2014   National Science Foundation, *Early career Earth Scientists.* Washington, D.C. March 18, 2014.

2013   National Center for Ecological Analysis and Synthesis (NCEAS), *Conceptualizing an Institute for Sustainable Earth and Environmental Software.* Santa Barbra, CA. August 13-14, 2013.
California Digital Library, *Shaping a Vision for a Software Institute for Environmental Science.* Oakland, CA. September 10-11, 2013.

Funded Research

2018   National Science Foundation, *Conceptualizing a US Research Software Sustainability Institute (URSSI).* Co-PI

2017   City of Seattle, *Civic User Testing.* PI.
Robert Wood Johnson Foundation, *Accelerating Access: Open Annotation in Research Based on Qualitative Data.* Co-PI.

National Science Foundation,*Qualitative Data Repository, 3.* Co-PI.

2016
Institute for Museum and Library Services, *Open Data Literacy.* Co-PI.
National Science Foundation,*Qualitative Data Repository, 2.* Co-PI.
Mozilla Foundation, *Web Literacy Pilot.* PI.

2013
Deere & Company, *Requirements Engineering for John Deere Data.* Co-PI.

Teaching

ACADEMIC

2017
Instructor, Digital Preservation; University of Washington, Information School
Instructor, Foundations of Data Curation; University of Washington, Information School

2016
Instructor, Digital Preservation; University of Washington, Information School
Instructor, Foundations of Data ; University of Washington, Information School

2015
Instructor, Social Aspects of Information Technology; University of Illinois, Graduate School of Library and Information Science.

2013
Instructor, Foundations of Data Curation; University of Illinois, Graduate School of Library and Information Science.

2012
Co-Instructor, Research Problems in Data Curation (Doctoral seminar); University of Illinois, Graduate School of Library and Information Science.

2011-14
Teaching Assistant, Digital Libraries: Research and Practice; University of Illinois, Graduate School of Library and Information Science.

2010
Instructor, Records & Information Management; University of Illinois, Graduate School of Library and Information Science.

CONTINUING EDUCATION WORKSHOPS

2017
Data for Democracy *Yangoon, Myanmar*
Open Data Literacy *Seattle Public Library*
Data-driven Scholarship *Beijing University*

2016
Data-driven Scholarship *Hong Kong University*

2015
Data Curation Work Shop - Summer 1 session *Beijing Institute of Technology.*
Data Curation Work Shop - Summer 2 session *Dunhuang Academy.*
Data Curation Spring Institute. *Hong Kong University.*

2014
Data Curation for Digital Humanities *Curriculum design and instruction* Oxford University Digital Humanities Summer School.

Service

EDITOR

Journal of Open Humanities Data - *Editor-in-Chief*
Data Science Journal - *Section Editor*

ASIS&T Annual Meeting
Government Information Quarterly
iConference
IGI Global Press (Manuscripts)
International Journal of Digital Libraries
Journal of the Association for Information Science and Technology
Journal of Open Research Software
Journal of Documentation
Library Quarterly
Peer J - Computer Science
PLoS One Journal
Social Science Review
SIG conference on Computer Supported Cooperative Work (CSCW)

Awards

2015   Alfred P. Sloan Foundation. *RDA DataSHARE* Early Career Fellow.
        Alfred P. Sloan Foundation. *FORCE11 - Oxford* Travel award.
2014   Association of Research Libraries *OpenCON* Travel Award.
        National Science Foundation. *iConference Doctoral Colloquium* Travel Award.
        Earth Science Informatics Partners (ESIP). *Software Working Group.* Student Fellow.
        American Meteorological Society (AMS). *R*esearch Travel Fellowship.
2013   National Science Foundation. *AMS Science Policy Colloquium.*
        National Science Foundation. *Climate Expert Witness Training Academy.* William Mitchell College
        of Law, St. Paul, MN. Fellow.
2012   National Center for Atmospheric Research (NCAR). *Advanced Studies Program.* Research Fellow.
        Society of Scholarly Publishing (SSP). *Student Travel Scholarship.*
        Beta Phi Mu. *Harold Lancour Award*
2011   Institute for Museum and Library Services (IMLS). *Data Curation and Education in Research Cen-
        ters*; PhD Fellowship, University of Illinois, Graduate School of Library and Information Science.

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