

Vicky Steeves

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Objective

I work to support researchers in creating well-managed, high quality, and reproducible research through integrating reproducible practices into the research workflow, advocating openness in all facets of scholarship, and building/contributing to open infrastructure.

Education

Simmons College <i>Master of Library & Information Science</i>	Boston, MA 2013 – 2014
Simmons College <i>Bachelor of Science Computer Science & Information Technology</i>	Boston, MA 2010 – 2013

Graduate and Undergraduate Research Experience.....

Supervisor: Kathy Wisser <i>Small World Project</i> Analyzed research done with social media networks on archival material and visualized the analysis using Gephi.	Boston, MA Spring 2014
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Supervisor: Nanette Veilleux <i>Computational Linguistic Approach to Inflection in Human Speech & Difference</i> Recorded speech exemplars and used a specialized programming language (Praat) to write a program to determine the tonal center of gravity of each exemplar and make sure that it matches the intended intonational contour.	Boston, MA 2012 – 2013
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Professional Experience

Simmons College <i>Adjunct Professor</i> I teach database management online for the School of Information and Library Science. Fall 2017 & Spring 2018.	Boston, MA 2017 –
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New York University <i>Librarian for Research Data Management & Reproducibility</i> A dual appointment between NYU's Division of Libraries and Center for Data Science. In this role, I work to support students, faculty, staff, and researchers in creating well-managed, high quality, and reproducible research through facilitating use of tools such as ReproZip, teaching and instruction, and group and individual consultations.	New York, NY 2015 –
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Outreach: Organize events to foster a community of data stewardship and reproducibility at NYU (e.g. NYU Reproducibility Symposium), as well as locally in NYC (e.g.), on a national level (e.g. Love Your Data Week), and an international level (e.g. EGU, URFIST). Redeveloped and maintained the new Data Services blog, Data Dispatch through piloting a new web hosting service for the Digital Scholarship Services called reClaim.

Service Building: Built new services around data management and reproducibility in the Libraries. Serve as a consultant to the NYU community on subjects such as: data management,

reproducible research practices, data management plans for grants, data visualization, data & code citation, publishing non-traditional research output, data cleaning, Python, version control, GitHub & GitLab, data and code licensing, workflow/collaboration tools, and open source tools. Provide multidisciplinary reference services (office hours, email, phone) to the NYU community. Created and maintain a soft incentives program to encourage RDM amongst library patrons, called the Research Data Management Badges, where patrons can accrue points through attending Data Services classes, practicing good data management, and making their research open access to earn a badge.

Technical Development: Coded utilitarian programs for researchers to leverage for data management, including scripts to: bulk rename files, scrape text from RSS feeds, download, unzip, and concatenate many tabular datafiles from NOAA, and create a README for each file. Created and maintain reproduciblescience.org/nyu, a source of information for the NYU community on events, resources, and expertise on campus for reproducibility.

Metropolitan New York Library Council

New York, NY

Interim Program Coordinator

2015 – 2016

I handled the day-to-day operations of METRO's National Digital Stewardship Residency in New York program. I contributed to project planning, communications, documentation, evaluations, outreach, as well as maintained the program's web presence. I planned, organized, and ran NDSR-affiliated events, meetings, and workshops.

American Museum of Natural History

New York, NY

National Digital Stewardship Resident

2014 – 2015

My project at the AMNH consisted of performing an environmental scan of the Science divisions to better understand their data storage, curation, and preservation needs. After data collection, I identified existing practices and policies for integrated data storage, access, and management. After data analysis, I recommended strategies to digitally preserve the scientific research at the AMNH.

Teaching & Instruction

NYU.....

Library Classes: Taught between 25-50 classes per academic year on research data management and reproducibility best practices and tools at Bobst and the Bern Dibner Library.

NSF & NIH Responsible Conduct in Research (RCR): Taught federally mandated RCR data management sessions for the Office of Postdoc Affairs, Anthropology Department, Center for Neural Science, and College of Nursing.

Intensives (half or full day long workshops): Advanced Quantitative Reasoning program, December 2016; Steinhardt Food Studies & Nutrition Summer Workshop, July 2016; Wagner Faculty Workshop, October 2016; Rebecca Amato Humanities Data Workshop, April 2017.

Carpentries: Certified instructor; workshops upcoming (2018). Facilitated NYU membership between Libraries and Center for Data Science.

National Audience.....

Library Information and Technology Association: Taught a one-month course on building library services around openness and reproducibility.

Preservation and Quality Tools: Facilitated a hands-on session at this workshop on ReproZip.

Data And Software Preservation for Open Science: Led multiple hands-on sessions on ReproZip.

Presented to the DASPOS board of directors on NYU's open source reproducibility initiatives.

OpenCon: Guest lectured on reproducibility for the OpenCon early career librarians call.

Metropolitan NY Library Council (METRO): Presented a webinar teaching RDM principles to library and information professionals.

LIS Programs.....

Pratt School of Library and Information Science: Guest lectured in Meg Smith's Data Librarianship class on my career path, RDM, and reproducibility. 2016 & 2017

Palmer School of Library & Information Science: Guest lectured in Don Mennerich's Digital Archives class for the Public History program on RDM. 2016 & 2017

Queen's College Graduate School of Library & Information Science: Guest lectured in Robert DeCandido's digital stewardship class at Queens College on data management, NDSR, and my career path.

Professional Service

New York University.....

The Continuing Contract Faculty Council: Libraries' first Continuing Contract Faculty Senator. Committee work includes:

- Administration & Technology Committee (co-chair, subcommittee)
- Communications Committee (chair)
- Faculty Grievance Committee
- Public Affairs Committee
- Faculty Committee on the Future of Technology-Enhanced Education

Hiring Process: Participated in the hiring process in several capacities for RDM-focused hires on campus, including: Research Data Storage Architect (IT/Division of Libraries) and Research Information Scientist (CUSP).

Research Cloud Services: Closely collaborating to actively planning SB2 services, SB3 design, and SB2-to-SB3 integration. User-facing work, including reaching out to pilot users and being available for questions/help. Other work:

- Member of the Functional Validation Working Group.
- Member of the Architecture/Functional Validation Subgroup.
- Coded a pilot informational website for the RCS project, including UX testing with researchers.
- Wrote user-facing documentation.

Web Archiving Working Group: Participant. Chair: Michael Stoller.

Moore-Sloan Data Science Environment.....

Libraries Working Group: Participate in ongoing collaboration with the two other librarians on the MSDSE, including monthly conference calls and meetups at MSDSE events.

Reproducibility and Open Science Working Group: Participate in ongoing collaboration with ROS working groups at the other institutions on the MSDSE, including monthly conference calls and meetups at MSDSE events. Promote a culture of openness and reproducibility on campus through events, workshops, and resource building.

Profession at Large.....

The LIS Scholarship Archive: Co-director of [LISSA](#), a partnership with the Center for Open Science & the LIS community to build a place for LIS scholars to share their work.

SPARC: Contributor to the SPARC International Survey on Research Data Management Readiness (with Nick Wolf and Scott Collard).

Radian: Editor.

The Idealis: Editor.

CLIR: Participant, 2016 CLIR eResearch Network Research Data Management cohort.

Preservation and Archiving Special Interest Group: Chaired the committee responsible for the reproducibility track of the Fall 2016 conference.

Center for Open Science: Open Science Framework Ambassador. Participant in the 2016 SHARE Curation Associates program.

DLF: Participant in the 2016 eDLF Data Management Cohort.

Data And Software Preservation for Open Science: External organizer for the workshop on containerizing science.

2015 – 2017 Publications

Publications.....

Vicky Steeves and Kelly Johnson. "Research data management among life sciences faculty." *The LIS Scholarship Archive*, 2018. doi:10.17605/OSF.IO/Q36UV.

Vicky Steeves, Rémi Rampin, and Fernando Chirigati. "Using reprozip for reproducibility and library services." *The LIS Scholarship Archive*, 2017. doi:10.17605/OSF.IO/5TM8D. Available at <https://osf.io/preprints/lissa/5tm8d/>.

Vicky Steeves. "Reproducibility Librarianship." *Collaborative Librarianship*, 9(2), jul 2017. ISSN 1943-7528. Available at <http://digitalcommons.du.edu/collaborativelibrarianship/vol9/iss2/4>.

Rémi Rampin, Fernando Chirigati, Vicky Steeves, Dennis Shasha, and Juliana Freire. "ReproZip: The Reproducibility Packer." *The Journal of Open Source Software*, 1(8), dec 2016. doi:10.21105/joss.00107. Available at <http://joss.theoj.org/papers/10.21105/joss.00107>.

Karl-Rainer Blumenthal, Peggy Griesinger, Julia Kim, Shira Peltzman, and Vicky Steeves. "What makes a digital steward: A competency profile based on the National Digital Stewardship Residencies." In "iPres: 13th International Conference on Digital Preservation," 2016. doi:10.17605/OSF.IO/TNMRA. Available at <https://osf.io/preprints/lissa/tmra/>.

Andreas Wolke, Martin Bichler, Fernando Chirigati, and Victoria Steeves. "Reproducible experiments on dynamic resource allocation in cloud data centers." *Information Systems*, 2016. ISSN 0306-4379. doi:10.1016/j.is.2015.12.004. Postprint available at <https://arxiv.org/abs/1703.00042>.

Presentations.....

Vicky Steeves and Rémi Rampin. "Creating reproducible experiments with reprozip." In "SciPy 2017," 2017. Available at <https://vickysteeves.gitlab.io/2017-SciPy/#/>.

Vicky Steeves, Cynthia Hudson-Vitale, and Matt Spitzer. "Open, public goods infrastructure for research management & discovery." In "IASSIST 2017," 2017. doi:10.17605/OSF.IO/SY2ZF. Available at <https://osf.io/sy2zf/>.

Vicky Steeves, Rémi Rampin, and Fernando Chirigati. "Reproducing and preserving research with reprozip." In "IASSIST 2017," 2017. Available at <https://vickysteeves.gitlab.io/2017-IASSIST-ReproZip/>.

Vicky Steeves and Rémi Rampin. "Reprozip for reproducible research." In "PresQT Workshop One," 2017. doi:10.17605/OSF.IO/S6FW9. Available at <https://osf.io/s6fw9/>.

Vicky Steeves, Rémi Rampin, and Daniel Nüst. "Reproducible computational research in the publication cycle." In "European Geosciences Union General Assembly 2017," 2017. doi:10.17605/OSF.IO/UMY6G. Available at <https://osf.io/umy6g/>.

Vicky Steeves. "Open science: Understanding modern research practices." In "Association of College and Research Libraries," 2017. doi:10.17605/osf.io/cyr3n. Available at <https://osf.io/preprints/lissa/cyr3n/>.

Vicky Steeves and Nicholas Wolf. "Using Openness as Foundation for Research Data Management Services." In "Library Information and Technology Association Conference," 2016. Available at <http://forum.lita.org/sessions/using-openness-as-foundation-for-research-data-management-services/>.

Karl-Rainer Blumenthal, Peggy Griesinger, Julia Kim, Shira Peltzman, and Vicky Steeves. "What makes a digital steward: A competency profile based on the National Digital Stewardship Residencies." In "iPres: 13th International Conference on Digital Preservation," 2016. doi:10.17605/OSF.IO/XFC26. Available at <https://osf.io/xfc26/>.

Vicky Steeves and Rémi Rampin. "ReproZip: Reproducibility with Ease." In "DASPOS: Container Strategies for Data & Software Preservation that Promote Open Science," 2016. doi:10.17605/OSF.IO/AQZTF. Available at <https://osf.io/aqztf/>.

Vicky Steeves, Kevin B. Read, and Andrew S. Gordon. "Collaborating to Create a Culture of Data Stewardship." In "Research Data Access and Preservation Summit," 2016. Available at <http://hdl.handle.net/2451/38185>.

Vicky Steeves, Kevin B. Read, and Andrew S. Gordon. "Bridging the Gap: Improving Data Services through Cross-Campus Collaboration." In "University of Massachusetts and New England Area Librarian e-Science Symposium," 2016. Available at http://escholarship.umassmed.edu/escience_symposium/2016/posters/2/.

Vicky Steeves, Jennifer Muilenburg, and Erik Mitchell. "Organizational implications of data science environments in education, research, and research management in libraries." In "Coalition for Networked Information Fall Meeting," 2015. doi:http://doi.org/10.17605/OSF.IO/RHGQ3. Available at <https://osf.io/rhgq3/>.

Code & Media.....

Vicky Steeves. "Database: Women leaders in openness," 2017. doi:10.17605/osf.io/5s2g6. Available at <https://osf.io/preprints/lissa/5s2g6/>.

Vicky Steeves and Rémi Rampin. "Reprozip examples website.", 2017. Available at <https://github.com/ViDA-NYU/reprozip-examples>.

Vicky Steeves and Nicholas Wolf. "Research data management badge.", 2016. Available at <https://osf.io/85bnv>.

Vicky Steeves and Rémi Rampin. "Research applications & python scripts.", 2016. Available at <https://github.com/NYU-DataServices/ManagingData-Python>.

Vicky Steeves and Rémi Rampin. "Reproducibility news feed.", 2015. Available at <https://github.com/ViDA-NYU/reproducibility-news>.

Vicky Steeves, Nicholas Wolf, and Stephen Balogh. "Data dispatch.", Sep 2016. Available at <https://osf.io/4tdms/>.

Vicky Steeves and Rémi Rampin. "Reproducibile science website.", 2017. Available at <https://github.com/ViDA-NYU/reproducible-science>.

Vicky Steeves, Rémi Rampin, and Fernando Chirigati. "Packing and unpacking experiments with reprozip.", Nov 2015. Available at <https://www.youtube.com/watch?v=-zLPuwCHXo0>.

Technical skills

Programming Languages: Python, R, Java, C, C++, Objective C, Perl, PHP, SQL, HTML, CSS, JavaScript, jQuery, AJAX, and Praat

Operating Systems: Ubuntu Linux, Microsoft Windows, Mac OSX

Library Standards: XML, JSON, XSLT, DDI, EAD, DACS, PREMIS, MARC, Dublin Core

Research Interests

I'm interested in integrating reproducible practices into the research workflow through building/contributing to community owned open infrastructure. I want to explore piping research output into digital preservation workflows, taking it from active use to archive.