The Lewis & Ruth Sherman Centre for Digital Scholarship Annual Report

2022-2023

SCDS

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A Message from the Directors

In our last annual report, we concluded our message by looking forward to working closely with our expanded Sherman Centre team. The influx of new team members has enabled us to refine our outreach and communications and rapidly scale our research support services, programming, and activities. Our workshops have grown from 5 in 2015-2016 to 38 in 2022-2023 with 2300 registrants. In addition to the Centre's initial workshop series, Do More with Digital Scholarship, we now boast two additional ones: Data Analysis Support Hub (DASH), which focuses on developing analytical and visualization skills, and Research Data Management, which focuses on data management and stewardship topics.

This report documents the Centre's far-reaching activities from June 1, 2022 to May 31, 2023. The past 12 months saw the Centre expand its existing services to better meet the diverse and changing needs of the McMaster research community, as well as develop and launch new research support services (Data Visualization, Research Impact) that address areas of growing demand. Members of the SCDS team were also central to broader, campus-wide research support initiatives, including the development of McMaster's inaugural Research Data Management Institutional Strategy, and the collaborative and silo-breaking Digital Research Commons Pilot. We continued to innovate in teaching and learning through instructional collaborations, guest lectures, and teaching at the undergraduate and graduate levels. We trained thousands of established and emerging scholars and professionals through our hands-on workshops and special events and through the development and sharing of multifaceted open learning resources.

Over the next year, we will advance training by further developing innovative models for transforming workshop contents into Open Education Resources that can easily be integrated into teaching or used for self-guided learning. We will continue to nurture community-based collaborations and partnerships by strengthening existing relationships while thoughtfully forging new connections as we further develop community-engaged programming and services.

We also see new avenues for the Sherman Centre as we build on our existing activities. Notably, the Centre can lead in Artificial Intelligence readiness for research. The rapid advancement and take-up of generative AI has garnered significant interest and attention for its potential to disrupt post-secondary education. As the sector grapples with AI's potential to enhance teaching and learning, while assessing the challenges associated with its use, we need parallel conversations about the possibilities for AI to augment research while appraising the ethical implications of these opaque systems. We see an opportunity to support the development of our campus's AI readiness for research through unique programming and training to navigate AI in research over the longer term.

As we set our goals for the next year and the next decade of the Sherman Centre, we find ourselves continually returning to our founding objective: to be a "campus-wide resource that fosters library/faculty collaboration in interdisciplinary digital research and scholarship" by "providing infrastructure, expertise, and opportunities for collaboration." By embodying these principles and leveraging our successes, we will continue to strive to be at the forefront of digital scholarship. Looking ahead, we are ready and excited to cement the Sherman Centre's reputation for accelerating innovation, developing breakthrough services, and stimulating cutting-edge scholarship.

1. Summary of Activities

The last year marked a period of tremendous growth and activity in the Sherman Centre. We successfully coordinated a wide variety of events including three workshop series and a popular interdisciplinary lecture series, along with launching major initiatives such as the RDM Institutional Strategy and the Digital Research Commons Pilot. We maintained educational offerings including the annual undergraduate course and the graduate residency; we also enhanced workshop programming by revamping the Centre's certificate program to recognize and incentivize participation and by overhauling and developing our collection of Online Learning modules. SCDS staff also amplified community engagement activities by working with a local organization to provide specialized data science training for marginalized groups.

We were pleased to formalize our relationship with 3 new SCDS Affiliates: Saman Goudarzi (Cartographic Resources Librarian, McMaster University Library), Tim Ribaric (Digital Scholarship Librarian, Brock University), and Leeanne Romane (Graduate Studies Librarian, McMaster University Library). We also welcomed 2 new research assistants: Alexis-Carlota Cochrane and Natasha Malik, both graduate students in the Communication Studies department.

Over this past year, we expanded our event offerings by successfully launching the "DS Bytes" lecture series, which introduced attendees to cutting-edge issues in AI, technology, and society. We engaged the Research Data Management community on campus with 10 workshops and a monthly Community of Practice. The Do More with Digital Scholarship (DMDS) Series hosted 10 sessions, while the Data Analysis Support Hub's popular and multi-faceted programming reached campus through a consultation service and 18 workshops, 5 of which encompassed the Hub's first community collaboration.

Finally, we welcomed 9 graduate students to our Graduate Residency in Digital Scholarship.

This report outlines the Centre's notable achievements over the past year. Though it is not an exhaustive list of our work, we hope that it demonstrates the breadth and nature of the Sherman Centre's activities and impact.

2022-2023 SCDS Highlights

All percentage increases are in comparison to figures from 2021-22.

Workshops
- 38 workshops delivered
- 24 new workshops
- 70 hours of presentations
- 2300 registrants
- 17% increase in registration

Learning Resources
- 45 new e-resources
- 91 total e-resources
- 16,700 views from 6,600 users (160% increase in views, 312% increase in users)

Communications
- 1400+ mailing list audience
- Newsletter regularly read by audience of 700+
- 75% increase in both figures
- 14 articles about SCDS by outlets including *McMaster News* and *The Spectator*

Teaching
- 40 instructional collaborations (150% increase)
- 71 hours of presentations (200% increase)
- 685 students reached

Research Support
- 810 research consultations
- 20% increase in number of consultations
- 486 hours devoted to supporting research

Special Events
- 11 special events
- 850 registrants
- 3 major conferences supported

Community
- 9 new Graduate Residents
- 6 Student Employees
- 3 new SCDS Affiliates
- 2 new Research Assistants

Resources
- 250+ open-access data tables on the Hamilton Data Community Portal
- 13,000 inventoried air photos
- 255 ArcGIS licenses distributed
- 8 open-access publications

2. STAFFING, GOVERNANCE, and MEMBERSHIP UPDATES

2.1 SCDS Staff

Learn more on the "Our Team" page.

† indicates incoming and * indicates outgoing for June 1, 2022 to May 31, 2023.

- Dr. Andrea Zeffiro, Academic Director
- Dr. Jay Brodeur, Administrative Director
- Jeffrey Demaine, Bibliometrics and Research Impact Librarian
- † Danica Evering, Research Data Management Specialist
- John Fink, Digital Scholarship Librarian
- Christine Homuth, Spatial Information Specialist
- Vivek Jadon, Data Specialist
- Dr. Veronica Litt, Digital Scholarship Coordinator
- * Dr. Amanda Montague, Postdoctoral Fellow (term completed August 2022)
- Dr. Isaac Pratt, Research Data Management Specialist
- Subhanya Sivajothy, Data Analysis and Visualization Librarian

2.2 Expanding Digital Research Support at McMaster

Learn more with McMaster Library News articles on the [Digital Research Commons Pilot](#) and the [Research Software Development Team](#).

The Sherman Centre and the University Library continue to play a central and expanding role in developing services, systems, and resources that support and improve research at McMaster. The past year has seen the introduction of new staff and initiatives that further McMaster's research mission; the Sherman Centre has supported these endeavors by contributing directly to project teams and by providing an administrative home to many of the newly hired staff.

The **Digital Research Commons Pilot (DRCP)** is a three-year initiative to build a more connected, capable, and researcher-focused approach to digital research support at McMaster. The Provost-funded project, which is co-sponsored by the Office of the Vice President Research, the University Library, and the Office of the Associate Vice President and Chief Technology Officer, brings together the three co-sponsoring units with a shared mission of building into and around existing digital research support on campus to improve researcher access to systems, services, software, and training across the institution. SCDS members and services are amongst those contributing to the project, with Isaac Pratt and Danica Evering providing Research Data Management (RDM) services, Jeff Demaine collaborating to provide Research Impact services, and Jay Brodeur serving as a DRCP co-lead.

Over the course of 2022-2023, the University Library and the Sherman Centre welcomed several new staff members to help support the DRCP's expansive mandate. **Angela Di Nello** assumed the role of Senior Manager, DRCP in early 2023 through a secondment from Research and High Performance Computing Support (RHPCS). In her role, Angela oversees DRCP implementation and operations, while also contributing significantly to the strategic direction of the initiative with her fellow co-leads. **Matthew Burns** and **Ratika Sharma** also joined the core DRCP team in early 2023 as Digital Research Technology Analyst and Digital Research Systems Analyst, respectively. Matthew and Ratika work closely with Angela to build and maintain the coordination, engagement, information collection, and operational functions of the DRCP. Angela, Matthew, and Ratika participate in regular SCDS operations and team meetings to ensure that they are fully supported in their work and that the DRCP and SCDS are closely coordinated.

Early 2023 also saw McMaster's Research Software Development Team (RSDT) move to an administrative home in the University Library as part of their reassignment to the DRCP. Team Lead **Dave Beardwood** and Developers **Kelvin Lee**, **Elias Eid**, and **Ola Hejazi** are situated in the Sherman Centre and collaborate closely with SCDS colleagues as they continue to develop services, resources, training, and strategy that help meet the growing and evolving research development needs of McMaster researchers.

The Centre also greeted new colleagues in the adjacent [McMaster Experts](#) service—a Library-supported initiative that collects, curates, and shares information about McMaster's researchers, their expertise, scholarly works, and activities. Between late 2022 and early 2023, the team welcomed **Jacob Sloots** (Developer) and **Sabrina Kirby** (Research Systems Analyst); both work closely with Jay Brodeur, Jeff Demaine and Library Senior Systems Administrator Rob Mathers to improve Experts' utility and value for users within and beyond the institution.

2.3 Postdoctoral Fellow

Dr. Amanda Montague ended her term with SCDS in August 2022. In January 2023, we advertised for a postdoctoral position focusing on critical and intersectional approaches to data security, privacy, and surveillance. Dr. Chelsea Miya will join us in August 2023. In this role, Dr. Miya will co-lead the creation of in-demand training and the development of new programming in these areas.

2.4 SCDS Affiliates

Learn more on the "Our Team" page.

The Affiliates program recognizes the substantial contributions of Sherman Centre collaborators, which includes consulting with patrons on research and teaching projects, facilitating workshops, and moderating lectures. Active Affiliates and their contributions are profiled below.

† indicates incoming and * indicates outgoing for June 1, 2022 to May 31, 2023.

- **† Saman Goudarzi**, Cartographic Resources Librarian, McMaster University Library
- **Myron Groover**, Archives and Rare Books Librarian, McMaster University Library
- **Katie Harding**, Learning Support Librarian, Faculty of Engineering (on leave from 2022-2023)
- ***Krista Jamieson**, Digitization Services Manager, McMaster University Library
- **Gabriela Mircea**, Digital Repositories Librarian, McMaster University Library (on leave from 2022-2023)
- **Devon Mordell**, Educational Developer, Paul R. MacPherson Institute
- **† Tim Ribaric**, Digital Scholarship Librarian, Brock University Library
- **† Leeanne Romane**, Graduate Studies Librarian, McMaster University Library
- **Abeer Siddiqui**, Learning Support Librarian, School of Interdisciplinary Science
- ***Elaine Westenhoefer**, Digital Media Specialist, Lyons New Media Centre

Saman Goudarzi works at the intersection of information science and critical geography. She's interested in the ways that community-owned and -governed infrastructure can contribute to equitable knowledge systems. Currently, Saman takes care of McMaster's Lloyd Reeds Map Collection, ensuring community members are able to access, understand, and use the collection for teaching and research. Saman presented at "How to Lie with Data" and collaborated with Dr. Veronica Litt on an in-class session on maps as data in HUM2DH3.

Myron Groover is the Library's Archives and Rare Books Librarian. He focuses on collection development and teaching in archives and book history. Myron's teaching practise seeks to facilitate direct student engagement with special collections materials as interstices of memory, labour, material culture, and shared meaning-making. In the time covered by this report, Myron supported the multiple McMaster staff, instructors, and students in using Omeka S to bring digital exhibits to life.

Devon Mordell is an Educational Developer at the MacPherson Institute. She draws on her experience in media art, hobbyist programming and instructional design to teach workshops on critical digital humanities. Devon co-facilitated "Computational Approaches for Text Preparation and Analysis" and created tutorials on pre-processing digitized texts and Named Entity Recognition.

Tim Ribaric holds a Masters of Computer Science and is presently working on his PhD in the Educational Studies program at Brock University. His work encompasses many different areas of digital scholarship including the teaching of programming languages but he focuses on social media and text analysis. He is also a certified Carpentries Instructor and past member of the Carpentries Advisory Committee. SCDS is working with Tim on a collaborative event for the 2023-24 workshop series.

Leeanne Romane supports STEM, SocSci, and Humanities graduate students with their advanced library research needs: teaching and helping them develop research questions and search strategies, assists their systematic review processes, and provides workshops on topics relevant to research and learning. SCDS is working with Leeanne to develop DS programming specifically suited to McMaster's graduate students.

Abeer Siddiqui is a Learning Support Librarian and Adjunct Lecturer in the School of Interdisciplinary Science. She advocates for effective science communication through storytelling as a way of building trust and creating conversations within our communities about topics related to science and health. This year, Abeer moderated an event in the DS Bytes series: "The Value of Visuals in Science Communication."

2.5 Advisory Committee

Learn more on the "Advisory Committee" page.

The Sherman Centre's Advisory Committee was established in 2015 to provide advice to the Co-Directors on scholarly priorities and pedagogical commitments of the Centre. We hold two Advisory Committee meetings each year. The membership of the committee evolves with the Centre as new pathways and partnerships are established on campus and beyond. In 2022, two committee members completed their terms (Antoine Deza and Ayesha Khan).

This interdisciplinary group of DS scholars, practitioners, and artists support the continual evolution and development of the Sherman Centre.

2022 – 2023 SCDS Advisory Committee
* indicates outgoing for June 1, 2022 to May 31, 2023.

- Dr. Karen Balcom, Associate Professor, Department of History, Faculty of Humanities; Academic Co-Director for Teaching and Learning, Office of Community Engagement
- John Bell, Director, Humanities Media Computing, Faculty of Humanities
- * Dr. Antoine Deza, Professor, Computing and Software, Faculty of Engineering; Associate Director of the MacDATA Institute; Fellow of the Fields Institute
- Dr. Stephen Kelly, Assistant Professor, Computing and Software, Faculty of Engineering
- Dr. Kim Martin, Assistant Professor, Department of History and Associate Director, THINC Lab, University of Guelph
- Dr. Ian Milligan, Associate Vice-President, Research Oversight and Analysis and Professor, Department of History, University of Waterloo
- Devon Mordell, Educational Developer, Paul R. MacPherson Institute for Leadership, Innovation and Excellence in Teaching
- Chris Myhr, Associate Professor, Department of Communication Studies and Media Arts, Faculty of Humanities
- Dr. Ranil Sonnadara, Special Advisor to the Vice-President (Research); Director, Education Science and Associate Professor, Department of Surgery; CEO, Compute Ontario
- Allison Van, Executive Director, Spark: A Centre for Social Research Innovation
- Dr. Manaf Zargoush, Assistant Professor, Health and Policy Management, DeGroote School of Business

3. Research Support

3.1 Grants and In-Kind Support

Awarded
MarkIt! Student Metadata Program.
Scholars Portal Grant Recipient: Vivek Jadon. Received: $7,200.

The MarkIt! Program is an initiative from Scholars Portal that supports the hiring of student employees contributing to data entry on large dataset projects that use odesi, a tool that enhances access to statistical data. Data Specialist Vivek Jadon hired undergraduate student Smruti Naik to support this initiative.

3.2 Research Consultations

Learn more on our "Book a Research Consultation" page.

As part of its core mission, the Sherman Centre consults regularly with faculty, research staff, and graduate and undergraduate students on a wide range of topics related to (and beyond) digital scholarship. From June 1, 2022 to May 31, 2023, Sherman Centre staff contributed a total of **486 hours in support of 810 unique research consultations** on aspects of scholarship that included project ideation, data collection and management, research methodologies, analytical approaches, and research software. This marks a **20% increase** in the number of research consultations compared to 2021-2022.

Project Spotlight: "Community Reporting Hate & Resources Platform"

What does a SCDS research consultation result in? Here's one example.

Launched in May 2023, the "Community Reporting Hate & Resources Platform" aims to capture more accurate data about discrimination in the city. Between 2020-2022, SCDS consulted on the project, collaboratively created a job posting for the project's developer, and contributed to the hiring committee, which resulted in the hiring of Attaf Ahtisham. Under the leadership of Kojo Damptey (PhD Candidate, Cultural Studies and Critical Theory) and Dr. Ameil Joseph (Associate Professor, Social Work), the Community Reporting Hate & Resources Platform offers Hamiltonians a way to report hate incidents and receive support without involving the police.

Watch CHCH coverage of the platform's launch and visit the Community Reporting Hate & Resources Platform.

3.3 Data Analysis Consultations

The successful and popular Data Analysis Support Hub encompasses many workshops (see section 5.3), consolidates user-friendly online tutorials on software including Python, Excel, R, SAS, and SPSS, and runs a weekly consultation service. DASH's ability to consult with researchers at any phase of their project's development has become a mainstay for people across and beyond campus who are eager to connect with the DASH program co-leads—Christine Homuth, Vivek Jadon, and Subhanya Sivajothy—and receive instruction and advice on all aspects of data analysis.

In the time covered by this report, DASH held **71 distinct consultations** with McMaster staff, graduate students, undergraduate students, and faculty, as well as members of the Hamilton community. These clients formed a broad interdisciplinary audience, hailing from a wide variety of fields including health sciences and natural sciences. **These consultations took a cumulative 45 hours of contact time and 15 hours of preparation.**

DASH consultations answered a wide range of questions including:
- How to build a prediction model for job performance based on interviews
- Using statistical analyses to evaluate how science students perceive AI
- Sharing linked data files so multiple Excel users can update the dataset
- How to analyze a small dataset with appropriate tests
- Exploring outliers and understanding their impact on data
- Building a map that visualizes trial study outcomes

DASH Support Assistants are also integral to its high standard of programming. Hired from the McMaster student body, DASH Support Assistants provide frontline consultation and guidance to DASH patrons. Under the supervision of DASH co-leads, this year's Support Assistants Maya Flannery, Shaila Jamal, and Isaac Kinley gained valuable experiences by running multiple workshops, hosting regular consultations, and spearheading DASH's first community collaboration (see 5.3).

3.4 Resource Development

SCDS staff create and maintain valuable physical and digital resources for researchers that involve data, digital maps, and rare materials. Learn about three research resources developed during the past year.

Hamilton Community Data Portal

Data Specialist Vivek Jadon recently released a major open-access project in the form of the Hamilton Community Data Portal. This resource compiles hard-to-find data related to Hamilton and makes it available to a public audience. Researchers and community members can now access **250+ downloadable tables of historical and up-to-date data** on topics including Population & Demographics, Society & Community, and Environment. As the

homepage says, the data is "Curated and catalogued to suit YOUR needs." The project launched in September 2022.
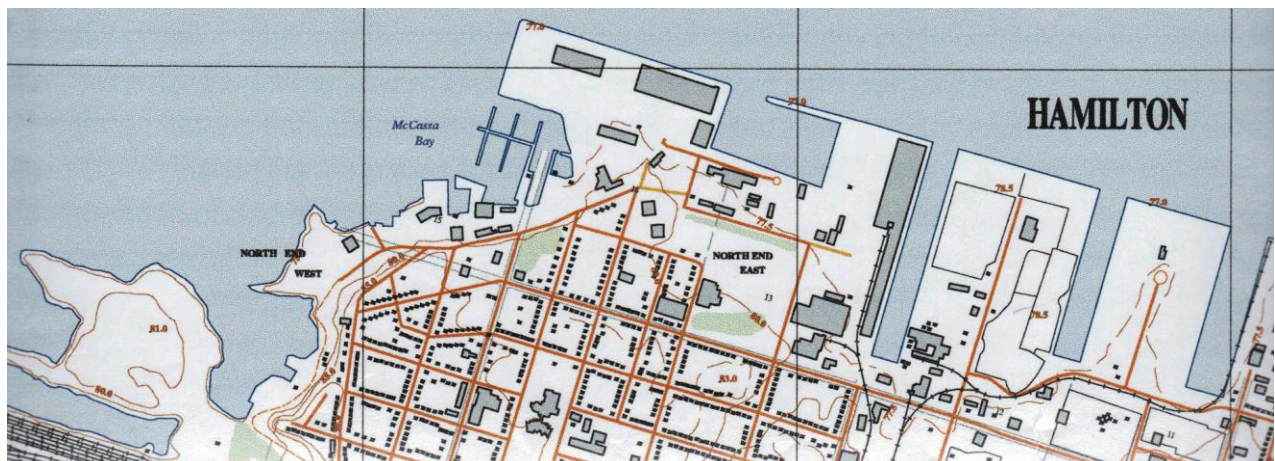
Scanner Station

In Summer 2022, the Sherman Centre also provided resources for Dr. Chandrima Chakraborty's (English and Cultural Studies, McMaster University) project on the 1985 Air India Bombing. Working alongside Dr. Chakraborty and her student assistant Jil Shah, DS Coordinator Veronica Litt managed the prolonged use of the Sherman Centre's scanning facilities, which allowed the scholars to **digitize and archive rare materials** associated with the project. In the latter half of the summer, the Sherman Centre also hosted a film crew who recorded the digitization process for an upcoming documentary on the Air India Bombing.

Inventorying the Lloyd Reeds Map Collection

Thanks to the hard work of Christine Homuth (Spatial Information Specialist) and her student assistants, with support from Saman Goudarzi, the Lloyd Reeds Map Collection federal A series air photos have now been inventoried. This daunting initiative saw Christine and her collaborators inventory almost 13,000 photos as part of the OCUL Geo Community's Air Photo Working Group. With the completion of this task, the OCUL (Ontario Council of University Libraries) Geo Community now has documentation of McMaster's impressive collection of air photos.

3.5 Research Data Management Services at McMaster

Data are valuable research outputs; their good management enables new and innovative scholarship and supports transparency and reproducibility. McMaster's RDM Services, co-led by Specialists Danica Evering and Isaac Pratt, supports our researchers in producing the highest quality research, meeting disciplinary and funder expectations, and leading the adoption and development of RDM best practices.

McMaster's RDM Specialists create resources, host consultations, organize events, and write major institutional documents. Learn more about 2022-2023 in RDM below.

Community of Practice

Launched in late 2022, the Research Data Management Community of Practice meets monthly to learn across all levels of RDM expertise. Sessions begin with a 30-minute guest presentation followed by a collaborative roundtable discussion.

Guests and topics include Dr. Lawrence Grierson (Associate Professor, Family Medicine) on RDM in Medical Education Research, Dr. Antonio Paez (Professor, Earth, Environment and Society) on the Reproducible Research Workflow, Spark: A Centre for Social Research on the Data Champions project and RDM for social sciences more broadly, Dr. Claudia Emerson (Director, Institute on Ethics & Policy for Innovation) on data ethics and governance, and most recently Arun Keepanasseril (Project Manager, Canadian Bleeding Disorder Registry) on sensitive healthcare data.

The Future of RDM at McMaster

As RDM becomes an established service on the McMaster campus, Danica and Isaac are primed to support researchers' data management needs.

Alongside in-demand webinars and lab visits to the Department of Biochemistry and Biomedical Science, Pediatrics, Biology, and the Trauma Recovery Lab, Danica and Isaac are also collaborating with the School of Graduate Studies to develop an asynchronous RDM introductory course for graduate students at the university. This course will provide all graduate students with a solid grounding in RDM Best Practices, encouraging emerging researchers to properly manage and store their data.

The Specialists are also working with the Health Sciences Library's BHSc Praxis Pathways course. By being included in this course, RDM will find a new audience in undergraduate researchers at McMaster.

Finally, Danica and Isaac are currently developing a DMP Exemplar Database. This valuable initiative will provide researchers with seamless access to 50+ data management plan exemplars. The database will be tagged so that users can quickly find templates appropriate to their specific disciplines and grant applications.

Project Spotlight: McMaster's Inaugural Research Data Management Institutional Strategy

Spearheaded by Danica Evering, Isaac Pratt, and Jay Brodeur in collaboration with the broader Research Data Management Institutional Strategy Working Group, McMaster's inaugural RDM Institutional Strategy is a polished document that provides a comprehensive framework for RDM services and priorities at the university.

Developing the Strategy was a detailed, consultative process. Over 2022-2023, the team engaged in a wide variety of information collection, outreach, and networking activities, including **33 roadshow presentations** and meetings with **50 McMaster faculties and departments.** At these events, Evering and Pratt shared the draft strategy and solicited feedback, as well as making valuable connections with chairs and research coordinators. The RDM Specialists also conducted focus groups on Sensitive Data, High-Performance Computing, Qualitative Data, Indigenous Data, and Research Creation, and organized a Town Hall event where all members of the McMaster community were invited to share their thoughts on the draft strategy. The team continuously incorporated feedback, which was regularly reviewed and revised by the Working Group, which included Andrea Zeffiro and SCDS Advisory Committee members Ranil Sonnadara and Manaf Zargoush.

In Winter 2023, the strategy was finalized and reformatted into an entirely accessible, high-quality document by New Media Specialist Kelly Penfold. As Jay Brodeur noted in an article celebrating the launch, "Through this strategy, we've set a course for building the resources, services, and community that support good RDM practices to the benefit of researchers, scholarly and global communities.

RDM Strategy: Phases of Engagement

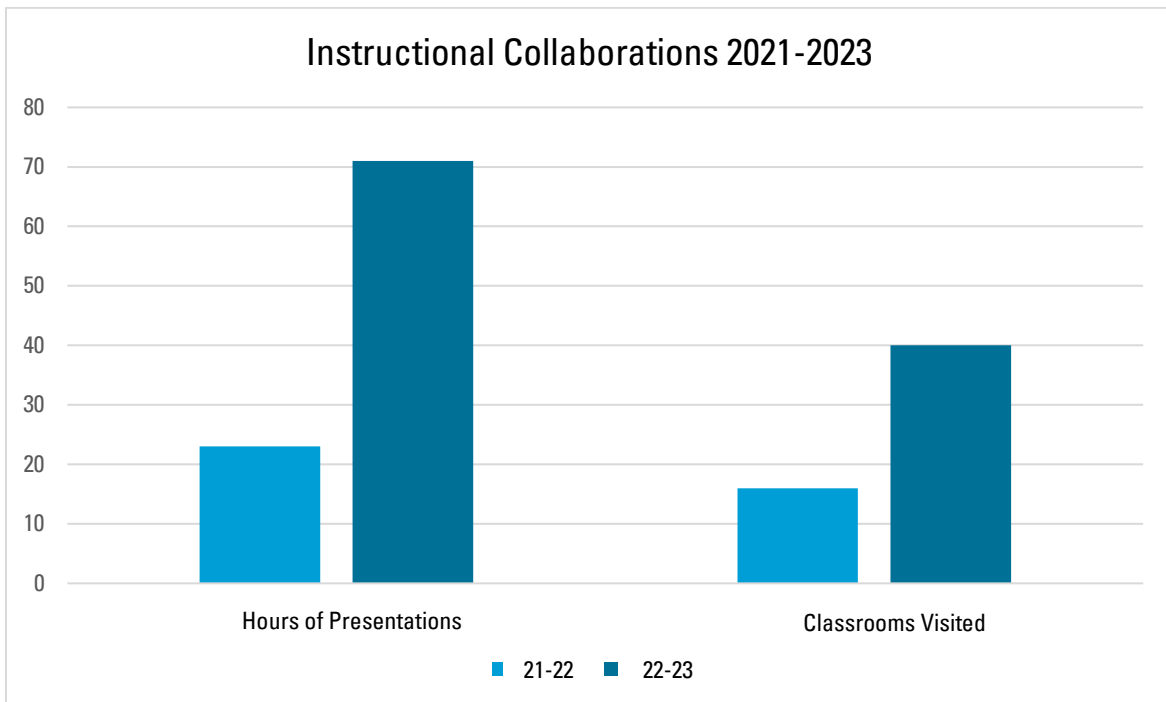| 2021 Initial Planning | 2022 Spring Outreach + Engagement | 2022 Summer Information synthesis | 2022 Summer Initial Feedback | 2022 Summer Strategy Development | 2022 Fall Strategy Feedback | 2023 Winter Final Edits + Review |

4. Curriculum Development & Instructional Support

In addition to offering courses and workshops that introduce students to Digital Humanities, Sherman Centre staff consult regularly with instructors seeking to integrate Digital Scholarship concepts and activities into their graduate courses. In the last year, the Sherman Centre facilitated 40 in-class sessions and offered the annual Introduction to Digital Scholarship undergraduate course.

4.1 Instructional Collaboration

Learn more on the "Request a Class Visit" webpage.

2022-2023 saw a remarkable increase in the number of instructional collaborations and guest sessions led by SCDS staff. Over the time covered by this report, Sherman Centre staff visited a total of **40 McMaster classrooms**, graduate societies, and research showcases. **These presentations and demos reached 685 people and comprised 71 hours delivering digital scholarship material to campus**. This marks a **150% increase in number of sessions** and a **208% increase in hours of presentations** compared to our last report.

Instructional Collaborations 2021-2023

Summer 2022

Course/Organization Requesting Instructional Assistance	Description of Collaboration	SCDS Staff Involved
ECS 799: Public Humanities (S. Orpana)	Lecture on digital storytelling	A. Montague
McMaster University Library (L. Romane)	Training session on bibliometrics.	J. Demaine
MPP 706: Public Policy (A. Leanage)	Lecture on data analysis	V. Jadon
Research Data Centre Showcase (P. Kitchen)	Lecture on data analysis	V. Jadon

Fall 2022

Course/Organization Requesting Instructional Assistance	Description of Collaboration	SCDS Staff Involved
Clarivate and McMaster Library (J. Demaine, L. Romane, & M. Ruccolo)	Workshop on Dataverse	D. Evering
Clarivate and McMaster Library (L. Romane & M. Ruccolo)	Workshop on Web of Science.	J. Demaine
Clarivate and McMaster Library (L. Romane & M. Ruccolo)	Presentation on InCites	J. Demaine
CMSTMM 700: Research Methods (P. Gardner)	Presentation and workshop on social media research	D. Evering, J. Fink, I. Pratt, S. Sivajothy, A. Zeffiro
Faculty of Medicine – Life Sciences Workshop Event (N. Arora)	Workshop on data visualization	S. Sivajothy
GEOG 713: Research Design in Human Geography (A. Williams)	Presentation on GIS	C. Homuth
Department of Global Health (V. Antonipillai)	Presentation on RDM	I. Pratt
GLOBALST 718: Global Actors Beyond the State (O. Skarlato)	Presentation on RDM	I. Pratt
HLTH AGE 716: Quantitative Research Methods in Studies of Health and Aging (M. Grignon)	Presentation on RDM	I. Pratt
Library Resources - Graduate Student Association (L. Romane)	Presentation on RDM	D. Evering
Master of Public Health and Health Research Methods Programs (O. Awolusi)	Presentation on GIS and geospatial data	C. Homuth
MBA D700: Case Analysis (M. Head)	Lecture on data analysis	V. Jadon
McMaster Research Ethics Board	Presentation on RDM	I. Pratt
McMaster University Library Series for Grad Students "Mingle with the Library Experts" (L. Romane)	Presentations on Bibliometrics, RDM, and GIS	J. Demaine, D. Evering, C. Homuth
POLSCI 796: Research Design and Methods (N. Andrews)	Presentation on RDM	I. Pratt
School of Earth, Environment, and Society - GIS Day (P. DeLuca)	Presentation on GIS	C. Homuth
Soc Work 739: Critical Approaches to Social Work Knowledge and Research Methods (J. Ma)	Lecture on data analysis	V. Jadon
Soc Work 739: Critical Approaches to Social Work Knowledge and Research Methods (J. Ma)	Lecture on RDM	I. Pratt

Winter 2023

Course/Organization Requesting Instructional Assistance	Description of Collaboration	SCDS Staff Involved
Biochemistry and Biological Sciences Seminar Series (D. Sloboda)	Presentation on RDM and ORCiD	D. Evering
Business C740: Interdisciplinary Perspectives on Health Care Marketing (M. Hupfner)	Presentation on GIS	C. Homuth
CMST CMM 720 Data Cultures (A. Zeffiro)	Discussion of maintenance	D. Evering, V. Litt, S. Sivajothy
ECS 799 Public Humanities (S. Giroux)	Discussion on public humanities and digital scholarship	J. Brodeur, D. Evering, J. Fink, C. Homuth, V. Litt, A. Zeffiro
Engineering Graduate Society	Workshop on LaTeX	J. Fink
Family Medicine Research Knowledge and Skill Builder Event Series (A. Hafid)	Presentation on RDM	D. Evering
GLOBHTH 702: Global Health Foundations II (C. Gombay)	Presentation on data visualization	S. Sivajothy
GSJ 702: Knowledge in Action (K. Balcom)	Community-based workshop on design justice project ideation	J. Brodeur, A. Zeffiro
HUM2DH3 Introduction to Digital Scholarship (V. Litt)	Presentation on textual analysis and demo of Voyant Tools	S. Sivajothy
HUM2DH3 Introduction to Digital Scholarship (V. Litt)	Presentation on GIS and digital mapping; demo of GoogleMaps	C. Homuth
IBH 4AB6: Social Entrepreneurship Capstone (E. Scherzinger)	Presentation on data visualization	S. Sivajothy
Innovate 1Z03 Artificial Intelligence – Innovative Technologies (K. White)	Presentation and workshop on AI and human-centric approaches to data security	J. Brodeur, A. Zeffiro
MSc Global Health (A. Zvric)	Presentations on GIS and RDM	D. Evering, C. Homuth
Pediatrics Research Roundtable (L. Akrong)	Presentation on RDM	D. Evering
SOC743: Historical Methods (V. Satzewich)	3 presentations on data analysis	V. Jadon
SOC Work 772: Qualitative Research Methods (C. Sinding)	Presentation on RDM	D. Evering

Project Spotlight: Community-Based Design Justice Workshop with Dr. Karen Balcom

In Winter 2023, Jay Brodeur and Andrea Zeffiro co-led an interactive, community-engaged session for Dr. Balcom's class "Knowledge in Action." Bringing together community members, students, and YWCA staff, the goal of this visit was to facilitate a discussion about community archives in the YWCA's in-development project, "The Feminist Playbook." This document provides a guide for employees and volunteers supporting YWCA clients. The Design Justice workshop provided a place to think more broadly about the project as a whole: How should products of this research partnership be archived? What information should the group collect and why? Who is this for? And, the foundational question: how can we integrate justice into the design of this archive? Through group work, brainstorming (including a Miro board activity pictured on the left), and discussion, this activity provided a structured opportunity for the group to think through the project's potential barriers and overall goals.
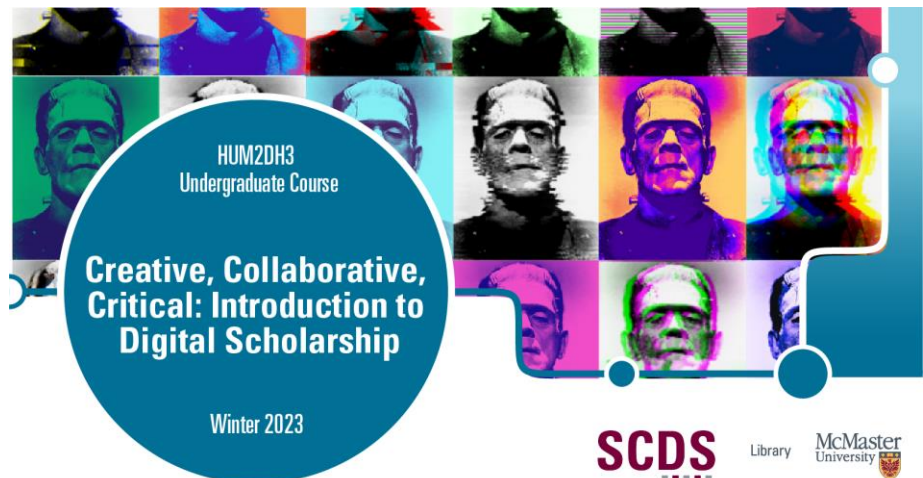
4.2 Course Offered

Project Spotlight: HUMAN 2DH3: Introduction to Digital Scholarship (Winter 2023)

Learn more on the 2DH3 webpage.

In the Winter 2023 session of HUM2DH3 "Creative, Collaborative, Critical: Introduction to Digital Scholarship", Dr. Veronica Litt introduced 33 undergraduate students to the multi-faceted and energetic field of Digital Scholarship through two key questions. First, how does technology change the way we see classic works of literature? Second, how does scholarly analysis change the way we see technology?

The interdisciplinary course saw students consider these questions through Mary Shelley's Frankenstein (1818), a classic novel about humanity and technology. Over 14 weeks, students read and discussed the novel, contrasting close readings with insights gleaned from digital tools including the text analysis platform Voyant Tools and the Google Maps digital mapping tool. The class's two major projects saw students creatively engage with Frankenstein and, more broadly, stories of tech run amok.

Students worked in groups and used Twine Games to create Choose-Your-Own-Adventure video games that retold the novel or imagined alternative possibilities for the story, engaging with themes including privilege, power, and gender.

The final assignment saw the class work in pairs to create The Cyber Cinema Podcast, a public scholarship project where students analyzed films and television shows about technology such as *After Yang, Black Mirror, Minority Report,* and more.

By the end of the course, students had gained valuable hands-on experience with a variety of digital tools including mapping software, a computational text analysis platform, and audio editing software. The assignments also honed students' collaborative skills and project management capabilities.

Course evaluations demonstrated 2DH3's success with students giving their overall learning experience an average rating of 9/10. Students particularly praised the professor's passion for the material, which resulted in engaging lectures, interesting activities, and encouraging classroom environment.
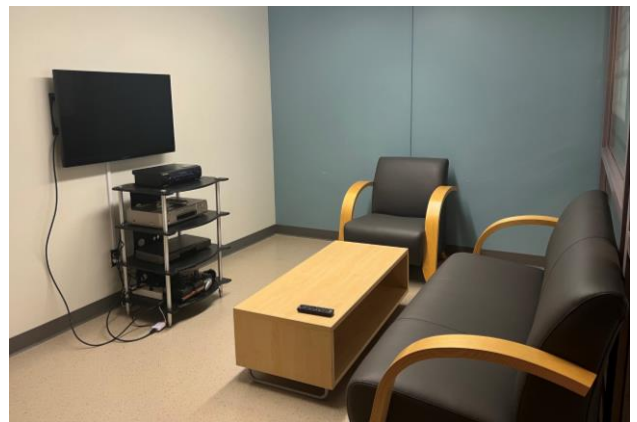
4.3 Teaching Resource Development

ArcGIS Access: Christine Homuth (Spatial Information Specialist) is an influential advocate for ArcGIS on campus. ArcGIS software enables users to build dynamic, interactive, digital maps. In the time covered by this report, Christine distributed 255 individual licenses for ArcGIS accounts at McMaster.

Omeka S: After launching Omeka S in 2021, the digital exhibit platform has been enthusiastically embraced by the McMaster community. Supported by Jay Brodeur and Myron Groover, teachers in the Humanities are integrating the platform into major assignments and encouraging students to develop their digital storytelling skills. History 2PP3, co-taught by Karen Balcom (Associate Professor of History) and Myron Groover (Archives and Rare Books Librarian), gives undergraduate students hands-on experience with archival collections. As their final project, students created public history exhibits on Omeka, focusing on topics such as cooking during wartime rationing and work on international relations by Canadian journalist Judith Robinson.

StoryMaps: Christine Homuth also oversees the dissemination of StoryMaps, a popular platform for creating streamlined digital exhibits. The Faculty of Engineering in particular uses StoryMaps for MacChangers, a co-curricular experiential learning opportunity where students propose collaborative solutions to complex social problems. See Christine's work in action by browsing the MacChangers StoryMaps from 2022-2023.

VHS Station: In Fall 2022, DS Coordinator Veronica Litt spun up a VHS Viewing Station for undergraduate students in English 4QA3: Queerness in the Archives: Lesbian and Gay Writing, Art, and Activism in Canada, 1969-1989. Taught by Dr. Amber Dean, this class saw upper-year undergraduates contribute to the Hamilton 2SLGBTQ+ Archives by cataloguing donated items, several of which were TV recordings on VHS tapes. In need of a space for students to view these VHS tapes, Dr. Dean reached out to SCDS and Dr. Litt liaised with Campus Classroom Technologies and Campus Accessible Technology Services to transition a meeting room to a temporary VHS Viewing Station. The room was reorganized to include a sofa, coffee table, VCR, and flat screen TV. The room is currently developing and set to become a Media Graveyard that hosts usable technology from time gone by. We currently stock a VHS player, DVD player, Atari console, and Nintendo GameCube.

5. Workshops

5.1 Workshops at a Glance

This year's workshops explored several in-demand topics and were enthusiastically taken up by the campus.

In total, SCDS ran **38 workshops across 3 series**—our highest number of annual workshops ever. **24 of these sessions comprised new or significantly reworked material** on emerging fields such as machine learning, computational text analysis, sensitive data, and scholarly podcasting. **2300 people registered for the slate of events, which occupied a cumulative 67 hours of presentations.** Considering the substantial time investment required to prepare and deliver these workshops, this work represents a significant area of focus for SCDS staff and affiliates. With increased registrations and positive feedback, we are pleased to report that this work is very much appreciated and supported by the McMaster community.

72 attendees completed feedback forms on the workshops. 70% of respondents described the workshops as highly useful (i.e. the highest or second highest ratings on the survey). Respondents praised our concise and engaging presentations, knowledgeable and friendly speakers, and fun, interactive, positive atmosphere. Our collective use of demonstrative examples, hands-on activities, and supportive resources were highlighted across the three workshop series.

Our workshops are increasingly sought out with a 17% increase in registration in the time since our last report.

With registration rates increasing and our banner of workshop series growing, SCDS looks forward to continuing to promote digital fluency on the McMaster campus.

SCDS Workshop Growth

5.2 Do More with Digital Scholarship Workshop Series

Learn more on the [2022-2023 DMDS webpage.](#)

The Do More with Digital Scholarship (DMDS) workshop series introduces McMaster students, faculty, and staff, as well as members of the public, to the vibrant and multifaceted domain of digital scholarship. The series helps registrants develop professional skills, explore digital approaches to research and knowledge mobilization, and discover opportunities for collaborative projects.

Building on the successes of previous years and inspired by increasing demand, the 2022-2023, the DMDS series included 10 unique workshops. **In total, 460 people registered for the 10 events**.

The slate of workshops covered the following topics, in order of event date:

- What is Digital Scholarship?   (Hybrid panel)
- Network Visualizations with Gephi   (Live virtual session)
- Open Everything! A Panel on Open Scholarship   (Live virtual session)
- Visualizing Texts with Voyant Tools   (Live virtual session)
- Podcasting Boot Camp   (Live in-person session)
- Obsidian and Digital Note-Taking   (Live virtual session)
- Sound Data   (Live virtual session)
- Computational Approaches to Text Prep and Analysis   (Live virtual session)
- 3D Modelling and Printing   (Live in-person session)
- Teaching with Digital Tools   (Live virtual session)

Participants praised the DMDS workshop series for balancing comprehensive material, positive atmospheres, knowledgeable presenters, clear examples, helpful resources, and interactive, hands-on lessons.

5.3 Data Analysis Support Hub (DASH) Workshop Series

Learn more on the [2022-2023 DASH webpage](#).

United by the shared goal of developing data analysis skills on the McMaster campus, the McMaster University Library and the Sherman Centre continued to partner on the successful Data Analysis Support Hub (DASH) workshop series from June 1, 2022 to May 31, 2023.

DASH facilitated **18 workshops for 1272 total registrants**.

The 2022-2023 DASH series covered the following topics, in order of event date:

- Machine Learning with R: K-Means Clustering   (Live virtual session)
- Intro to Python Programming   (Live virtual session)
- Machine Learning with R: Linear Regression   (Live virtual session)
- Intermediate Python Programming   (Live virtual session)
- Making the Move from ArcMap to ArcGIS Pro   (Live virtual session)
- Machine Learning with R: Logistic Regression   (Live virtual session)
- Machine Learning with R: SVM   (Live virtual session)
- Machine Learning with Python   (Live virtual session)
- Intro to R Programming   (Live virtual session)
- Data Visualization with MATLAB   (Asynchronous virtual session)
- Data Visualization with ggplot2   (Live virtual session)
- Intro to Geospatial Data   (Live virtual session)
- Machine Learning with R: Random Forest Classification   (Live virtual session)
- Intro to LaTeX   (Live virtual session)
- Visual Data Analysis with Excel   (Live virtual session)
- How to Copy ArcGIS Online Data Across Accounts   (Live virtual session)
- Cleaning Up Messy Data with Python and Pandas   (Live virtual session)
- Version Control with Git   (Live virtual session)

Participants praised the DASH workshop series for its informative material, keen and knowledgeable staff, well-structured sessions, and supportive Q&A periods.

Project Spotlight: DASH Celebrates Community Collaboration with YWCA Hamilton

This year's DASH workshops included a suite of five linked sessions on "Machine Learning with R" specifically tailored to women and nonbinary people enrolled in the YWCA Hamilton's Data Science cohort.

This community collaboration was spearheaded by Shaila Jamal (DASH Support Assistant and SCDS Graduate Resident 2020-22) and Carmen Robles Messam (Former YWCA Uplift Program Coordinator), with support provided by DASH and the Sherman Centre for Digital Scholarship.

The five workshops provided beginner-friendly sessions on several aspects of Machine Learning with R including K-Means Clustering, Linear Regression, Logistic Regression, Support Vector Machine Classification, and Random Forest Classification Approach. Browse materials associated with the workshops, including modules and recordings, on our collection of 2022-2023 DASH workshop recordings.

All workshops were created and delivered by Shaila Jamal to support the YWCA's Uplift Program, which reskills women and non-binary people to enter new sectors. DASH worked with the Data Science cohort, which focuses specifically on the tech industry.

In partial recognition of this work and her broader commitment to STEM mentorship and social justice research, Shaila was selected as a 2023 Woman of Distinction Award recipient, out of 65 nominees.

In her acknowledgements, Shaila highlighted the DASH program, writing:

"Thanks to the DASH team at McMaster University Library for allowing me to support McMaster and the greater Hamilton community in solving their data analysis issues. It has been a great journey in learning where clients face challenges in analyzing data and developing workshops and resources to support them."

DASH is currently working with our contact from YWCA Carmen Robles Messam on a new collaboration for her new workplace: the Niagara Folk Arts Multicultural Centre, a non-profit that supports newcomers and immigrants as they settle in Canada.

5.4 Research Data Management Workshop Series

Learn more on the [2022-2023 RDM webpage](#).

Research Data Management (RDM) workshops are the brainchild of Danica Evering and Isaac Pratt, the Sherman Centre's Research Data Management Specialists.

RDM workshops concern the active organization and maintenance of data throughout its lifecycle—from collection to interpretation, dissemination, long-term preservation, and reuse—and are quickly becoming a mainstay on the McMaster campus. This year's workshops featured the development and delivery of **4 new sessions** on in-demand topics such as sensitive data, DOIs, reusing datasets, and qualitative data.

In total, **578 people registered for the 10 RDM events**. The slate of workshops covered the following topics, in order of event date:

- Set Yourself Up for Research Success   (Live in-person session)
- Best Practices for Managing Data in your Research – Fall 2022   (Live virtual session)
- Data Management Plans: Intro to DMP Assistant   (Live virtual session)
- What You Need to Know About the Tri-Agency RDM Policy   (Live virtual session)
- Best Practices for Managing Data in your Research – Winter 2023 (Live virtual session)
- Depositing & Sharing Data Online with McMaster Dataverse   (Live virtual session)
- Securely Managing and Publishing Sensitive Data   (Live virtual session)
- What are ORCiDs and DOIs—and Why Do I Need Them?   (Live virtual session)
- Before You Dig: Finding & Reusing Datasets   (Live virtual session)
- Qualitative Data: Practices for RDM Planning and Sharing   (Live virtual session)

Participants praised the RDM workshop series for its straightforward, practical, and comprehensive material, engaging speakers, hands-on activities, and helpful interaction between attendees and hosts.

5.5 #OpenAccessWeek and #LoveDataWeek Workshop Partnerships

As part of our work in the overarching Digital Scholarship ecosystem, SCDS is pleased to contribute to larger initiatives including International Open Access Week and Love Data Week. These week-long event slates promote major shifts in the world of DS including the rise of accessible research and data-centric research.

October 23-29, 2022: Open Access Week
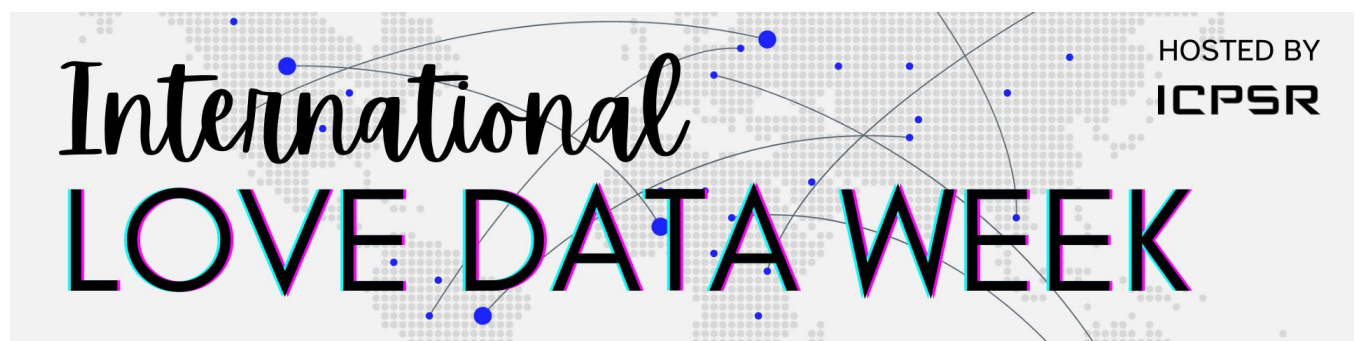
Learn more on the "Open Access Week" Blog Post

Open Access Week celebrates the rise of open access academia and champions barrier-free access to research. To celebrate the seismic shift in scholarship brought about by the Open Access movement, McMaster Library and the Sherman Centre hosted **four virtual events** on open access publishing, sharing your research data, increasing your research impact through OA, and examining the way OA is changing the academic landscape.

February 12-18, 2023: Love Data Week

Learn more on the "Love Data Week" Blog Post

Love Data Week is an international celebration of data that takes place during the week of Valentine's Day. Run by the ICPSR, this year the Sherman Centre joined in on the festivities by hosting **five virtual sessions** that celebrate data in its many forms. Staff members and guests hosted events on data visualization, computational text analysis, geospatial data, data management, and an exciting guest lecture by the journalists behind a fantastic citizen science/data viz project on climate change in Canadian cities.

5.5 Certificate Program

Learn more on the [Certificate Program](#) webpage.

Our revamped certificate program recognizes and incentivizes participation in our suite of workshop offerings from DMDS, DASH, and RDM. Participants must attend at least seven workshops and verify their participation by submitting a code on a custom form. The program complements degree training, formalizes skills fostered by our workshop series, and supports the development of critical competencies in data analysis, research data management, and digital scholarship.

This program was initially launched before the pandemic, though in 2022, as we shifted back to select hybrid and in-person programming, we revived the programs with a key enhancement. The revised program offered participants the option to specialize in one of three concentrations, based on each workshop series' focus. The streams offered in 2022-2023 were Data Analysis and Visualization, Digital Scholarship, and Research Data Management.
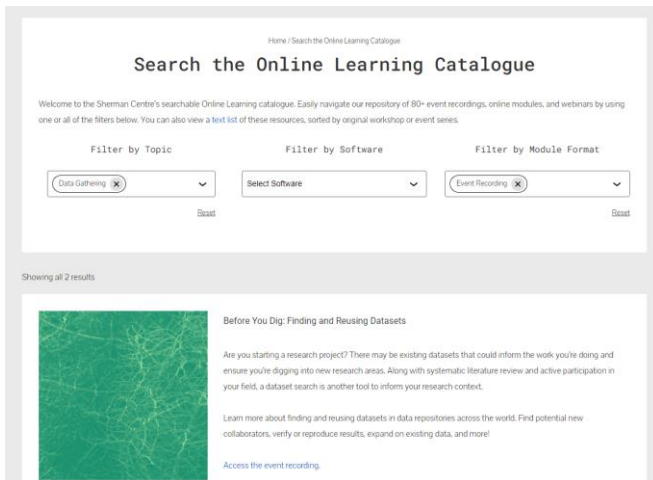
The Certificate program has been enthusiastically taken up by event participants, with **400+ codes submitted**. As our workshop series wraps up, we have begun receiving our first wave of certificate requests. 15 have been granted so far, with more to come.

This certificate acknowledges that

Valerie Fan

has completed seven workshops in the
Data Analysis & Visualization concentration
at the Sherman Centre for Digital Scholarship
at McMaster University

April 29, 2023

Date of completion

Completion of the Certificate does
not confer a University grade,
course credit, or degree.

Certificate of completion

McMaster University | Library

Lewis & Ruth Sherman Centre for Digital Scholarship

5.6 Online Learning: Workshop Recordings, Modules, and Video Tutorials

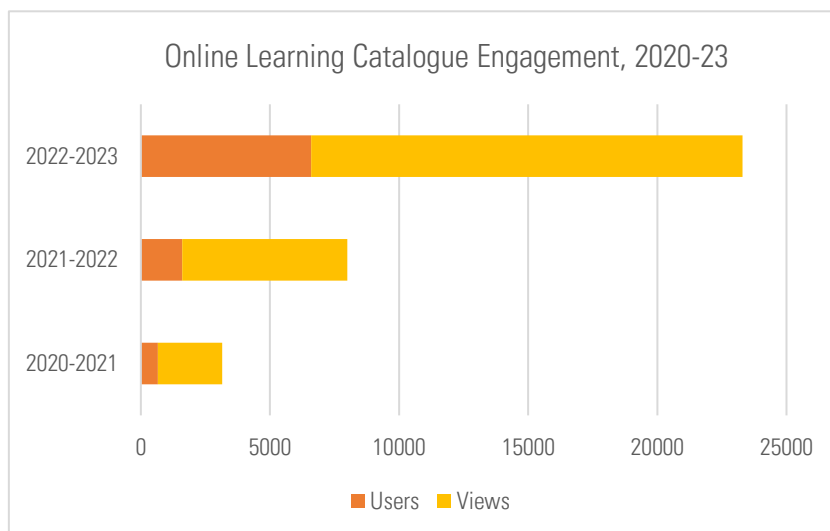More information on the SCDS Online Learning webpage.

After successfully piloting virtual workshops and events during the pandemic, we amassed a valuable set of online resources comprising what is now known as our Online Learning Catalogue. In 2022-23, having continued to offer virtual attendance options to workshop participants and event attendees, we were able to greatly develop our existing collection of event recordings, e-resources, text guides, video tutorials, and supporting documentation such as demo instructions, sample datasets, and presentation slides.

A major enhancement to our online offerings occurred in Summer 2022 when DS Coordinator Veronica Litt revamped the catalogue from a text list to a searchable catalogue. Users can now easily navigate through our collection of **90+ asynchronous resources** by searching for the topic, software, and module format of their interest.

An impressive increase in viewership confirms significant interest in this collection of online learning resources. Between June 1, 2022 to May 31, 2023, our online resources received **16,700 views from 6,600 users.** This marks a **160% increase in views** and an extraordinary **312% increase in users** compared to the time period covered by our last report.

Online workshops make academic content available to the public in perpetuity and expand the scope of learning beyond those who were able to attend the synchronous workshop. As well, as we enhance our involvement with community groups and local organizations, collaborators like YWCA Hamilton and the Niagara Folk Arts Multicultural Centre are increasingly impressed by our collection of accessible asynchronous learning resources. The Online Learning Catalogue is a crucial piece in how the Sherman Centre is disseminating training resources to the McMaster community and beyond.

6. Mentorship and Student Development

6.1 SCDS Graduate Residency

Learn more on the [2023 graduate residents](#) webpage.

In the time covered by this report, the Sherman Centre welcomed a cohort of 9 graduate students to its Graduate Residency Program.

- **Emilie Altman** (MSc Student, Cognitive Science of Language)
- **Alexis-Carlota Cochrane** (PhD Student, Communication, New Media, and Cultural Studies)
- **Niloofar Hooman** (PhD Candidate, Communication Studies and Media Arts)
- **Samantha McEwan** (PhD Candidate, Communication Studies and Media Arts)
- **Lulwama Kuto Mulalu** (PhD Student, Global Health)
- **Nnamdi Nnake** (PhD Student, History of Technology)
- **Stephanie Rico** (PhD Student, English and Cultural Studies)
- **Katy Celina Sandoval** (PhD Student, Neuroscience)
- **Chase R. Thomson** (MA Student, Cultural Studies and Critical Theory)

Residency Workshops and Consultations

Several Sherman Centre staff gave presentations on their areas of expertise to the cohort: Jay Brodeur on Omeka, John Fink on websites, Christine Homuth on StoryMaps, Veronica Litt on Twine Games, Danica Evering and Isaac Pratt on RDM, and Subhanya Sivajothy on data visualization.

Staff and Affiliates also provided customized support in the form of individual consultations with Graduate Residents. Danica Evering and Isaac Pratt consulted on RDM, John Fink supported students working with Twitter data, Myron Groover and Subhanya Sivajothy co-advised students on digital storytelling, Veronica Litt provided guidance on academic podcasting, and Subhanya independently supported students interested in data sonification, text visualization, and digital exhibits.

Project Spotlight: Graduate Resident Research

These residents are developing a wide range of fascinating digital projects:

- A virtual exhibit of personal narratives by Ukrainians affected by the current Russia-Ukraine war
- A study of discriminatory algorithms on Meta social media platforms
- A social media analysis of the feminist movement in Iran
- A digital archive of bisexual women's experience
- A multimedia digital project that engages youth climate activists
- An interactive website that simulates impacts of governmental decisions about telecoms in Nigeria and Kenya
- A digital exhibit of queer historical spaces in Hamilton
- A digital comic about a Latina's experiences in STEM academia
- A podcast that integrates an Indigenous perspective into queer Hamilton history

6.2 Research Assistantships and Student Training

SCDS staff devote a considerable amount of time to supporting students through training, research assistantships, and supervised employment. Student supervisees, employees, collaborators, and research assistants gain in-demand digital skills, gain editorial and authorship credits on major projects, contribute to meaningful data initiatives, and explore new professional fields, particularly the growing realms of digitization, open-access community data, and Research Data Management.

Research Assistants and Associates

In the time covered by this report, Andrea Zeffiro offered research assistantships to 7 graduate students at McMaster. A cluster of CSMA graduate students (Alexis Carlota Cochrane, Sam McEwan, Gil Niessen, Clementine Oberst) supported the SSHRC Insight Grant application "Breaching Data Breaches: Towards a Critical Understanding of Data Breaches as Security Crises." These RAs refined research skills such as archival research, discourse analysis, collaborating on an [academic journal article](#), preparing and delivering an academic conference talk, and sonification and visualization.

Undergraduate student Joshua Durand and CSMA graduate student Natasha Malik assisted Dr. Zeffiro with her SSHRC Explore Grant "Data Breach Archive: Exploring Digital Storytelling as Participatory Data Governance." Joshua and Natasha honed research skills, collaborated on an academic journal article and a conference abstract, and planned and facilitated the first iteration of a community-based cybersecurity workshop.

Vange Holtz Schramek, a PhD candidate in the CSMA program, refined policy analysis skills and gained experience with writing reports for non-specialized audiences while providing support on Dr. Zeffiro's SSHRC Connection Grant "Tools of Translation: Expanding the Relevance of Research to Policy and Practice."

Dr. Zeffiro also supervises 3 doctoral students in the [Communication Studies PhD program](#), acts as a member of 6 dissertation committees, and is the second reader on 2 major research projects that examine social media platforms, surveillance, and authority. Additionally, Andrea supervised a Directed Reading course for CMST 4A03 undergraduate student Blake Dillon, who spent Summer 2022 examining cybersecurity and digital inequities. Coursework culminated with Dillon developing an implementation-ready research survey.

Through the 2022-2023 school year, Research Impact and Bibliometric Librarian Jeff Demaine collaborated with undergraduate student Haley Monson and graduate student Alexa Bennett by providing advanced bibliometric analyses in support of their now-published research.

Student Employees

Over the summer of 2022, the Sherman Centre hired six Summer Students to assist staff with various projects including building an [open-access digital edition](#), research [open-access publication trends at McMaster](#), maintaining the McMaster Experts database, developing a [community data portal](#), contributing to GIS resources, and creating new Data Management Plan documents.

Several students continued placements into the school year. Sarthak Behal was supervised by Research Data Management Specialists Danica Evering and Isaac Pratt in creating an environmental scan of RDM offerings across

Canadian institutions as well as a new DMP database (forthcoming). Subyeta Haque assisted Digital Scholarship Coordinator Veronica Litt with social media and event promotion while continuing her work digitizing an 18th-century novel. Robyn Berardi continued to work with Jay Brodeur and Jeff Demaine to curate metadata in McMaster Experts. Christine Homuth (Spatial Information Specialist) supervised three students working on GIS projects. Spencer Schmitz digitized map sheet boundaries, created interactive web map indexes to various print map collections, and, began compiling an inventory of the federal A series air photos. Val Flores Zambrano georeferenced historic maps and air photos using Map Warper and upon Spencer's departure, continued to inventory air photos for the OCUL Geo Air Photo Working Group project. Lucas Beckering Vinckers Stofer has been creating a 3D building dataset for Hamilton and converting campus AutoCAD drawings to shapefiles for use in GIS.

Students working in GIS and data often collaborated with one another, contributing time to projects headed by both Christine Homuth and Vivek Jadon. For instance, Vivek's Data Student Serena Lam was also involved in the Map Warper work by georeferencing maps and air photos. SCDS Affiliate Saman Goudarzi's student Venus Hong was involved with the air photo inventory, while Spencer Schmitz assisted with Vivek Jadon's Community Data Portal.
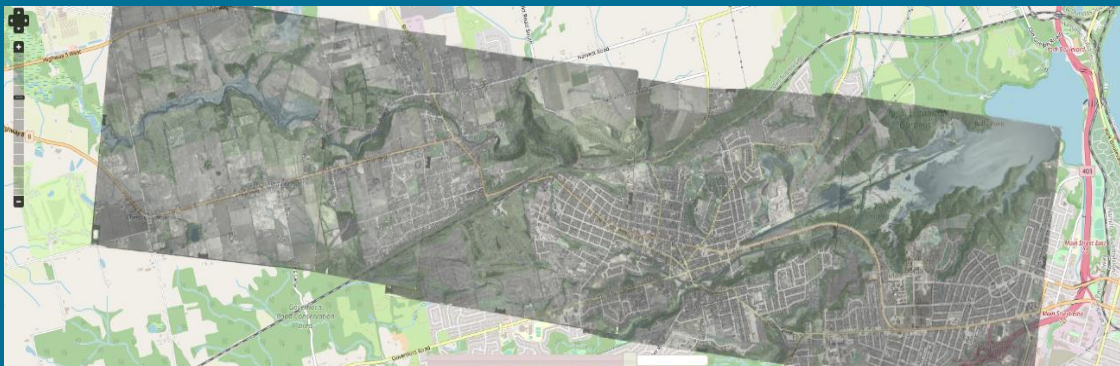
In addition, Christine Homuth, Vivek Jadon, and Subhanya Sivajothy collaboratively supervised Data Analysis Support Hub Support Assistants Maya Flannery, Shaila Jamal, and Isaac Kinley. To learn more about the DASH program and the ways it fosters key skillsets in student employees, see 3.3.

As we enter the summer of 2023, we have hired four students for the term including a GIS Assistant, McMaster Experts Student, Research Data Management Assistant, and Learning Resource Development Assistant, These students will contribute to ongoing geospatial projects and resources, support a repository or information about the scholarly and artistic works of McMaster researchers, provide assistance for Research Data Management Services, and apply media editing and creation skills with pedagogical best practices to create highly engaging and effective learning objects for use by instructors and learners in all environments.

Project Spotlight: 2022 Summer Student Val Flores Zambrano on Geo-Referencing

"My name is Val. I'm a History student in my fourth year. During the summer, I worked on georeferencing the many maps and air photos Mills Library has in the McMaster catalogue. It is incredibly interesting work, matching these documents going as far back as the 1920s to what the landscape looks like today. I got to really see the ways cities, counties, and countries changed throughout the decades. For a history student, that kind of work is inspiring. I also got to familiarize myself with software I had never used before which was fascinating to do.

It is fun work. Say you have a picture; one an airplane took in the 1960s of the Hamilton & Burlington area. What can you see? Do you recognize certain streets? Can you see the waterfront? I get to use those kinds of landmarks to place the picture on top of today's map and see how the area has changed over time. That is what georeferencing is. It is not something most people are familiar with, but I've loved it."
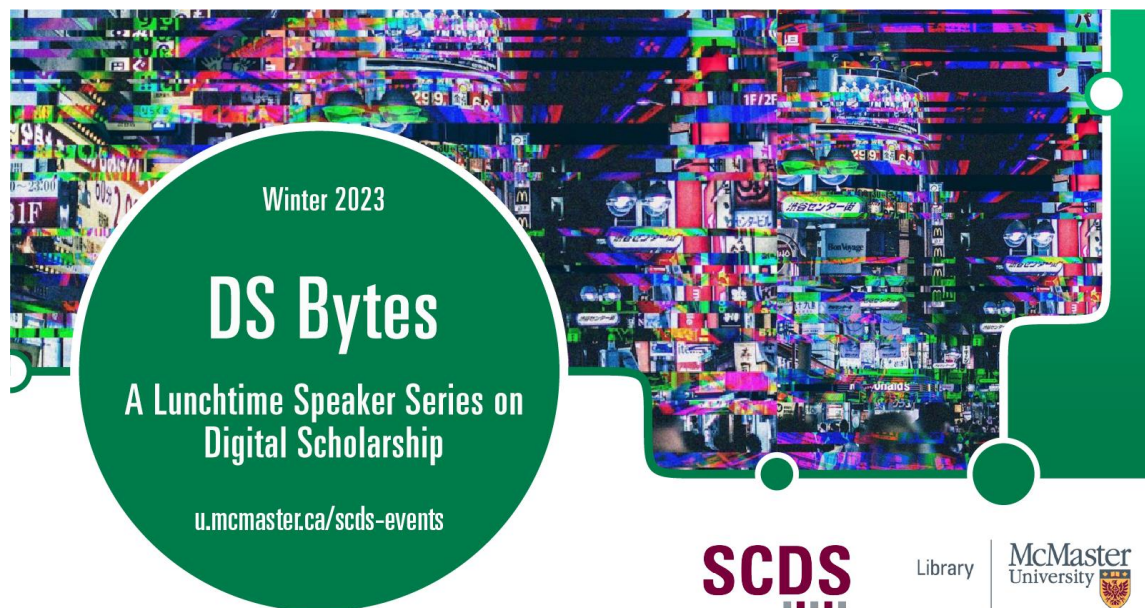
7. Special Events

This year, SCDS supported and co-sponsored eleven major digital scholarship events. Through a summer institute, intensive workshop series, interdisciplinary lecture series, international event partnership, and confab, the Sherman Centre facilitated wide-ranging, critical discussions and fostered skill-building opportunities for scholars and staff at McMaster. In total, 850 people registered for these events.

7.1 DS Bytes: A Lunchtime Speaker Series on Digital Scholarship

[Learn more on the DS Bytes webpage.](#)

The popular lunchtime speaker series "DS Bytes" introduced attendees to prescient topics in digital scholarship and social justice. Across six virtual events, a diverse group of DS practitioners, scholars, artists, and journalists explored data, artificial intelligence, critical literacy, data visualization, and data literacy. The lecture series was a major success, attracting **760 registrants** and comprising 8 hours of programming. As a nod to the Centre's tenth anniversary, the series featured two SCDS alumni: Adan Jerreat-Poole (Assistant Professor, University of Waterloo) and Mark Belan (Scientific Graphics Journalist), both of whom were Graduate Residents in past years.

Glitch: Disability, Feminism, Technology
Lecture by Dr. Adan Jerreat-Poole (Assistant Professor of Communication Arts, University of Waterloo)

This lecture by Dr. Adan Jerreat-Poole explored the history of "glitch feminism" and then discussed glitches as opportunities to build Mad/crip/queer community. As Jerreat-Poole writes, "Glitch resonates with me as a Mad/disabled person and scholar. We have glitchy brains and glitchy bodies that don't always do what we ask of them or what society demands of them. A glitch can be a mistake, a pause, a redirection, a new field of possibility."

How to Lie with Data

Panel with Vass Bednar (Executive Director, Public Policy in Digital Society Program), Cal Biruk (Associate Professor, Anthropology), Jeffrey Demaine (Bibliometrics Librarian), Saman Goudarzi (Cartographic Resources Librarian), Christine Homuth (Spatial Information Specialist), and Subhanya Sivajothy (Data Analysis and Visualization Librarian)

Data may seem objective or neutral, but that's not always the case. At this roundtable, attendees learned about how data can be manipulated, skewed, or collected so poorly that any findings are extremely suspect. This session aimed to build critical literacy and build attendees' understanding of data collection, statistics, visualizations including infographics, charts, graphs, and maps, and the Data Justice movement.

The Value of Visuals in Science Communication

Lecture by Mark Belan (Scientific Graphics Journalist)

Visual storytelling is becoming increasingly important in a data-driven world: from data visualizations to diagrammatic illustrations, telling science stories requires a visual component. The reasons for this lie in the way we process information. This talk introduced the basics of visual perception, its benefit to science communication, and how anyone can manipulate design theory to create visuals that tell impactful science stories.

Urban Heat Islands and Social Inequities: A Data-Driven Story

Lecture by Isabelle Bouchard (Data Scientist) and Nael Shiab (Senior Data Producer, CBC)

Bouchard and Shiab presented their [data journalism on urban heat islands](#), which showed that immigrants and people with low income are most likely to live in the hottest urban areas. This makes them much more vulnerable to heat waves, with deadly consequences. Bouchard and Shiab shared their methodology and discuss how they used open data and interactive visualization to highlight social inequalities and support the story.

How to Lie with Visualization

Virtual Lecture by Dr. Gabby Resch (Assistant Professor of Information Visualization, Ontario Tech University)

In this talk, Dr. Gabby Resch examined a range of visualization techniques and methods that are frequently used to lie, deceive, and manipulate – as well as a set of design criteria that can be used to counteract graphical deception. Thematically, the talk explored the emergence of data-driven media, the various ways that misleading graphics are produced and disseminated, and the relationship between authority, trust, accuracy, persuasion, and literacy.

EQ vs IQ: Gendered AI in Apple's Siri

Lecture by Dr. Lai-Tze Fan (Assistant Professor of Sociology & Legal Studies and English Literature, Waterloo)

In this talk, Dr. Fan explored how the gendering of AI assistants is just a new method in a long history of abstracting women and their bodies into labouring machines. Performing tests on Apple's AI assistant Siri, she argued that when assessing such AI for human-like performance, designers are not looking for intelligence, but rather, for efficacy to get the job done—content production, menial task completion, and capital transactions—with a smile.

7.2 McMaster-Université Grenoble Alpes Collaborative Digital Humanities Events
Learn more on the event webpage

In Summer 2022, Digital Scholarship Coordinator Veronica Litt managed a suite of collaborative events with McMaster's French sister institution, Université Grenoble Alpes. While McMaster and UGA have previously partnered on events, the Summer 2022 iteration of the Joint Workshop marked the first time that the Humanities entered the conversation. Alongside Jay Brodeur and UGA's Geraldine Castel, SCDS organized a research roundtable and hands-on sandbox session. These events provided Digital Humanities researchers with a platform for their work, gave participants valuable networking opportunities, and fostered connections between McMaster and UGA.

Ultimately, these sessions highlighted research by SCDS staff including Andrea Zeffiro, past SCDS Graduate Residents Alexis-Carlota Cochrane and Theresa Kenney, SCDS Advisory Committee member Karen Balcom, and collaborator Spencer Pope, among others. 45 people registered for the events.

I. Digital Tools in the Humanities and Social Sciences: A Research Roundtable

How can digital tools enhance and complexify research in the humanities and social sciences? At this research roundtable, ten scholars from McMaster University and Université Grenoble Alpes share their work in the Digital Humanities and Social Sciences.

Engage with the challenges of analyzing a massive digital database of e-petitions. See how GIS technology is reviving an ancient Greek city. Take a closer look at how NGOs represent women in online imagery. Explore how memes challenge academic posturing on Zoom. The panel was divided into three clusters: Data, Social Media, and Teaching and Pedagogy.

Digital Tools in the Humanities and Social Sciences: A Research Roundtable
June 21, 2022
9am - 12pm
Free online event

Digital Humanities Sandbox Session: Tableau, Voyant
June 22, 2022
9am - 12pm
Free online event

II. Digital Humanities Sandbox Session
Interested in DH but unsure of where to start? This sandbox session gives attendees the opportunity to gain hands-on skills with a new digital tool. Participants chose between Tableau (data analysis and visualization software) and Voyant (a web-based application for textual analysis), then joined interactive sessions with activities on each platform.

7.3 Conference and Confab Support

DHSI: Digital Humanities Summer Institute

With DHSI's return to in-person programming, the Sherman Centre was able to offer free registration to five members of the McMaster community, with uptake from McMaster University Library staff. This year's DHSI programming includes 25 skill-building workshops on Open Scholarship, Javascript, XML, Digital Publications, and much more.

DH@Guelph
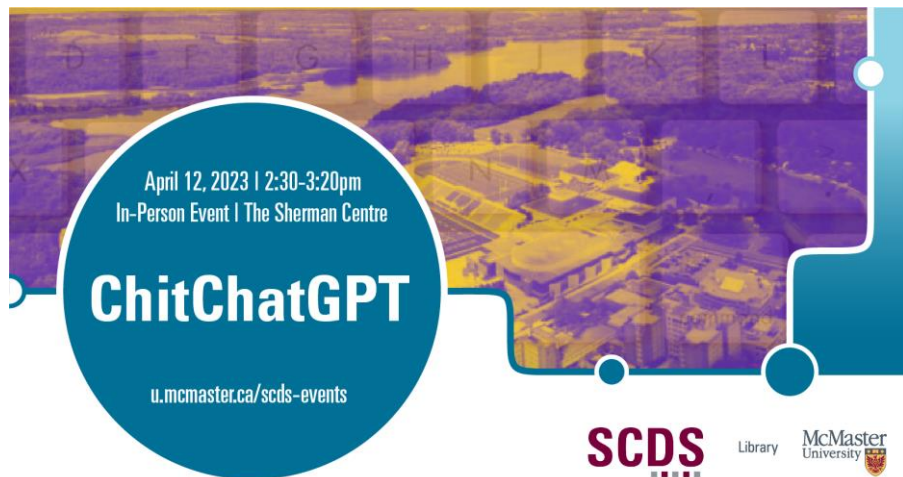
SCDS also funded 5 registrations to this year's DH@Guelph Summer Workshop Series. These scholarships will allow members of the McMaster community—with SCDS Graduate Residents receiving priority—to attend a renowned skill-building Digital Humanities program (offered in-person for the first time in years after laying dormant during the pandemic). This year's DH@Guelph workshops include intensive multi-day sessions on in-demand topics such as text encoding, research data management, data analysis, and more.

Project Spotlight: ChitChatGPT

Conceptualized and organized by Communication Studies faculty member Sara Bannerman and graduate student Ian Steinberg, "ChitChatGPT" provided a casual environment for discussing what ChatGPT means for the University community. The Sherman Centre provided infrastructure for the event including a registration page, promotion, and a physical venue.

The well-attended event saw McMaster students, faculty, and staff engage in an open discussion on the perils and possibilities of ChatGPT. The confab, which featured Alpha Abebe (Assistant Professor, Communication Studies) s a respondent, also acted as the first step towards future regularly recurring sessions where a group can continue exploring this technology.

8. Involvement in the Broader Digital Scholarship Community

8.1 Involvement with Committees, Working Groups, and Communities of Practice

In the time covered by this report, SCDS staff contributed to an impressive number of committees, boards, and working groups. These activities are outlined below:

Jason Brodeur: Co-chair of the Digital Research Alliance of Canada's (DRAC) Curation Expert Group; Member of the DRAC Multi-Year Funding Proposal Working Group; Member of the Canadian Persistent Identifier Advisory Committee (CPIDAC); Member of the ARL Digital Scholarship Institute Advisory Group; Member of the OCUL odesi futures Working Group; Chair of the McMaster RDM Institutional Strategy Working Group; Member of McMaster Infrastructure and Information Security Committee; Member of McMaster Research Information Technology Committee; Member of the McMaster Data Governance Working Group. Member of the Advisory Committee for Spark: a centre for social research innovation; Member of the Data Justice Reading Group

Danica Evering: Member of Compute Ontario (Training Advisory Committee); Member of the Digital Research Alliance of Canada's Working Group for the Survey of Canadian Dataverse Administrators; Member of the Data Justice Reading Group

John Fink: Member of Canadian Digital Scholarship Librarians Community of Practice

Christine Homuth: Member of McMaster University Library Strategic Planning Committee; Co-Lead of Data Analysis Support Hub (DASH); Member of Digital Archive Advisory Board (DAAB); Member of OCUL Geo Community Air Photo Working Group; Member of OCUL Geo Community Learning Objects Working Group

Veronica Litt: Member of McMaster University Library Displays Committee; Member of Canadian Digital Scholarship Librarians Community of Practice; Member of the Data Justice Reading Group

Isaac Pratt: Member of McMaster Research Data Management Institutional Strategy Working Group, a subcommittee of the Research Information Technology Committee; Member of McMaster Research Ethics Board; Member of the Digital Research Alliance of Canada Data Management Planning Expert Group; Member of Compute Ontario Research Data Management Advisory Committee; Member of the Data Justice Reading Group

Subhanya Sivajothy: Member of the Research Intelligence Expert Group (RIEG) as part of the Digital Research Alliance of Canada, Member of the McMaster Library Sustainability Committee, Member of CAPAL, Member of IASSIST; Member of the Data Justice Reading Group

Andrea Zeffiro: Faculty Mentor for HASTAC; Interim Editor of the Canadian Journal of Communication (February 22-May 31, 2023); Member of the Board of Directors for the Canadian Journal of Communication; International Advisory Board Member of Sound Walk September; Advisory Board Member of the University of Calgary's Environmental Media Lab; Affiliate faculty member in McMaster's Master of Public Policy in Digital Society Program, Cultural Studies and Critical Theory MA program, and the Department of English and Cultural Studies; Member of the Global Nexus: Surveillance, Preparedness and Vaccines Taskforce; Member of the Data Justice Reading Group

8.2 ARL Digital Scholarship Institute Advisory Group

In collaboration with five other major North American Digital Scholarship Centres, the Sherman Centre participated in the Association of Research Libraries' (ARL) Digital Scholarship Institute (DSI) Advisory Group between 2019-2022. Represented by Amanda Montague, Jay Brodeur and Vivian Lewis (McMaster University Librarian), the Sherman Centre helped determine and administer the pedagogical direction, admissions, and instructional programming of the Institute's annual, week-long digital scholarship training event. In late 2022, the ARL Learning Network Committee decided to sunset the DSI due to the priorities it set for 2023-2026, and the capacity to carry out the priorities. The legacy of the DSI persists through the open resources created by the group over its term and elements of the Institute have been reconstituted as an offering in the Summer 2023 Digital Humanities Summer Institute.

8.3 Fundamentals of OCAP – First Nations Information Governance Centre

In the Summer of 2022, a group of SCDS staff collectively completed the First Nations Information Governance Centre's online OCAP course. OCAP stands for Ownership, Control, Access, and Possession, and provides an important framework for understanding Indigenous data sovereignty. The group—which included Danica Evering, Veronica Litt, Isaac Pratt, and Subhanya Sivajothy—completed seven modules and a final test that gauged their understanding of topics such as Community Harm, Barriers and Levers to Implementing OCAP, and First Nations Jurisdiction. Danica Evering led regular check-ins with the group, posed thoughtful conversation prompts on the group's Microsoft Teams page, and organized virtual discussions to further engage with the material.

8.4 Communications Initiatives: The SCDS Snapshot and The DS Dispatch
Read the latest issue of the Snapshot or browse the complete archive.

2022-2023 saw the continued growth of the Sherman Centre's communications initiatives: "The SCDS Snapshot" and the "The DS Dispatch." The Snapshot corrals developments in the Centre's work including events and online resources while the Dispatch surveys the world of Digital Scholarship at large. Managed by DS Coordinator Veronica Litt, the Centre's mailing list has an audience of 1400+ with both **the Snapshot and Dispatch regularly read by 700+ each month**. This marks a **75% increase** in both figures (audience and readership) compared to 2021-22. Increasingly known in the DS community, these initiatives are a valuable way for SCDS to share our work.

8.5 Press

As a sign of the Sherman Centre's increasingly prominent profile, we're pleased to include a section on Press in this report. Between June 1, 2022 to May 31, 2023, the Sherman Centre's staff and initiatives were highlighted in over 10 articles by McMaster Library News, McMaster Daily News, Research & Innovation, Brighter World, and the Hamilton Spectator.

Summer 2022

Headline	Summary	Publication Details
"War maps from McMaster's stellar collection land roles in major movie productions"	Jay Brodeur and Christine Homuth are interviewed about McMaster maps in 1917, Fury, and Operation Mincemeat.	Jeff Mahoney for The Hamilton Spectator. June 11, 2022.
"McMaster maps supporting cast in war film Operation Mincemeat"	Jay Brodeur discusses digitized maps appearing in a new Netflix film.	Tina Depko for McMaster University Library News; reposted to Daily News. May 9, 2022.
"McMaster Dataverse host relaunches as Borealis"	Danica Evering provides guidance as Dataverse shifts to Borealis.	Nicole Lipari for McMaster University Library News. July 18, 2022.
"Meet Danica, research data management specialist"	Danica Evering is interviewed about their new role at the Library.	Nicole Lipari for McMaster University Library News. August 3, 2022.
"Feedback requested on McMaster research data management current and ideal visioning"	The RDM Institutional Strategy Working Group lays out a five-stage plan and requests involvement from campus.	Danica Evering and Tina Depko for McMaster University Library News; reposted to Daily News. August 15, 2022.

Project Spotlight: McMaster's Digitized Map Collection Goes to Hollywood

"In Los Angeles, there are maps to the homes of the Hollywood stars. In Hamilton, there's a Hollywood "star" that is home to the maps: the map collection at the McMaster University Mills Memorial Library.

The latest coup for the university's increasingly famous collection is landing a part in the recently released Netflix production Operation Mincemeat with Colin Firth…

- *The Hamilton Spectator*

Fall 2022

Headline	Summary	Publication Details
"Sherman Centre announces 2022-2023 workshops, return of certificate program"	SCDS Co-Directors announce 40+ workshops and promote a micro-credential program.	Tina Depko for McMaster University Library News. September 15, 2022.
"Support for advanced computing, research data management, and beyond"	R&I corral support services for researchers including RDM consultations and workshops.	McMaster University Research & Innovation Announcement. October 14, 2022.
"Town hall, focus groups set for McMaster's Research Data Management Strategy"	Jay Brodeur encourages the McMaster community to join a suite of events and make their RDM needs known.	Tina Depko for McMaster University Library News; reposted to Daily News. November 2, 2022.
"Read the McMaster University Library 2021-2022 Impact Report"	Danica Evering, Isaac Pratt, and Subhanya Sivajothy are featured employees in this Report.	Nicole Lipari for McMaster University Library News; reposted to Daily News. November 15, 2022.

"We've only been looking at the issue through a technology lens — and that's important, but we're missing the human factor about how people are being targeted or disproportionately impacted by data breaches and other forms of cyber-crime."

Andrea Zeffiro interviewed in *Brighter World*

Winter 2023

Headline	Summary	Publication Details
"In the world of cybersecurity, humanities research plays an integral role"	Andrea Zeffiro is interviewed about her interdisciplinary work on data breaches.	Sara Laux for McMaster Brighter World. January 16, 2023.
"Sherman Centre launches speaker series on technology and artificial intelligence"	SCDS Co-Directors announce a new six-part virtual event series on prescient topics in DS.	Tina Depko for McMaster University Library News; reposted to Daily News. January 17, 2023.
"McMaster students, researchers, community advocate honoured as Women of Distinction"	DASH Support Assistant and past SCDS Graduate Resident Shaila Jamal receives prestigious award.	McMaster University Daily News, March 8, 2023.
"McMaster launches Research Data Management strategy"	Jay Brodeur is interviewed about the newly-released RDM Strategy.	Tina Depko for McMaster University Library News; reposted to Brighter World. April 24, 2023.

8.6 External Presentations

In addition to workshops, events, and instructional collaborations, SCDS staff also present their work to external groups. In the time covered by this report, staff delivered papers and displayed posters at 12 external events including an invited presentation to a Research Ethics Board Secretariat for Health Canada and several presentations at esteemed Library and Digital Humanities conferences.

Organization/Event	SCDS Staff Presenter	Presentation Title
Research Ethics Board Secretariat for Health Canada and the Public Health Agency of Canada	Jason Brodeur and Andrea Zeffiro	"Social Media Research Ethics"
Access 2022 Conference	Jeffrey Demaine	"A Recipe for MACic"
Bibliometrics & Research Impact Community Conference	Jeffrey Demaine	"Impact and Attention of Open Access COVID Research at McMaster
Bibliometrics & Research Impact Community Conference	Jeffrey Demaine	"Leveraging the Leiden Dataset"
Bibliometrics & Research Impact Community Conference	Jeffrey Demaine	"MAGic Made Easy"
Canadian Association of Health Libraries Conference	Jeffrey Demaine	"Impact and Attention of Open Access COVID Research at McMaster"
International Association of Technological Universities Fall Workshop	Jeffrey Demaine	"Visualizing Potential Collaborations"
Scholars Portal Days 2023: Refresh, Reframe, Renew	Danica Evering with Meghan Goodchild (Queen's University)	"Reflecting and Renewing: A Community-led Collaboration to Survey Canadian Dataverse Administrators"
Canadian Digital Scholarship Librarians Community of Practice	Veronica Litt	"Reintroducing the Sherman Centre for Digital Scholarship"
Ontario Librarians Association Super Conference 2023: Walking in Two Worlds	Subhanya Sivajothy	"From Pie Charts to Data Walls: Data Visualization Services in Academic Libraries"
Canadian Society for Digital Humanities	Subhanya Sivajothy and Andrea Zeffiro with SCDS Graduate Resident Sam McEwan	"Data Sonification as Method: Provocations for Digital Humanities Research"
Canadian Society for Digital Humanities	Andrea Zeffiro with Paul Barrett, Sarah Roger, et. al.	"Future Horizons: Digital Humanities in Canada" Roundtable

8.7 Publications

How do media outlets and news organizations represent data breaches? What should researchers consider while naming digital scholarship labs? In the time covered by this report, Sherman Centre staff were involved in eight publications on the topics above, as well as digital exhibit platforms, equitable teaching, and Research Data Management. **All publications are open access.** † indicates a peer-reviewed publication.

† Bennett, Alexa, Jeffrey Demaine, Caetano Dorea, and Alexandra Cassivi, "A Bibliometric Analysis of Global Research on Drinking Water and Health in Low- and Lower-Middle-Income Countries." Journal of Water and Health 21.3 (2023): 417–38. https://doi.org/10.2166/wh.2023.293

Hogan, Mél, and Andrea Zeffiro. "Naming." In Lori Emerson, Darren Wershler and Jussi Parikka (Eds). A Glossary of Lab Techniques--Extending The Lab Book. University of Minnesota Press, 2022. https://manifold.umn.edu/projects/the-lab-book

Litt, Veronica, Jason Brodeur, Myron Groover, Christine Homuth, Joanne Kehoe, and Gabriela Mircea. "A Guide to Digital Edition and Digital Exhibit Platforms." Sherman Centre Blog post, 2022. https://scds.ca/digital-exhibit-guide/

† Monson, Haley, Jeffrey Demaine, Laura Banfield, and Tina Felfeli, "Three-Year Trends in Literature on Artificial Intelligence in Ophthalmology and Vision Sciences: A Protocol for Bibliometric Analysis." BMJ Health and Care Informatics 29.1 (2022). https://doi.org/10.1136/bmjhci-2022-100594

Pratt, Isaac, Danica Evering, and Jason Brodeur. "McMaster University Research Data Management (RDM) Institutional Strategy, 2023-2025" McMaster Research Data Management Services (2023). http://hdl.handle.net/11375/28392

† Zeffiro, Andrea, Jay Brodeur, and Amanda Montague, "Social, Equitable, Collaborative: Ten Years of Teaching and Learning at the Sherman Centre for Digital Scholarship." In Alise de Bie, Sue Baptiste, Cathy Grisé, Sheila Sammon (Eds). Where learning deeply matters: Reflections on the past, present, and future of teaching and McMaster University. MacPherson Institute (2022). https://mulpress.mcmaster.ca/mi/article/view/5065

† Zeffiro, Andrea, Gil Niessen, Clementine Oberst, Sam McEwan, Alexis-Carlota Cochrane, and Joshua Durand. Rivista di Digital Politics 2.3 (2023): 369-398. https://www.rivisteweb.it/doi/10.53227/106451

Zeffiro, Andrea, Jason Brodeur, Sarah Whitwell, Allison Van, Michelle Dion, Evangeline Holtz Schramek, and Veronica Litt, "Advancing Interdisciplinary Data Science Training for the Humanities and Social Sciences." The Sherman Centre for Digital Scholarship Report (2022). http://hdl.handle.net/11375/28044

Acknowledgments

In addition to writing and co-writing publications, SCDS staff are thanked for their contributions to research articles by collaborators and Graduate Residents. Past SCDS Graduate Resident Katherine Eaton's latest article thanked Dr. Andrea Zeffiro, John Fink, Dr. Matthew Davis, and Dr. Amanda Montague for their assistance in developing a genomic database in a new open-access article on the evolution and spread of the plague. Past SCDS Graduate Resident Shaila Jamal acknowledge SCDS' role in supporting her published research on meaningfully involving older immigrants in Hamilton in public transit planning and design. Digital Scholarship Librarian John Fink was acknowledged for developing a Reddit data scraper script that enabled Dr. Yanqiu Rachel Zhou (Health, Aging, and Society) to publish an article on the Lying Flat Movement in China.

Eaton, Katherine et al. "Plagued by a Cyptic Clock: Insight and Issues from the Global Phylogeny of Yersinia pestis." Communications Biology 6.23 (2023). https://www.nature.com/articles/s42003-022-04394-6

Jamal, Shaila and K. Bruce Newbold. "The promise of co-design for improving transit service for older immigrants: Development of a co-design framework for Hamilton, Ontario." Urban Governance 3.1 (2023): 83-91.

Zhou, Yanqiu Rachel. "The Lying Flat Movement, Global Youth, and Globality: A Case of Collective Reading on Reddit." Globalizations 20.4 (2023): 679-695.
https://www.tandfonline.com/doi/abs/10.1080/14747731.2023.2165377

8.8 HASTAC Scholars

Three SCDS community members became 2023-2025 HASTAC Scholars. Alexis-Carlota Cochrane (Graduate Resident, 2020-2021 and 2023), Sam McEwan (Graduate Resident, 2023), and Clementine Oberst (Research Assistant) joined the HASTAC cohort and became part of a dynamic scholarly community. As HASTAC scholars, Alexis-Carlota, Sam, and Clementine will participate in critical conversations about the university in the digital age, network with established digital scholars, and contribute blog posts, interviews, and book reviews to the HASTAC site.