



## UNIVERSITY OF TORONTO LIBRARIES

**POSITION:** Data Visualization Librarian (Librarian I/II)

**DEPARTMENT:** University of Toronto Libraries, Map and Data Library

**DATE REQUIRED:** November 1, 2016

Are you looking for challenging, meaningful work in a supportive and diverse environment? Are you looking for a career at one of Canada's top employers? Work where the world comes to think, discover and learn. Consider a career at the University of Toronto.

The University of Toronto Libraries (UTL) is seeking a Data Visualization Librarian to develop programs and services to support the emerging data visualization needs of students and faculty at the University of Toronto.

### **About the University of Toronto Libraries**

The University of Toronto Libraries (UTL) system is the largest academic library in Canada and is ranked third among peer institutions in North America, behind just Harvard and Yale. The system consists of 44 libraries located on three university campuses: St. George, Mississauga, and Scarborough. This array of college libraries, special collections, and specialized libraries and information centres supports the teaching and research requirements of 215 graduate programs, over 60 professional programs, and more than 700 undergraduate degree programs. In addition to more than 12 million print volumes, the library system currently provides access to millions of electronic resources in various forms and over 29,554 linear metres of archival material. More than 150,000 new print volumes are acquired each year. The Libraries' data centre houses more than 200 servers with a storage capacity of 1.5 petabytes.

### **The Opportunity**

Reporting to the Head of the Map and Data Library, the Data Visualization Librarian will engage with users across the university and work collegially within UTL to develop a strategic approach to this new area of library services, including conducting needs assessments to inform service, technical, and infrastructural requirements.

### **Other responsibilities are as follows:**

1. Supports students and faculty with their data visualization research and practice via consultations, and through teaching and instruction.
2. In collaboration with other UTL librarians, develops and offers software instruction to support teaching, learning, and research at the University of Toronto

3. Leads the writing and publishing of data visualization instructional tutorials, courses, and supplementary material
4. In collaboration with other UTL librarians, contributes to the broad range of data services that support academic researchers.
5. Collaborates with and contributes expertise to student and faculty data, statistical, and visualization projects in a range of disciplines
6. Develops and reports on assessment measures for services
7. Through various levels of engagement and partnerships, integrates data visualization services with existing services at the Map and Data Library and UTL
8. Actively engages in conversations and forums around data visualization on a national and international basis

### **Required Qualifications**

1. ALA-accredited Master of Library Science degree (or equivalent)
2. Experience using data visualization tools such as D3.js, Tableau, Mathematica, and R.
3. Proven understanding of best practices for creating effective visualizations
4. Experience using statistical and Geographic Information Systems (GIS) software such as SAS, SPSS, R, ArcGIS, QGIS, etc.
5. Demonstrated knowledge of and experience with common quantitative research methodologies and descriptive statistics, including data analysis tools & techniques
6. Experience with data cleanup techniques and tools such as OpenRefine
7. Experience or knowledge of the academic research process
8. Experience or knowledge of principles of information literacy and how they can be applied in an academic setting
9. Demonstrated commitment to the provision of high-quality public service
10. Excellent analytical and problem-solving skills
11. Ability to work independently and effectively with technology in a fast-paced environment while managing competing priorities
12. Strong written and oral communication skills and the ability to develop clear, concise and accurate technical documentation
13. Ability to work cooperatively and collegially at all levels in a culturally diverse and rapidly changing environment

## Preferred Qualifications

1. One to three years of relevant academic library experience
2. Experience with scripting and programming languages such as Python, and JavaScript
3. Experience with qualitative research methods and software such as NVivo
4. Familiarity with survey design
5. Teaching and instruction experience
6. Knowledge of digital preservation and research data management best practices

## Salary and Terms of Appointment

This is a continuing appointment position to be filled at the Librarian I or II level. Rank and salary will be commensurate with experience and academic/professional qualifications.

**NOTE: Librarians at the University of Toronto are members of the University of Toronto Faculty Association.**

**Application Materials Required:** A cover letter, curriculum vitae, and contact information for three references of which at least two have supervised your work. Please send a **single** electronic file (MS Word or pdf) with a file name convention of [Surname, FirstName.DataVisLib] to Library Human Resources at [utlhr@utoronto.ca](mailto:utlhr@utoronto.ca); or to Room 1140, 130 St. George Street, University of Toronto Libraries, Toronto, Ontario M5S 1A5; or by fax to (416) 946-5543 by **Thursday September 15, 2016**.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.

The University of Toronto Libraries thanks all applicants but will only contact applicants selected for an interview.

**University of Toronto Library System:** <http://onesearch.library.utoronto.ca/>

**University of Toronto:** <http://www.hrandequity.utoronto.ca/site3.aspx>

**Policies for librarians:** <http://www.hrandequity.utoronto.ca/faculty-librarians.htm>