



**FACULTY OF ARTS & SCIENCE**  
**Teaching Assistant – CUPE 3902, Unit 1**  
**September 1, 2025 – December 31, 2025**

**STA313H1F L0201 - Data Visualization**

An introduction to data visualization and the use of visual and interactive representations of data to support human cognition. This course covers visualization techniques and algorithms based on principles from graphic design, perceptual psychology, cognitive science, and human-computer interaction. Topics include: graphic design, interaction, perception and cognition, communication, and ethics. Computational tutorials involve design review, implementation, and testing of information visualizations.

Delivery Mode: In-Person

**Qualifications**

**Required:**

- Strong programming skills in R with experience using advanced visualization libraries (e.g., ggplot2, Shiny, Plotly)
- Strong skills and experience with data visualization
- Familiarity with course topics such as perception, graphic design, visualization principles, and data-driven communication
- Previous teaching experience in interactive, problem-solving tutorials and labs
- Confident in assessing written reports, verbal presentations, and group projects
- Available to participate in training sessions throughout the term with the course instructor

**Preferred:**

- Experience with a range of visualization software/libraries such as Tableau, VegaLite, D3.js, etc...
- Previous teaching experience in related course(s) (e.g., STA313, JSC270/JSC370, STA2555, CSC2537, CSC318), and/or professional experience in the relevant subject matter.
- Successful completion in advanced related course(s) (e.g., STA313, STA2555, CSC2537, HAD5014, INF451)
- Familiarity with research methods in Human-Computer Interaction (HCI)

**Relevant Criterion**

Previous experience is the more relevant criterion than the need to acquire experience in respect of this posted position.

**Duties**

Duties are in person unless otherwise indicated and will include any or all of the following:

Preparation for classes, preparation of written or audio-visual materials, designing and maintaining course websites, attending lectures, running tutorial sessions, facilitating and evaluating student engagement on online discussion boards, participating in training sessions, meeting with the instructors, teaching, leading discussions, and supervising laboratories, rating students' work, holding office hours, consulting with students (including electronic consultation), writing and grading tests, examinations and lab sets, grading essays and term papers, invigilating midterm and final exams, setting up experiments, conducting field trips, and conferring with the supervisor in charge, as required by the employee's teaching duties.

*Duties of this position shall be performed on the St. George Campus.*



# Statistical Sciences UNIVERSITY OF TORONTO

**Instructor:** Michael Moon  
**Estimated Course Enrolment:** 120  
**Meeting Schedule:** **Lecture:** MO:15:00-17:00; FR:14:00-15:00 (tentative)  
**Tutorials:** N/A  
**Approximate Hours of Work:** 3 @ 80 hours  
**Approximate Number of Positions:** 3  
**Rate of Pay:** UG/SGS I/II - \$52.97/hour (+4% vacation pay)

## Application Process

Application information is available at <https://www.statistics.utoronto.ca/employment-opportunities/cupe-positions-unit-1>. The deadline to submit your application is **July 18, 2025**. For more information, you may contact:

### Angela Niazmand

Undergraduate and TA Administrator  
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The University strives to be an equitable and inclusive community, and proactively seeks to increase diversity among its community members. Our values regarding equity and diversity are linked with our unwavering commitment to excellence in the pursuit of our academic mission. The University is committed to the principles of the Accessibility for Ontarians with Disabilities Act (AODA). As such, we strive to make our recruitment, assessment and selection processes as accessible as possible and provide accommodations as required for applicants with disabilities. If you require any accommodations at any point during the application and hiring process, please contact [uoft.careers@utoronto.ca](mailto:uoft.careers@utoronto.ca). During employment, to request accommodation from the University, contact the supervisor or department chair and/or Health & Wellbeing Programs & Services at [hwb@utoronto.ca](mailto:hwb@utoronto.ca). For more information about accommodations at U of T, please visit our Accommodation webpage.

The hiring criteria for Teaching Assistant positions are academic qualifications, the need to acquire experience, previous experience and previous satisfactory employment under the provisions of this Collective Agreement.

Candidates who are members of Indigenous, Black, racialized and 2SLGBTQ+ communities, persons with disabilities, and other equity seeking groups are encouraged to apply, and their lived experience shall be taken into consideration as applicable to the position.

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, 2SLGBTQ+ persons, and others who may contribute to the further diversification of ideas.

This job is posted in accordance with the CUPE 3902 Unit 1 Collective Agreement.

The position(s) posted above is (are) tentative, pending final course determinations and enrolments.

## FACULTY OF ARTS & SCIENCE

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## Statistical Sciences UNIVERSITY OF TORONTO

Positions posted here are open to Graduate Students in the School of Graduate Studies, Postdoctoral Fellows and Undergraduate Students in the University of Toronto.

Preference in hiring shall be given to Graduate Students enrolled in the School of Graduate Studies of the University of Toronto or those who have made application to be enrolled in the School of Graduate Studies of the University of Toronto.

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