



**Regular Posting**

**FACULTY OF ARTS & SCIENCE**  
**Course Instructor – CUPE 3902, Unit 1**  
**July 1, 2024 to August 31, 2024**

**STA314H1S L0101 – Statistical Methods for Machine Learning I**

Statistical methods for supervised and unsupervised learning from data: training error, test error and cross-validation; classification, regression, and logistic regression; principal components analysis; stochastic gradient descent; decision trees and random forests; k-means clustering and nearest neighbour methods. Computational tutorials will support the efficient application of these methods.

Delivery Mode: In Person

**Qualifications**

- Academic background in Statistical Sciences
- PhD student (or graduate) in actuarial science, statistics, or biostatistics
- Prior experience teaching at the university level
- Prior experience teaching STA314H1 or a similar course is an asset

*Note: Applicants may be asked to supply references.*

**Relevant Criterion**

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

**Duties**

Teaching; setting and invigilating term tests and final examinations; reporting final grades; counseling students; supervising teaching assistant(s).

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

<b>Estimated Course Enrolment:</b>	100 Students
<b>Estimated TA Support</b>	200 Hours
<b>Meeting Schedule:</b>	<b>Lectures:</b> Friday 14:00 - 17:00 <b>Tutorials:</b> Friday 13:00– 14:00 (2 Tutorials x 50 Cap)
<b>Salary:</b>	\$8,142.51 (plus vacation pay)

**Application Process**

Application information is available at <https://www.statistics.utoronto.ca/employment-opportunities/cupe-positions-unit-1>. Applicants should submit a cover letter, C.V. (including previous teaching evaluations (if applicable)), and two references by **April 3, 2024**. Applications should be sent to:

**Angela Niazmand**  
Department of Statistical Sciences  
700 University Avenue  
Room 9160-6  
Toronto, Ontario, M5G 1Z5  
E-mail: [jobapps.statistics@utoronto.ca](mailto:jobapps.statistics@utoronto.ca)



# Statistical Sciences UNIVERSITY OF TORONTO

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 an 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 Course Instructor positions are academic qualifications, the need to acquire experience, previous teaching experience, and previous satisfactory employment under the provisions of this Collective Agreement.

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, LGBTQ2S+ persons, and others who may contribute to the further diversification of ideas.

Candidates who are members of Indigenous, Black, racialized and LGBTQ2S+ 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.

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.

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