



Posted on March 13, 2024

Regular Posting

FACULTY OF ARTS & SCIENCE
Teaching Assistant – CUPE 3902, Unit 1
July 1, 2024 – 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

Required:

- Foundations and experience in performing regression and classification methods, such as linear regression and logistic regression
- Must demonstrate to have successfully completed courses in linear algebra and multivariate calculus
- Experienced in performing statistical analyses in R and/or Python

Preferred:

- Previous teaching experience in STA314 or similar
- Experienced in providing constructive written feedback
- Experienced in using R Markdown and/or LaTeX
- Good oral communication skills

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.

Instructor:	TBA
Estimated Course Enrolment:	100 Students
Meeting Schedule:	Lectures: FR 14:00 - 17:00 (tentative) Tutorials: FR: 13:00 - 14:00 (2 Tutorials x 50 Cap) (tentative)
Approximate Number of TA Hours:	100 hrs (per position)
Approximate Number of Positions:	2
Rate of Pay:	UG/SGS I/II - \$47.64/hour (+4% vacation pay)



Statistical Sciences UNIVERSITY OF TORONTO

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 **April 4, 2024**. For more information, you may contact:

Angela Niazmand

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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. During employment, to request accommodation from the University, contact the supervisor or department chair and/or Health & Wellbeing Programs & Services at 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 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.

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.

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 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.

FACULTY OF ARTS & SCIENCE

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