FACULTY OF ARTS & SCIENCE  
Course Instructor – CUPE 3902, Unit 1  
January 1, 2020 – April 30, 2020

STA414H1/STA2104H S L5101 – Statistical Methods for Machine Learning II
Probabilistic foundations of supervised and unsupervised learning methods such as naive Bayes, mixture models, and logistic regression. Gradient-based fitting of composite models including neural nets. Exact inference, stochastic variational inference, and Markov chain Monte Carlo. Variational autoencoders and generative adversarial networks.

Qualifications
A Master’s or PhD (in progress) degree in Statistics, Applied Statistics, Actuarial Science, Biostatistics or related discipline. Prior experience teaching at the university level. Prior experience teaching a similar course an asset. Note: Applicants are asked to supply references.

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

Estimated Course Enrolment: 140
Class Schedule: Tuesdays, 7PM-10PM
Approximate Number of TA Hours: 140 hours
Salary: $8,219.16 (including 4% vacation pay)

Final availability of the position(s) is contingent upon enrolment, budgetary consideration and the determination of appointments as governed by the collective agreement.

Application Process
Application information is available at [https://www.statistics.utoronto.ca/employment-opportunities/cupe-positions-unit-1](https://www.statistics.utoronto.ca/employment-opportunities/cupe-positions-unit-1). Please submit a cover letter, C.V. (including previous teaching evaluations (if applicable)), and the names of two references by July 19, 2019. Please submit completed application packages to:

Priya Sivathason  
Sidney Smith Hall, Room SS 6025  
100 St. George Street  
Toronto, Ontario M5S 3G3  
E-mail: job-apps@utstat.utoronto.ca

If during the application and/or selection process you require accommodation due to a disability, please contact job-apps@utstat.utoronto.ca.

This job is posted in accordance with the CUPE 3902 Unit 1 Collective Agreement. The Departmental Hiring Policy is available in the Department office and in the CUPE Local 3902 office. 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. Note: Although a graduate student’s preference as to the campus location of his/her TA appointment will be taken into account, both the initial TA appointment (or CI appointment) and the subsequent appointment obligation related to that appointment may be met through position(s) on any one of the three University of Toronto campuses (UTM, UTSC or St. George) in courses in the same discipline as the initial appointment. TAs will only be assigned to courses in fields in which they are or should be qualified to assist. Duties of this position shall be performed at the campus on which the position is located. Where the duties are intended to be performed at another location, such other location will be specified in the posting.