STA414H1S/STA2104H L0101 and 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
Academic background in Statistical Sciences. PhD student (or graduate) in actuarial science, statistics or biostatistics.

Duties
Any or all of the following: grading term tests, invigilating term tests and final exams, grading homework and/or quizzes, setting tutorial quizzes.

Instructor: David Duvenaud
Estimated Course Enrolment: 160 students
Class Schedule: Section L0101: Mondays 2 PM - 5 PM; Section L5101: Tuesdays 7 - 10 AM
Approximate Number of TA Hours: 90 hours (each)
Approximate Number of Positions: 2
Rate of Pay: SGS I, SGS II, and Undergraduate rate $45.33/hour in accordance with the CUPE, Local 3902 Unit 1, Collective Agreement

Application Process
Please submit an application form and CV by July 23, 2018. The application is available online at: http://utstat.toronto.edu/?page_id=1208. Please submit completed application forms to job-apps@utstat.utoronto.ca, or to:

Priya Sivathason
Sidney Smith Hall, Room SS 6025
100 St. George Street
Toronto, ON M5S 3G3
Email: 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 visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, 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.