Exploratory Data Analysis, Clustering, and Subtype Discovery

By Dr. Jennifer G. Dy

In many applications, data is often complex, high-dimensional and multi-faceted, where multiple possible interpretations are inherent in the data. In this talk, solutions for each of these challenges are provided. Moreover, the speaker’s work on disease subtyping is presented and she demonstrates how this challenging complex domain led to innovations in machine learning.

Jennifer G. Dy is a professor at the Department of Electrical and Computer Engineering, Northeastern University. Her research spans both fundamental research in machine learning and data mining and their application to biomedical imaging, health, science and engineering, with research contributions in clustering, multiple clustering, dimensionality reduction, feature selection and sparse methods, large margin classifiers, learning from crowds and Bayesian nonparametric models.

Monday Nov. 2,
1:30-2:30 PM
Integrated Science Complex,
2nd Floor, Conference Room 2003

Refreshments will be served!