Speaker: Percy Liang, Stanford University

Title: Learning Semantic Parsers

Abstract:
Natural language is unstructured. A semantic parser maps these unstructured objects into structured logical forms (e.g., a database query), which can be "executed" to produce an answer. In this talk, I will present an algorithm for learning a semantic parser without any examples of logical forms, but instead using weakly-supervised data. I will discuss some of the statistical and computational challenges associated with this learning setting, and show empirical results on the task of question answering.