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DEPARTMENT OF STATISTICS AND BIostatISTICS
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Seminar

Speaker: **Professor Anand Sarwate**
Department of Electrical and Computer Engineering
Rutgers University

Title: **Algorithms for differentially private learning**

Time: **3:20 – 4:20pm, Wednesday, April 22, 2015**

Place: **552 Hill Center**

Abstract

Many statistical analyses are performed on sensitive or private data. A canonical example are healthcare studies, which are often very expensive and have small. Collaborative research which performs pooled analyses is often difficult due to legal and ethical constraints on sharing “raw” data. Differential privacy has emerged as a promising framework for understanding privacy risk from data disclosures – algorithms which are differentially private provide a bound on ease of identifying individual data points from the sample based on the output. In this talk I will discuss several simple algorithmic approaches for basic statistical learning under differential privacy with an eye towards enabling distributed private learning.

**** Refreshments will be served @2:50pm in Room 502 Hill Center ****