



The University of Chicago

Department of Statistics

Seminar Series

---

**DAVID SCOTT**

Department of Statistics

Rice University

**“Remarks on Mixtures and Kernels for Density-Based Clustering”**

**MONDAY October 3, 2005 at 4:00 PM**  
**133 Eckhart Hall, 5734 S. University Avenue**  
*Refreshments following the seminar in Eckhart 110.*

### **ABSTRACT**

Mixture modeling provides an effective framework for complex, high-dimensional data. The estimated components provide natural clusters. Likewise, kernel densities may be used to define clusters through modal information. The advantages and disadvantages of each are examined, and research opportunities explored.