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## **Frequentist and Bayesian Inference of Generalized Mixed Effects: Application to Small Area Estimation**

Mixed models are widely used for analyzing clustered data. For example, they are often applied to epidemiology, medicine, econometrics and sample surveys. Prediction is usually the main goal of such analyses, and mean squared prediction error is the main way in which prediction performance is measured. In this talk we will discuss frequentist and Bayesian solution of mean squared prediction error estimation under generalized mixed models along with some applications.

**Friday, November 13, 2009 at  
11:30 am in B760 EH**

**Coffee and Cookies will be  
served at 11:15 am in the  
Statistics Lounge, 450 West Hall**