

Time: Wednesday May 4th, 2011 2:30pm

Location: Buchanan A203

Random Mean Models

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Generalized Linear Mixed Effects Model (GLMM) assumes that all the correlation can be modeled by the random effects. It is likely that other sources of correlation may be present, for example, time series correlation. The random mean models not only offer natural heterogeneity across subjects about also facilitates the freedom of specifying the variance-covariance structure for responses of the same or mixed types. We discuss a Monte Carlo EM (MCEM) algorithm that uses rejection or importance sampling techniques. Finally, we will illustrate the model using data on burn injuries and epileptic seizures study.