

MCMC Methods for Correlated Binary Data

J.N.K. Rao

`jrao@math.carleton.ca`

School of Mathematics and Statistics

Carleton University

1125 Colonel By Drive

Ottawa, Ontario K1S 5B6

Canada

Abstract

Use of MCMC methods for inference under logistic linear mixed models for correlated binary data will be illustrated. Extensions to correlated bivariate binary data as well as familial or longitudinal survey data will be indicated.