Mathematics Colloquium "Nelder Memorial Lecture"

Professor Peter McCullagh FRS (University of Chicago) on: "Some issues connected with likelihood and REML" Thursday, March 8th 2012, 5-6pm LT 308 Computing Department, Huxley Building



Abstract:

Residual likelihood and residual maximum likelihood estimation have been found to be very useful for variance-components estimation in linear models, particularly for models having more than one variance component.

The talk is concerned with marginal likelihood in general and with REML for the computation of likelihood-ratio statistics.

Can REML be used for testing the significance of a treatment effect?

Can REML be combined with the Box-Cox technique for testing the appropriateness of various transformations?

Reception afterwards in the Huxley Common Room , Level 5, Huxley Building.