The University of Chicago

Department of Statistics

Seminar

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"Estimation and Adaptive Designs"

Monday, January 20, 2003 at 4:00 PM
133 Eckhart Hall, 5734 S. University Avenue

ABSTRACT

Adaptive designs, which allow current allocations of observations to depend on data already collected, have been proposed for (and used in) clinical trials and industrial experiments. In this talk I will investigate the effect of the design on the dependence structure of the data, and use the results of the investigation to give simple proofs of consistency and asymptotic normality of estimators from a wide variety of adaptive designs. If time permits, I will also investigate the performance of confidence intervals for the difference of two proportions after adaptive and non-adaptive designs.

12/16/02