The University of Mississippi
Department of Mathematics

Statistics Seminar

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Local Linear Regression with Censored Data

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1:00 P.M.
Hume 331

Abstract: We propose a self-consistency based method to conduct local linear estimation of mean functions for general regression models with censored data. Self-consistent estimation techniques are frequently used to obtain consistent estimation of survival functions when data are censored. Such techniques have also been proven useful for estimation of linear regression parameters in censored setting. We extend such methods to local linear estimation of the regression functions for nonparametric models. The bandwidth will be selected adaptively according to the data. Simulation studies are conducted. Some basic asymptotic results are also obtained.
This work was done jointly with Dr. K. Kulasekera, Clemson University

Faculty, staff and students are welcome to attend