

GRADUATE SEMINAR

Yun Peng

Semiparametric Maximum Likelihood in Two-stage Studies

PhD Student supervised by Yang Zhao

Tuesday, March 28

12:30-1:30PM

Math Lounge (CW 307.20)

Abstract Most statistical analysis in practice exclude the observations with missing variable values. This brings the potential risk to lose information in the incomplete case (that of the observations with missing values) and ignore the possible systematic error between incomplete case and complete cases. Two-stage studies provide an approach on extending semiparametric maximum likelihood(SPML) method with EM algorithm for the problems on missing either covariates or responses. In the seminar I will introduce the model of two-stage study with simulation outcomes to show the high efficiency on SPML.

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