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Using binary paradata to correct for measurement error in survey data analysis

Surveys are generating increasing amounts of unit-level paradata relating to data quality. This talk focusses on paradata relating to measurement error and, specifically, on binary variables which indicate the presence of measurement error and how to use such information in regression analysis. After discussion of model specification and identification issues, pseudo likelihood and fractional imputation approaches to estimation are considered. An application to data from the British Household Panel Survey with measurement error in earnings will be discussed.