Title: Recent Advances in Handling Nonignorable Nonresponse

Date/Time: April 16, 2018 2:00 – 3:30 PM (ET)

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Sponsor: WSS Methodology

Abstract: Nonignorable nonresponse presents a great challenge in statistical analysis since the nonresponse mechanism/propensity depends on missing data and it is often not identifiable without any further assumption or information about the population distribution and/or nonresponse propensity. In this presentation we introduce some recent developments in dealing with nonignorable nonresponse, including the use of nonresponse instrument in identifying the unknown population, the semiparametric pseudo likelihood estimation, and the parametric or semiparametric propensity approach. We also show some results on the selection of a parametric model or the determination of nonresponse instrumental variables, which is difficult and previously thought to be impossible because of the nonignorable nonresponse.

Location: Bureau of Labor Statistics Conference Center, Rooms 7 & 8

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