

JPSM/MPSM

Survey Methodology Seminar Series

A Modeler's View on Total Survey Error

ROD LITTLE

Presenter

Research Professor, ISR; Richard Remington Collegiate Professor of Biostatistics,
School of Public Health; Professor of Statistics, LS&A

Monday, April 8, 2013

12:10-1:00pm

Speaker will be at the University of Michigan
Video Room 368 - ISR South Basement
Room 2208 LeFrak Hall– Maryland

Abstract

Total survey error provides a useful theoretical framework for combining sampling error and nonsampling error, but decompositions of mean squared error are limited in terms of practice, since modeling assumptions are needed to estimate the error components. I provide a modeler's perspective on total survey error, and illustrate it by describing some recent work on multiple imputation to address response error using calibration samples. The setting of the illustration is epidemiology, but the ideas have clear application to sample survey settings.

The Survey Methodology Program hosts this series of brown bag seminars on survey methods. The purpose is to have informal presentation and discussion of topics in survey methodology. They are open to anyone interested. If you would like more information, or if you have suggestions for methodological topics you would like to see presented, please contact: Jodi Holbrook at 647-3592