

Survey Weighting: Everything from Basic Concepts to Advanced Applications

Date: August 9, 2019 (13:30 – 17:30)

Instructor: Brady T. West (bwest@umich.edu, <http://www.umich.edu/~bwest>)

This half-day workshop will provide participants with a variety of practical information about survey weighting. The workshop will begin with a discussion of the basics regarding the construction of survey weights, for both probability and non-probability samples, and the development of replicate weights for variance estimation. Issues related to the appropriate use of weights in survey analysis, such as the loss of efficiency in survey estimates when weights are not informative and whether to use weights in regression analysis, will also receive heavy focus. The workshop will then turn to best practices for the construction and application of survey weights in more advanced settings, including dual-frame designs, panel studies (where attrition can become a serious issue), and multilevel modeling.

Topics will include:

- Construction of survey weights to account for all aspects of a sample design
- Adjusting weights for survey nonresponse
- Using weights appropriately in survey data analysis
- Whether to use weights in regression modeling
- Development of weights for dual-frame designs, panel studies, and multilevel modeling

Participants will be provided with materials and a bibliography, and there will be time for a question and answer session.