Survey Statistics and Survey Sampling: Challenges and Opportunities

Guest Editor:

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Message from the Guest Editor

Survey sampling is a primary technique to generate official statistics. Statisticians attempt to collect samples that are representative of the population in question. However, nonresponse is inevitable. Statistical models, such as those for nonresponse adjustment and for small area estimation, are important components of survey statistics. As a result, the overlap between survey sampling and other areas of statistics has increased, and the mutual dependence makes it important that survey sampling be an integral part of statistics. The recent increase in data collection costs and nonresponse rates challenges the application of probability sample surveys. Necessary precautions are taken to reduce sampling and measurement errors.

The Special Issue aims to publish scientific advances in the field of survey statistics, survey sampling theory and methods. Potential topics include, but are not limited to, the following:

- Probability sampling methods;
- Non-probability sampling methods;
- Nonresponse bias adjustment;
- The use of administrative data;
- Combining multiple data sources;
- Small area estimation;
- Missing data methods;
- Bayesian survey estimation;
- Respondent-drive sampling.

Special Issue

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Message from the Editor-in-Chief

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