Abstract

The problems of multivariate sampling arising in the areas of stratified random sampling, two stage sampling, double sampling and response errors formulate as multiobjective convex programming problems with convex objective functions and a single linear constraint with some upper and lower bounds.
Some Multi Convex Programming Problems Arising in Multivariate Sampling


- Optimum Allocation in Two-stage and Stratified Two-stage Sampling for Multivariate Surveys by M. G. M. Khan, Munish A. Chand, and Nesar Ahmad School of Computing, Information and Mathematical Sciences Faculty of Science and Technology, The University of the South Pacific Suva, Fiji, 2006.


Index Terms

Computer Science

Applied Mathematics

Keywords

- Multivariate Sampling
- Stratified sampling
- Multiobjective convex programming
- Optimization
- Linear Programming