

COURSE TITLE

Business Survey Design

DURATION

2 days

INSTRUCTOR 1

Wesley Yung, Assistant Director, Statistics Canada, CANADA



BIOGRAPHICAL SKETCH

Wesley Yung obtained his Ph.D in Statistics in 1996 at Carleton University and is currently an Assistant Director in the Business Survey Methods Division of Statistics Canada. Areas under his supervision include the Tax Data and annual and sub-annual business survey programs. He has over 15 years experience with business surveys at Statistics Canada. During this period, he has been involved in many aspects of business surveys such as frame development, stratification, allocation, edit, imputation and estimation. More recently, he has been heavily involved in integrating administrative data into the Business Statistics program at Statistics Canada.

INSTRUCTOR 2

Jean-François Beaumont, Chief Research, Statistics Canada, Canada



BIOGRAPHICAL SKETCH

Jean-François Beaumont is a Chief in the Statistical Research and Innovation Division at Statistics Canada. He has been working in the Agency for the last 16 years and has been instrumental in the development of SEVANI, the System for the Estimation of Variance due to Nonresponse and Imputation. He has given courses on nonresponse and imputation in a number of occasions in different countries. Jean-François has also authored several papers on imputation in scientific journals. His other current research interests and activities include: nonresponse weighting, bootstrap variance estimation and inference, outlier-robust estimation and weighting approaches to finite population inference.

COURSE DESCRIPTION

Business surveys are important sources of information for producing key economic indicators that monitor the economy over time and for constructing official statistics such as national accounts. While business surveys typically use simple sample designs, they are not without their methodological challenges.

These include dealing with:

- Business populations that are highly skewed with a small number of large units and many small units.
- Business populations can be very unstable with respect to births, deaths and changes of classification.
- The quality and subsequent use of administrative and historical data in stratification, editing, imputation and estimation

SYLLABUS

This workshop will describe methods for designing business surveys. It will cover topics including:

- Building and maintaining a Business Register
- Sample design
- Data collection
- Outlier detection and treatment
- Imputing for total and/or partial non-response
- Weighting and estimation
- Use of administrative data.

TARGET AUDIENCE

Methodologists who are developing Business Surveys in National Statistical Agencies.