

INTRODUCTION TO SAS

January 2012

COURSE OUTLINE

Trainer:

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Email:

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Schedule:

January 20, 2012, from 10:00 am to 4:30 pm

Location:

QICSS office, 3535 Queen-Mary Road, Suite 420, Montreal.

Objective and coverage

The objective of the course is to familiarize the participants with the working knowledge of SAS by introducing the basic programming skill of SAS at an introductory level. By the end of the session, participants of the training session are expected to be able to manipulate data and generate basic statistics using SAS. The training will take place in the computer laboratory at Quebec Inter-university Centre for Social Statistics of University of Montreal Campus. All participants will be required to practice exercises using public micro-level survey data (Canadian Census 2001) with the help of the trainer.

Tentative plan

Morning:

- SAS environment:
 - 1 Working window and SAS structure
 - 2 SAS language (syntax and functions)
 - 3 SAS “Logs”

- SAS data I:

- 1 Variables
 - 2 Data step
 - 3 Read in data set (in different formats)
 - 4 Save data set (in different formats)
- SAS data II:
 - 1 Sub-setting data sets
 - 2 Merging data sets

Afternoon:

- SAS procedures:
 - 1 Proc sort
 - 2 Proc means
 - 3 Proc freq
 - 4 Proc univariate
- Data analysis:
 - 1 Regression
 - 2 SAS/IML