

INTRODUCTION TO STATA

January 2012

COURSE OUTLINE

Trainer:

Xingfei Liu, LTA, PhD Candidate, Department of Economics, Concordia University

Email:

xingliu@alcor.concordia.ca

Schedule:

January 27, 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 training is to familiarize the participants with the working environment of STATA by introducing the basic functions of STATA in social science analysis at an introductory level. By the end of the session, participants can expect to be able to manipulate data and generate basic statistics by programming in STATA. The training will take place in the computer laboratory at Quebec Inter-university Centre for Social Statistics of University of Montreal Campus. All the participants will be expected to finish exercises using public micro-level survey data (Canadian Census 2001) with the trainer.

Tentative plan

Morning:

- STATA environment:
 - 1 Working window and STATA file
 - 2 STATA “do-file” and “do-file” editor
 - 3 STATA “Logs”

- Talking to STATA:

- 1 Interactive mode
 - 2 Batch mode
- Using STATA:
 - 1 Sytax and commands
 - 2 Read and save a data file
 - 3 To see the variables

Afternoon:

- Data manipulation:
 - 1 "if" sytax
 - 2 Create new variables
 - 3 Select and sort variables
 - 4 Merge and append
 - 5 Descriptive statistics
- Data analysis:
 - 1 Correlation
 - 2 Regression
 - 3