

Public Health Training Camp 2019

Workshop on

“Introduction to Stata”

Facilitators

Assistant Prof. Mizanur Rahman (The University of Tokyo, Japan)

Jenny Jung (Yale University, USA)

Md. Shafiur Rahman (The University of Tokyo, Japan)

Host: Global Public Health Research Foundation

Venue: Uttara (Sector-10), Dhaka

Duration: 2 days (19-20 February 2019)

Time: 10:00-17:00

Registration deadline: **January 31, 2019**

Online Registration Form: <https://goo.gl/forms/hbjBgwFqIG5XBtMM2>

Contents

Day 1: Data management in Stata

- a. Overview of Stata: Graphical User Interface, type of files, basic command syntax
- b. Enter and edit data, import and export data,
- c. Transform, recode and compute variables, labelling variables
- d. Operators in Stata, IF, for loop and other condition
- e. Practical exercises

Day 2: Advanced data management and analysis in Stata

- a. Append and merge datasets, collapsing and reshaping datasets
- b. Working with String and Date
- c. Data visualization (histogram, bar diagram, scatter plot, line graph)

- d. Descriptive statistics, cross tabulation, correlation and regression
- e. Practical exercises

NB: Participants are required to bring a laptop to class, with Stata version 11 or higher installed.

Description

This Stata course over two days will introduce data management, data visualization and basic statistical analysis in Stata. The course requires no prior experience with Stata and would be suitable for beginners or participants wanting to refresh the core concepts. Stata is an interactive data management program and also used for the statistical analysis by statisticians, epidemiologists, economists, demographers and by researchers from most disciplines. The objective of the course is to provide training on how to use Stata to produce a clean, complete, dataset ready for analysis.

The course will start with an introduction to Stata using the Graphical User Interface and then work using command syntax. The course will introduce Stata syntax and procedures to manage data. The course will also cover data visualizations and statistical analysis with several practical sessions. Commands for creating new variables and for modifying existing variables will also be covered. Through hand-on training, participants will be familiar with the ways to import data from different formats to Stata, export Stata to other formats, and combine several datasets. Moreover, the course will cover data visualization (e.g., histogram, bar diagram, pie-chart, scatter plot, line graph etc.) and basic analyses including descriptive statistics, correlation and regression. Notes and example datasets will be provided.

Learning Objectives

Upon successfully completing this course, participants will be able to:

1. Manage large dataset for analysis
2. Learn how to write Stata command/syntax and save them in a do file
3. Use Stata to import and export data
4. Use Stata to compute, transform, recode and label variables

5. Write Stata syntax efficiently with the use of different conditions such as For, IF conditions
6. Use Stata to manage dates and times related data
7. Use Stata to visualize continuous and categorical data
8. Use Stata to assess the correlation and fit linear regression models

Course fee

BDT 2,500 for students and BDT 4,000 for professionals and others (including lunch and snacks).

Please call to Administrative Officer of GPHRF before making a payment (01797-438889). Course fee is non-refundable.

Contact



Global Public Health Research Foundation

House# 30 (3rd floor), Road# 12, Sector# 10,
Uttara, Dhaka-1230

Email: training@gphrf.org

Phone: (+88) 02 5509 2268

Mobile: (+88) 01797 438889