

**MAIN DEGREE OR QUALIFICATIONS, DIPLOMAS AND CERTIFICATES HELD**

Approximate Dates	Educational Institution
1 _____	_____
2 _____	_____

**MOST RECENT EMPLOYMENT (ATTACH A SEPARATE SHEET IF REQUIRED)**

Employer \_\_\_\_\_  
 Position held \_\_\_\_\_  
 Dates of employment \_\_\_\_\_  
 Please describe briefly the work involved \_\_\_\_\_  
 \_\_\_\_\_

**WHAT DO YOU HOPE TO LEARN FROM ATTENDING THIS COURSE?**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**PLEASE DESCRIBE YOUR LEVEL OF STATA KNOWLEDGE**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**INTENDED SOURCE OF FUNDING**

Self Financing       Sponsor

If being sponsored please send a letter of confirmation from your sponsor no later than 1 October 2011.

**Declaration and signature of candidate seeking admission:**

I declare that the information given on this application form is correct. I have read and understood the arrangements for payment of tuition fees to which arrangements I will adhere. I confirm that if admitted and while in attendance at the School I will follow the instructions given to me by the course organisers and the authorities of the School. I understand that the School may cancel courses two weeks before the start date if numbers prove insufficient and in those circumstances course fees will be refunded.

Signed \_\_\_\_\_ Date \_\_\_\_/\_\_\_\_/\_\_\_\_

**Course Fees:**

If the course fee is to be paid on the candidate's behalf, please send a letter from the sponsors to confirm this no later than 1 October 2011. Otherwise the applicant will be held responsible for payment. **Fees are payable in advance by 1 October 2011** and attendance on a course may not begin until fees are fully paid. Cancellation of attendance on a course may lead to loss of all or part of the fee.

Applications should be sent, with a CV, to: Registry, London School of Hygiene & Tropical Medicine, Keppel Street, London WC1E 7HT, UK. Tel: +44 20 7299 4648 Fax: +44 20 7299 4656 Email: [shortcourses@lshtm.ac.uk](mailto:shortcourses@lshtm.ac.uk) Web: [www.lshtm.ac.uk](http://www.lshtm.ac.uk)

The London School of Hygiene & Tropical Medicine (LSHTM) has an internationally excellent reputation in public health and tropical medicine, is a leading postgraduate medical institution in Europe and is Britain's national school of public health. It is a major national and international focus of collaboration in teaching and research, where clinical, population, laboratory and social sciences are integrated to address the broad issues of health. Associated with the School as a teaching hospital is the Hospital for Tropical Diseases.

Courses take place either in the Keppel Street building, or in our teaching rooms at Bedford Square, two minutes walk away. The School is situated in the heart of London, in Bloomsbury, between the City (London's financial quarter) and the busy West End, with its unparalleled shopping and entertainment facilities. There is easy access to the rest of central London and its many places of interest.

**Applications**

Applicants should complete the application form attached or download it from the School's website, and return it as soon as possible to:

Registry  
 London School of Hygiene & Tropical Medicine  
 Keppel Street  
 London WC1E 7HT  
 UNITED KINGDOM

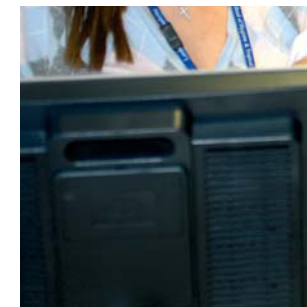
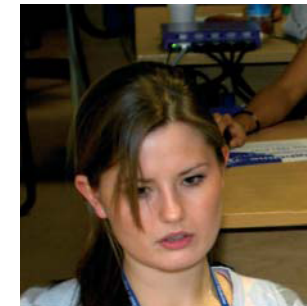
Telephone: +44 (0)20 7299 4658  
 Fax: +44 (0)20 7299 4656  
 Email: [shortcourses@lshtm.ac.uk](mailto:shortcourses@lshtm.ac.uk)  
 Website: [www.lshtm.ac.uk/prospectus/short](http://www.lshtm.ac.uk/prospectus/short)

Those requiring further information about the course should contact Course Organisers, Milly Marston and Emma Slaymaker:

Telephone: +44 (0)20 7299 4614  
 Email: [stata\\_short\\_course@lshtm.ac.uk](mailto:stata_short_course@lshtm.ac.uk)



LONDON  
SCHOOL of  
HYGIENE  
& TROPICAL  
MEDICINE



ADVANCED STATA: PROGRAMMING  
AND OTHER TECHNIQUES TO MAKE  
YOUR LIFE EASIER

**SHORT COURSE**

**7-11 November 2011**

The Mission of the London School of Hygiene & Tropical Medicine is to contribute to the improvement of health world-wide through the pursuit of excellence in research, postgraduate teaching and advanced training in national and international public health and tropical medicine, and through informing policy and practice in these areas.

# Advanced Stata: Programming and other techniques to make your life easier

FURTHER INFORMATION: [www.lshtm.ac.uk/prospectus/short](http://www.lshtm.ac.uk/prospectus/short)

## Course Outline

The course will be held in central London at the London School of Hygiene & Tropical Medicine and will run from **7-11 November 2011**.

The aim of the course is to teach competent Stata users the techniques that allow you to get the most out of Stata and speed up the output of your work.

The course is aimed at researchers and other professionals, from any discipline, who regularly use Stata for analysis but want to learn how to work more efficiently. It would be particularly suited to those who are about to embark on large analyses and who would like a quick guide on how to automate the repetitive parts of the process.

The course is taught by research staff from the Centre for Population Studies. The examples used in the course are drawn from the background of the tutors and are, therefore, from the population and health sciences. However, none require any specialist knowledge of the field.

We use Stata 11 in a Windows environment; users of other operating systems should note that, although almost everything is the same, there are some differences between operating systems and these are not covered in the course.

## Who Should Attend?

The course is designed for people who want to be more efficient in their use of Stata. Those who are already experienced in using Stata for data analysis will benefit most from the course. As a minimum, you should be able to use Stata for an analysis of some sort (linear regression, for example) and be comfortable writing comprehensive do files.

## Course Content

The course can be divided broadly into three sections:

- **Data handling and manipulation**
  - commands needed to combine data from different datasets (appending and merging) and to rearrange data from wide format to long format
  - searching for duplicate records, and managing these, reordering the variables in the dataset, generating summary variables and summary datasets
- **Accessing and outputting results**
  - outputting well formatted, concise and relevant results from Stata
- **Programming Stata**
  - automated data cleaning and data management

If you are already familiar with the merge, collapse, reshape and append commands, have used foreach or forvalues loops and can understand a simple Stata program, then this course may be too basic for you. If, on the other hand, none of that sounds familiar, then this could be exactly what you need.

If you have any doubt about whether the course would be suitable for you, please do get in touch with the organisers who will be able to advise you further.

Applicants should have a good command of English.

## Methods of Assessment

None. There will be an opportunity on the last afternoon for students to practice with their own datasets. A certificate of attendance will be provided on completion of the course.

## Course Fee

The fee for the course is **£1,000** which includes instruction and refreshments, it does not include lunch, accommodation or travel. **The full fee must be paid by 1 October 2011.**

## Accommodation & Meals

The School cannot provide accommodation for participants. A list of hotels and other accommodation located in the vicinity of the School can be provided on request to Registry.

Lunch can be purchased from the School refectory. Evening meals are not catered for at the School, but there is a large choice of restaurants and coffee shops nearby.

## Aim & Objectives

By the end of the course you should be able to:

- Generate variables that contain summaries of the data
- Create a summary dataset using collapse
- Navigate a dataset using `_n`, `_N` and subscripted variables.
- Rearrange a dataset using reshape
- Combine multiple datasets using merge and append
- Identify duplicate observations
- Export data to a spreadsheet
- Create tailor-made publication quality graphs
- Understand what macros and scalars are
- Be able to use foreach and forvalues loops
- Understand and use if statements
- Understand how Stata stores estimation results
- Be able to access and use stored estimation results
- Know how to export results using user-written commands: estout, outreg, tabout
- Understand how Stata programs work
- Be able to write and use a simple Stata program
- Be able to write a do-file which exports results using file write

## APPLICATION FORM

**Advanced Stata:  
Programming and other techniques to make  
your life easier**



### PLEASE USE BLOCK CAPITALS

Surname or Family name: \_\_\_\_\_

Forename(s): \_\_\_\_\_

Title: (Dr/Mr/Mrs etc) \_\_\_\_\_ Male  Female

Date of Birth: \_\_\_\_\_

Nationality: \_\_\_\_\_

Country of Birth: \_\_\_\_\_

Country of normal residence: \_\_\_\_\_

Address for correspondence: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Postcode: \_\_\_\_\_

Daytime Telephone No: \_\_\_\_\_

Mobile No: \_\_\_\_\_

Fax No: \_\_\_\_\_

Email address: \_\_\_\_\_

How and where did you hear about the School and the course to which you have applied?

Advertisement in \_\_\_\_\_

Friend or Colleague  Email list  Employer

From an ex-student of the School

Website / email list \_\_\_\_\_

Conference or Fair (name/location) \_\_\_\_\_

Other, please give details \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**If you have any medical condition, physical or other disability of which the School should be aware or which might call for special arrangements or facilities, you should attach a confidential letter with your application form.**