

ANNOUNCEMENT

MULTI-VARIABLE STATISTICS COURSE USING STATA 12

Dates: 20th – 31st August, 2012

Venue: University of Nairobi, Institute of Tropical and Infectious Diseases (UNITID), College of Health Sciences, Nairobi, Kenya.

Background:

Researchers are obliged to publish their findings so as to advance knowledge on their research topics and to ameliorate their chances of attracting more funding to their research activities. The ability to conduct proper statistical analysis of research data is crucial for publication of such data. Within epidemiological research, there is often a need to employ multi-variable statistical methods to explore possible confounding and effect modification. This course seeks to provide participants with the practical ability to conduct such analyses.

Goal:

The course seeks to provide participants with the basic knowledge and practical ability to select proper statistical tests for given situations, to conduct the analyses and in particular to interpret and present the results. Basic statistical tests will be briefly presented but emphasis will be on multi-variable tests i.e. analysis of variance, multiple linear regression and logistic regression.

Participants' Selection Criteria:

- PhD registered students who are at an advanced level of their research work, *OR*
- MSc registered students who have finalized data collection and are in the process of data analysis, *OR*
- Any other researcher with interest in data handling.

Participants are expected to have knowledge of data management and basic statistical analysis. Experience with statistical software, not necessarily STATA, is expected.

Training Methods:

Teaching will be in the form of lectures, practical and assignments. Participants are expected to bring own data and during the course they will be given time to work on own data and they will be expected to submit individual reports on their data analyses (If you don't have own data, we will have a number of data sets that you could work on instead, but this is not optimal). Thus participants are expected to work also outside class hours on their own data. This report will be assessed and form the basis of participants performance. Instructions on how to prepare the data will be sent shortly after enrolment. A certificate of performance or attendance will be given depending on the evaluation.

Training Materials:

- (1) Textbooks: Teaching will be based on the following two text books:
 - Essential Medical Statistics, 2nd edition, by R. Kirkwood and Jonathan A.C. Sterne.
 - An Introduction to STATA for Health Researchers by S. Juul.
- (2) STATA 12 Licence: Already installed in the computers at the training venue. A temporary license (6 month) has been purchased for each participant, so if you bring your laptop we can install the software such that you can also practise outside class hours.

Course Fees:

- USD 500.00 and 1,000.00 for Kenyans and Non-Kenyans respectively, to cover partly teaching materials, 2 text books, a license to STATA 12, and meals and refreshments served during course hours. Travelling to and from Nairobi and accommodation will be at your own additional expenses
- Partial Sponsorship by DBL-Centre for Health Research and Development, Department of Veterinary Pathobiology, University of Copenhagen, Denmark.

How to apply:

All applications should be sent to:

Director, University of Nairobi Institute of Tropical and Infectious Diseases (UNITID)
College of Health Sciences
P.O. Box 19676
Nairobi - 00202, KENYA

For further enquiries please contact us at:

- Email Address: unitid@uonbi.ac.ke or director-unitid@uonbi.ac.ke
- Telephone: +254 20 2726765
- Cell Phone: +254 716 656 629
- Web site: <http://www.unitid.uonbi.ac.ke>

Deadline for receiving of applications: 30th June, 2012