



The Department of Epidemiology & Biostatistics, Makerere University School of Public Health (MakSPH)

Basic Data Analysis Short Course

15TH - 19TH JULY, 2024 | 1 WEEK - Full Day

Course Overview

This program aims to build capacity of the participants to be able to conduct basic analysis of data, given a set of health data. By the end of the course, **participants should be able to develop an analysis plan to answer specific research questions of interest to them, to conduct univariate analysis for both numerical and categorical variables, to select appropriate statistical tests and conduct bivariate analysis for different combinations of variables and to interpret and present results from data analysis using appropriate figures and narrative.**

Mode of Delivery

- A blended learning approach will be used where sessions will be delivered both online (using Zoom) and Face-to-face. Face-to-face sessions will be held at the MakSPH Annex in Kololo, at the RAN Lower Lab whilst a zoom link will be shared for the online participants.
- Participants will have to indicate beforehand which mode they will use though face-to-face participants will have the added advantage of access to instant facilitator support especially when navigating Stata.

Course Pre-requisites

Prior knowledge of statistical principles and epidemiological methods is a requirement. In order to participate meaningfully and to keep up with the course content and practical activities, applicants to this course should have already taken a basic course in statistics/biostatistics and epidemiology. They must also have a personal computer, conversant with basic use of Windows and Stata (Version 10 or above)

Application link

<https://forms.gle/vMELSBwww1ckoVaaA>



Course Fees

USD 300

International Participants

UGX 600,000

Ugandans or East Africans

The fees will contribute to training materials, facilitation, and zoom subscription for the whole course.

Course Modules

- DA11:** Overview of data analysis
- DA12:** Practical: Analysis plan and Univariate analysis
- DA21:** Overview of Bivariate analysis: Comparing continuous outcomes in categories
- D22:** Practical: Bivariate analysis for Continuous outcomes in categories
- D23:** Overview: Simple Linear regression
- DA24:** Practical: Simple Linear Regression
- DA31:** Bivariate analysis for Categorical variables
- DA32:** Practical: Comparing categorical variables
- DA41:** Simple logistic regression and overview of multi-variate analysis
- DA42:** Practical: Simple logistic regression
- DA51:** Presentation of data
- DA52:** Practical: Presentation of data
- DA13:** Data Clinic 1 (Univariate analysis)
- DA33:** Data Clinic 2 (Bivariate analysis for continuous variables and for categorical variables)
- DA43:** Data Clinic 3 (Logistic regression)

Target Audience

This course is suitable for health professionals, health researchers, PhD students and Health program managers who interface with health data and would like to gain the skills needed to analyze this data.

Payment & Registration Procedure

Selected participants will receive admission letters and bank account details to make full payment before the start of the course.

After banking on the account, scan the Deposit Slip and send it to **imutyaba@musph.ac.ug** or deliver the hardcopy to Room 3, Ground Floor, Makerere University School of Public Health, New Mulago complex for registration or call **+256 785 510 385**

Application Deadline



MONDAY

8th JULY 2024

The deadline for receiving applications



For more inquiries, Contact

Course Administrator

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