

Statistical learning workshop using R with application to Routine data

REGISTRATION DEADLINE: May 30, 2022

ORGANIZERS: Innocent Mboya (Kilimanjaro Christian Medical Centre, Tanzania), Jim Todd (London School of Hygiene & Tropical Medicine, UK), Jacqueline Materu (National Institute for Medical Research, Tanzania), Neema Mosha (Mwanza Intervention Trials Unit, Tanzania), Philip Ayieko (London School of Hygiene & Tropical Medicine, UK), Sophia Kagoye (National Institute for Medical Research, Tanzania), Wende Safari (University of A Coruña, Spain)

LEAD INSTRUCTOR: Leacky Muchene (Janssen Pharmaceutical Companies of J&J, Netherlands)

AIMS: In recent years, data analysis becomes more sophisticated due to the availability of powerful free tools such as R for analysis. The objective of this workshop is to provide practical skills in analysing routine data using R.

AUGUST 1-5, 2022-MWANZA

- **INTRODUCTION TO R**
Leacky Muchene
- **FITTING GAUSSIAN MODELS & MONTE CARLO SIMULATION**
Jacqueline Materu & Neema Mosha
- **FITTING GENERALIZED LINEAR MODEL & MACHINE LEARNING**
Sophia Kagoye & Innocent Mboya
- **POISSON REGRESSION AND SURVIVAL ANALYSIS**
Jim Todd & Wende Safari
- **INTRODUCTION TO RMARKDOWN & R SHINY**
Leacky Muchene



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Registration link click [here](#).

SELECTION: 40 trainees will be selected