

# MUHIMBILI UNIVERSITY OF HEALTH AND ALLIED SCIENCES



## DIRECTORATE OF LIBRARY SERVICES

### CALL FOR A SHORT COURSE IN ADVANCED RESEARCH DATA ANALYSIS (5<sup>TH</sup> TO 9<sup>TH</sup> MAY 2025)

#### Introduction

This Short Course aims to equip researchers with the ability to analyze and interpret research data, which is essential for producing credible and impactful findings. It also equips participants with the skills to manage data, apply statistical techniques, and present evidence-based insights. The training is ideal for researchers, academics, and professionals, providing hands-on experience with research datasets and modern analytical tools. Join this course to enhance your analytical capabilities and make your research more rigorous and compelling.

#### Dates and venue

- ❖ 5<sup>th</sup> to 9<sup>th</sup> May 2025.
- ❖ CHPE Havard Conference Room-Second Floor.
- ❖ Time: 8:30 AM – 4:00 PM.

#### Key deliverables for this workshop

The Course aims at capacity building in:

- Understand the fundamental concepts of research data analysis and its significance in research.
- Collect and prepare data for analysis using various methods.
- Apply descriptive and inferential statistical techniques to analyze data.
- Conducted regression analyses and interprets the results appropriately.
- Utilize data analysis software tools to perform analyses and visualize data.
- Communicate findings effectively through reports and presentations.
- Recognize and adhere to ethical standards in data analysis and reporting.

#### Course content

- Introduction to Research Data Analysis
- Data Collection and Management
- Quantitative Data Analysis Techniques (Descriptive and Inferential Statistics)
- Data manipulation, statistical modeling, and visualization using **R**
- Application of NVIVO in Qualitative Data Analysis
- Hands-on Practice with Modern Analytical tools
  - *SPSS (descriptive statistics, regression, and advanced tests)*
  - *R (data manipulation, visualization, and statistical modeling)*
  - *NVIVO (Qualitative Data Analysis)*
  - *Excel (data analysis and visualization add-ins)*

### Who should attend?

Preferably, Masters and PhD students, Data Scientists, Data Managers, early-career researchers, and senior researchers wishing to update research analytical skills.

### Facilitators

This workshop will be facilitated by highly qualified and experienced experts in research and data analysis from Muhimbili University of Health and Allied Sciences

### Course fee

The course fee is **500,000.00 TZS (Tanzanians) or 220 USD (for foreigners)** and **200,000.00 TZS** for MUHAS students. The fee covers refreshments, course materials, and certificates.

**Award:** Certificates with **CPD Points** will be awarded after attaining a minimum requirement of the course.

### Contacts

For further information about the workshop, please don't hesitate to contact:

**Course Coordinator:** Venance, C. Mwalyego **+255765816801**

**Organizers:** 1. Agatha Mbawala: **+255714545457**

2. Tatu Majaliwa **+255687754114**

### Mode of Application

Make your application through this link: <https://forms.gle/g9mtuaj4yxFpBrhXA>

Send email to: [vcmwalyego@gmail.com](mailto:vcmwalyego@gmail.com)

NOTE: Confirm your participation before **2<sup>nd</sup> May 2025**.