



**IIT Madras**  
**Zanzibar**



Learn Bold. Think Global. Lead Anywhere.

## DATA SCIENCE FOR EPIDEMIOLOGY & PUBLIC HEALTH ANALYTICS

### Short-Term Professional Course

Organized by IIT Madras Zanzibar

#### Transform Public Health Data into Actionable Insights

This intensive short-term course is designed to equip participants with essential data science skills for analyzing, interpreting, and visualizing epidemiological and public health data. Through a combination of lectures, hands-on laboratory sessions, and project-based learning, participants will gain practical experience in applying modern data analytics techniques to address real-world public health challenges.

#### Course Highlights

- ✓ Fundamentals of Epidemiology and Public Health Analytics
- ✓ Data Collection, Cleaning, and Management
- ✓ Statistical Analysis and Data Visualization
- ✓ Introduction to Machine Learning for Health Data
- ✓ Disease Surveillance and Predictive Analytics
- ✓ Hands-on Programming and Practical Sessions
- ✓ Real-World Case Studies and Applications
- ✓ Capstone Project and Presentation

#### Who Should Attend?

- Public Health Professionals
- Healthcare Practitioners
- Researchers and Academicians
- Government Agency Personnel
- NGO Professionals
- University Students (Health, Statistics, Data Science, and Related Fields)
- Anyone interested in Public Health Data Analytics

#### Duration & Mode

12-Day Intensive Program

**Mode:** IIT Madras Zanzibar Campus

**Registration deadline:** July 5, 2026.

**Start Date:** 20 July, 2026

#### Registration Fee

**Students:** TZS 150,000

**Professionals:** TZS 200,000

#### Certification

Participants will receive a Certificate upon successful completion of the course.



**Register Now**

Limited seats available.

Early registration is encouraged.

Link- <https://tinyurl.com/2s29da78>

#### Course Coordinator

Dr. Manoj Kumar, Assistant Professor (Data Science & AI), IIT Madras Zanzibar

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