



# UNIVERSITY OF GHANA

## SCHOOL OF PUBLIC HEALTH



## Workshop on Introduction to Research, Epidemiology and Biostatistics

10<sup>TH</sup> - 15<sup>TH</sup> DECEMBER 2018 | School of Public Health, University of Ghana, Legon, Accra

### Introduction

A comprehensive introduction to the most commonly used methods of statistical analysis in clinical research and public health, with an emphasis on the key underlying concepts and the interpretation of statistical findings including an introduction to the basic principles of biostatistics and sampling techniques in public health research.

### Objectives

We will demonstrate to participants how Biostatistics helps manage many types of data-based medical uncertainties. Heuristic explanation of the application of statistical methods with the help of different real life example datasets that elucidate the medical meaning of results. Various statistical methods will be explained in a step-by-step approach.

The course will also illustrate the understanding and liberal use of graphs for data visualization. Participants will be equipped with practical examples with complete solutions. Participants will be introduced to epidemiology and the different types of study designs. Data management and data quality issues as well as geographic information systems will be looked at and examined more critically.

### Software

This course will make use of the STATA and ArcGIS software for both statistical and spatial data types of analysis, along with simple interpretations. This will help participants to analyze their own datasets.

### Teaching Materials

All course materials will be provided as part of tuition. A laptop is required.

### Eligibility

This is open to the everyone with some background and work experience in areas that make use of statistical data, geographic and geospatial information. Moderate to good quantitative skills will be an advantage.

### Instructors

From the Dept. of Biostatistics, School of Public Health, University of Ghana, Legon campus, Accra.

### Course Content

For detailed course contents please [click here](#).

### Fees = GH¢2,500

This covers tuition, course material, lunch and snacks. Participants will have to take care of their own accommodation and travel arrangements.

### Accommodation

Accommodation is available on and off near the University campus at Legon, Accra. The cost of this is **NOT** included in the fees to be paid.

### Application Procedures and Deadline

The deadline to apply is **15<sup>TH</sup> November 2018**.

[Click here to apply](#)

### Enquiries

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