Parkland College
Arba Minch
Short Term Trainings Programs

Data Management and Analysis using EpiInfo

About the Course

EpiInfo provides a wide range of functions for data management, analysis, and visualization, including statistical analysis, data visualization, and mapping. EpiInfo is widely used in the field of epidemiology and public health, and is a valuable resource for researchers, students, and practitioners.

This training provides comprehensive introductory you will need to know in order to manage and analyze the data collected during the PLACE assessment, as well as guidance in preparing the data tables used in a PLACE report. It begins with step-by-step instructions for preparing customized data entry screens in Epi Info for the prepared questionnaire.

Target Participants
- Anyone with no EpiInfo background
- Anyone who wants to understand the workflow in EpiInfo

Course Duration
- 4 Days at 8 hours a day

Course learning outcomes

After studying this course, you should be able to:
- Modifying or creating a questionnaire date entry screen
- Entering data and merging files
- Producing frequency tables
- Cleaning Data in Epi Info

Course Outline
1. **SECTION 1: Preparing for Data Entry**
    1.1. How to Use This Module
    1.2. Modifying or Creating a Questionnaire Date Entry Screen
    1.3. Data Entry Exercise: Understanding Data Entry Screen Programming
    1.4. Data Entry Exercise: Modifying Data Entry Screens
    1.5. Setting Check Parameters for Data Entry
    1.6. Date Entry Exercise: Using the Check Entry Program Window
2. **SECTION 2: Data Entry**
    2.1. Entering Data
    2.2. Merging Files

3. **SECTION 3: Data Analysis**
    3.1.Producing Frequency Tables
    3.2.Data Analysis Exercise: Creating a Text File
    3.3.Cleaning Data and Outputting a New Data Set
    3.4.Instructions for Data Analysis

4. **SECTION 4: Data Use Exercise**
    4.1.Data Use Exercise: Documenting the PPA Selection Process
    4.2.Data Use Exercise: Understanding PLACE Questionnaires
    4.3.Data Use Exercise: Understanding PLACE Questionnaire Legal Values
    4.4.Data Use Exercise: Understanding Data Cleaning
    4.5.Data Use Exercise: Cleaning Data in Epi Info
    4.6.Data Use Exercise: Creating New Variables in Epi Info
    4.7.Data Use Exercise: Filling in the PLACE Report Template Tables

Prerequisites

The training is designed for students with little to no background with EpiInfo. Basic computer operational skills is ideal.

Training Approach

This training on Data Management and Analysis using EpiInfo is delivered by our seasoned trainers who have vast experience as expert professionals using EpiInfo software. The course is taught through a mix of practical activities, theory and group works.

Training manuals and additional reference materials are provided to the participants.

Certification

Upon successful completion of this course, participants will be issued with a certificate.

Tailor-Made Course

We can also do this as a tailor-made course to meet organization-wide needs. A training needs assessment will be done on the training participants to collect data on the existing skills, knowledge gaps, training expectations, and tailor-made needs.