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TRAINING ON
MOBILE DATA COLLECTION TRAINING

1st - 5th October 2018,
Kairaba Hotel, The Gambia

COLLECTING YOUR DATA

The subject of data collection can, at first sight, appear to be immensely complicated. There are many tools and concepts often contradictory and / or potentially confusing. Additionally with the advent of mobile devices means the need for paper based data collection is fast becoming redundant.

Digital survey tools such as mobile collection devices and software that allows users to create surveys, collect, manage and upload data to storage facilities in real-time, have reduced the conventional challenges associated with remote data collection. The introduction of smartphones and tablets for data collection using tools such as skip logic and decision trees have augmented the process of data collection making it quicker and more efficient.

This 5-day training workshop will de-mystify the subject and provide participants with a step-by-step practical guide on how to go about data collection electronically for the purpose analysis for decision making.

WHO SHOULD ATTEND?

This programme will be delivered by an experienced international expert and is suitable for anyone who is interested in learning how to collect, manage and analyze project data using mobile devices

Intended Audience:

• Statisticians
• Data Sciencists and Researchers
• Data Managers
• Planning and Policy Coordinators
• Monitoring and Evaluation Specialists
• Project Assistants and Coordinators
• Database Adminstrators
• Banking Analyst

COURSE OBJECTIVES

The course will introduce participants to tools and techniques to conduct surveys, censuses, research or gather data for project or programme outcomes using innovative Mobile data gathering tools.

At the end of the course, participants will:

Become familiar with using ICT tools and methods to conduct data collection.
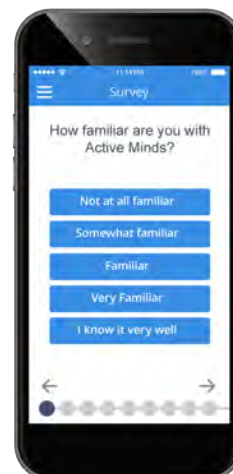
Understand the different data and data types

Understand how to design questionnaire and forms

Understand how to process data including handling missing data

COURSE OUTLINE

Day 1 - Course Content:

Data Collection and Types of Data Collection Methods

Introduction to Mobile Data Solutions and its advantages

Benefits of Mobile Data Collection Compared to Paper

Understanding Mobile Data Collection

Identifying the objects you want to collect data about

Surveys & Census: Market, Consumer, Population, Health, Agricultural, Education, Trade and Financial

Day 2 - Course Content:

Defining object relationships

Defining database design principles

Data and types of data

Data – Defining Data,What is Big Data, Datasource, Tools

Day 3 - Course Content:

Data processing components

Principles of good questionnaire design

Flow Charting

Handling "What-if" questions (Skip Logic and Decision Trees)

Day 4 - Course Content:

Choosing a Data Collection Tool

A look at Mobile Data Collection Platform such as Magpi, Commcare, CSPro, Forte Data

Day 5 - Course Content:

Designing Mobile Data Collection systems using Commcare and Forte Data

Installing Data Collection System on an Android Mobile Phone

Monitoring Frontline Workers Performance during Data Collection

Practical Fieldwork - Data Collection Using Mobile Phone

BRIEF PROFILE OF THE TRAINER

YAW ANTWI-ADJEI, FORTÉ INNOVATIONS, GHANA

Yaw Antwi-Adjei is a former World Bank senior consultant with 25 years plus in data collection, processing, analysis and visualization.

He holds an MSc. in Distributed Computing System with specialisation in Software Engineering and has spent the last twenty (20) years working as Survey and Census Data Processing Consultant on the African continent using creativity and innovative techniques and tools such as Scanning Technology, Digital Pen, and Mobile Data Collection for Data Capture, Visual Basic, Visual Basic for Applications (VBA), WEKA, R, SPSS, CSPro and Microsoft Excel for Data Preprocessing, Data Mining, and Microsoft Access as backend.

During his twelve (12) years practical experience as a data expert working at World Bank and UNFPA, he worked numerous surveys such as:-

- **Census (Ghana, Nigeria and Sudan)**
- **Integrated Household Survey (Sierra Leone and Nigeria)**
- **Core Welfare Indicator Questionnaire (CWIQ) Survey (Sierra Leone, Ghana, Nigeria, Tanzania,Lesotho,Malawi)**
- **Crime Victimising Survey (Ghana)**
- **Time use surve (Ghana)**
- **Business Establishment Survey (Sierra Leone)**
- **Patient Satisfication Survey (Ghana)**
- **And many more in numerous African countries**

He has tremendous experience in the design of Scannable questionnaire or Mobile Data Collection Forms using software packages such as Teleform, Commcare, and Magpi. He has considerable experience providing training in Data Analytics, Presentation and Visualisation using tools such as Scatter Plots, Bar Graphs, Line Graphs, Box Plots, using Open-Source Tools such as R, iNZight, WEKA that actually enables a researcher to tell insightful Data Stories as well as Tableau.

He has vast experience development and Implementation of Structure and Consistency Edit Specifications, which together lead to quality results and visuals. Remember, the impact of your visuals largely depends on the quality of your data.

ABOUT FORTÉ INNOVATIONS

Forté Innovations is a software design and ICT services company that is committed to the delivery of world class solutions that transform our partners' businesses.