Training Course on
Session and Data Management in STATA
For Data Analysis

The training will be conducted to provide participants from Government employee/Student /NGO staff an exposure to data management, and Data Management in STATA for data analysis that are frequently needed in program or project implementation, monitoring and evaluating, and research work in many fields including natural resources management.

COURSE OBJECTIVES (Expected outcome)

This training aims to raise awareness of the participants so that they can build their knowledge and understanding of data management in STATA for data analysis and can perform their tasks more effectively in data management, data processing and Syntax in STATA.

1. Participants will understand about questionnaire, concept of data processing and sampling design.
2. Participants will be able to use the knowledge and skills gained from the training course for their future research work
3. Participants will be able to understand a basic data analysis in STATA that is commonly encountered in data analysis and will be able to basic interpret and report the results

WHO SHOULD ATTEND?

Participants should have some basic statistical knowledge and be involving or wish involve in research group and report writing. They should be those who are or want to be: Researchers, Report writers.

COURSE CONTENTS

Day 1: (7 hours)

Introduction to the course	- Flow chart of Data Processing
Data Processing and Data Collection	- Field operation - Data editing and coding - Data entry

Data Cleaning	- Independent/Dependent Verification - Data Correction of the Add and Verify modes - Data correction of Range and Consistency Checks - Tabulation plan - Data analysis in different formats
Overview of STATA	- Computing Resources - Beginning of STATA Session - Starting Up - Reading a Pre-Existing STATA dataset - Examining a STATA dataset - Exercise and Practice

Day 2: (7 hours)

Creating Files	- Log Files - Do files

Statistics	- Tables of Summary Statistics - Frequency - Cross table - Interpretation of table

Exercise 1 and Practice

Day 3: (7 hours)

writing the command and syntax	- *help, gen, keep, drop, sort of variable* - *sum, replace, label of variable*

writing the command and syntax (cont.)	- *variable value, des, list* - *quintile*

Exercise 2 and Practice

Day 4: (7 hours)

Data management	- merge, - collapse (data aggregate)

Data management (cont.)	- date calculation - encode - recode

Exercise 3 and Practice

Day 5: (7 hours)

Special syntax	- for each and for value (loop commands), - reshape (restructure)

Special syntax (cont.)	- Special syntax - Testing the Application

Exercise 4 and Practice

There are 35 hours to complete the course of Session and Data Management in STATA for Data Analysis.

Phnom Penh, 02 September 2014

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Saint Lundy
Data Processing Specialist