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**Quantitative Data Analysis using SPSS**

March 4 to 9, 2013

Niamey, Niger

**Agenda**

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| **Objective:** The overall objective of the workshop is to improve participants’ skills and knowledge in developing data entry application and quantitative data analysis. | |
| **MONDAY, March 4 (Day 1)** | |
| 08:30 – 09:00 | Registration and opening |
| 09:00 – 09:30 | Introduction to TOPS |
| 09:30 – 10:00 | Pre-test |
| 10:00 – 10:30 | Introduction to data entry application |
| 10:30 – 10:50 | Tea/coffee break |
| 10:50 – 12:30 | Creating a data entry application using CSPro |
| 12:30 – 01:30 | Lunch |
| 01:30 – 02:30 | Creating logic to aid data entry |
| 02:30 – 02:50 | Tea/coffee break |
| 02:50 –04:30 | Design a data entry application in CSPro |
| 04:30 – 05:00 | Question and answer; and wrapping up the day’s session |

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| **TUESDAY, March 5 (Day 2)** | | |
| 08:30 – 09:30 | Review yesterday’s key learning | |
| 09:30 – 10:30 | Data entry and export | |
| 10:30 – 10:50 | Tea/coffee break | |
| 10:50 – 11:20 | Data management | |
| 11:20 – 11:50 | Introduction to data analysis | |
| 11:50 – 12:30 | Understanding variables | |
| 12:30 – 01:30 | Lunch | |
| 01:30 – 02:30 | Measures of Central tendency | |
| 02:30 –02:50 | Tea/coffee break | |
| 02:50 –03:50 | Measures of Central tendency continued | |
| 03:50 – 04:40 | Importing data into SPSS | |
| 04:40 – 05:00 | Question and answer; and wrapping up the day’s session | |
| **WEDNESDAY, March 6 (Day 3)** | |  |
| 08:30 – 09:00 | Review of previous day’s session | |
| 09:00 – 10:00 | Defining new variables | |
| 10:00 – 10:30 | Manipulating data and merging files | |
| 10:30 – 10:50 | Tea/coffee break |  |
| 10:50 – 12:30 | Manipulating data and merging files continued | |
| 12:30 – 1:30 | Lunch | |
| 01:30 – 02:30 | Manipulating data and merging files – do it by yourself | |
| 02:30 – 02:50 | Tea/coffee break | |
| 02:50 – 03:50 | Generating descriptive statistics | |
| 03:50 – 04:50 | Generating descriptive statistics – do it by yourself | |
| 04:50 – 05:00 | Question and answer; and wrapping up the day’s session | |
| **THURSDAY, March 7 (Day 4)** | |  |
| 08:30 – 09:00 | Review previous day’s session | |
| 09:00 – 09:30 | Understanding weighting of data and creating weights | |
| 09:30 – 10:30 | Practice weighting | |
| 10:30 – 10:50 | Tea/coffee break |  |
| 11:15–12:30 | Data cleaning | |
| 12:30 – 01:30 | Lunch | |
| 01:30 – 02:30 | Detect the errors in the given data set and clean it |  |
| 02:30 – 02:50 | Tea/coffee break | |
| 02:50 – 03:20 | Detect the errors in the given data set and clean it |  |
| 03:20 – 04:45 | Making data meaningful |  |
| 04:45 – 05:00 | Question and answer; and wrapping up the day’s session | |
| **FRIDAY, March 8, (Day 5)** | |  |
| 08:30 – 09:00 | Review previous day’s session | |
| 09:00 – 10:30 | Introduction to inferential statistics | |
| 10:30 – 10:50 | Tea/coffee break |  |
| 10:50–12:30 | From raw data to results *[Participants will get a set of completed questionnaires. They will individually design a data entry application in CSPro, type in data using the application, import data into SPSS, analyze, produce results and interpret the results.]* | |
| 12:30 – 01:30 | Lunch | |
| 01:30 – 02:30 | From raw data to results - continue | |
| 02:30 – 02:50 | Tea/coffee break | |
| 02:50 – 05:00 | From raw data to results - continue | |
| **SATURDAY, March 9, (Day 6)** | |  |
| 08:30 – 10:30 | From raw data to results - continue | |
| 10:30 – 10:50 | Tea/coffee break | |
| 10:50 – 11:30 | Participants prepare their group presentations | |
| 11:30 – 12:30 | Presentation of the results | |
| 12:30 – 01:30 | Lunch | |
| 01:30 – 02:00 | Post- test | |
| 02:00 – 02:30 | Certificate distribution and closing | |
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