

REPORT ON DATA ANALYSIS WORKSHOP: 6th - 8th JUNE 2006

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Uganda Society for Health Scientists (USHS) organized a data analysis workshop on 6th – 8th June 2006 at Regional Center for the Quality of Health Care. This was a follow-up of the research Methodology Workshop held in November 2005, and part of a series of workshops on Research Methods funded by AIDS International Training and Research Program at Case Western Reserve University.

The workshop was opened by Ms. Jayne B. Tusiime, the Chairperson of the Society. She welcomed the participants and outlined the objectives and major activities of the Society. She hoped that the participants would benefit from the workshop and assured the participants that the society will organize and conduct such workshops to achieve its objective of grooming young researchers.

Objectives of the workshop:

- 1- To equip participants with skills to analyze data
- 2- To introduce participants to statistical computer software packages for analyzing quantitative data.
- 3- To equip participants with statistical interpretation and report writing skills.

The workshop attracted a total of 30 participants, mainly medical personnel and social scientists, who are either involved in or interested in conducting medical research. The workshop, which was facilitated by biostatisticians and epidemiologists, introduced participants to:

- Basic Concepts of Statistics
- Preparing for data entry, exploring data and data management.
- Designing a statistical data analysis plan.
- Univariate and Bivariate data analysis.
- Regression analysis.
- Non-parametric tests
- Confounding and Effect modification.
- Qualitative data analysis.
- Writing a report of one's findings.

Expectation of the participants:

- 1- Acquire knowledge and analyze data using the computer
- 2- Know how to link / present data quantitatively
- 3- To know how to use specialized statistical programs such as EPIINFO, SPSS, STATA
- 4- To learn interpretation of statistics
- 5- To understand statistical terminologies
- 6- To learn various statistical tests and when to apply them

FACILITATORS:

1. Mr. J. B. Lwanga
2. Mr. Albert Maganda
3. Mr. Simon Kasasa
4. Dr. Nazarius Mbona
5. Mr. Joseph Mbirizi
6. Ms. Jayne B Tusiime
7. Dr. G S. Bwire

Participants:

S.no	Names	Organization
01	Mercedes Mock	Private
02	Kyagulanyi Tonny	Makerere University
03	Judith Namata	MUJHU
04	Fred Ssewankambo	IDI
05	Bakera Sam	Microbiology Dept, Mak
06	Adoch Stella	Murchison Bay Hospital
07	Tusaba Kanyange	Dept. of Psychiatry, Mak
08	Mubiru Joseph	COWESE-Rakai
09	Noor Lule Sekimpi	MJAP
10	Omongiot Samson	Dept. of Med. Mak
11	Flavia Matovu	MUJHU
12	Nshimye Angella	MUK
13	Alia Godfrey	OBGY MUK
14	Daniel Kyabayinze	RCQHC
15	Kiweewa Francis	Dept. of Med. Mulago
16	Dr. Mpairwe Allan	MUIPH
17	Dr. Kyebambe Peterson	Kabale Hospital
18	Nakayima Flavia	IPH-CDC
19	Dr. Odong Patrick Olwedo	Gulu University
20	Namagambe Imelda	CWRU
21	Pauline Byakika	IDI
22	Damalie Nakanjako	Dept. of Med. Mulago
23	Dr. Sabrina Bakeera Kitaka	Dept. of Paed, Mulago
24	Dennison Kizito	MRC/UVRI
25	Amanya John Vianney	Adapt Consultants
26	Eriaku William	FEMA MUK
27	Justine Nakinga	MOH
28	Joan Lyavala	TASO
29	Johnnie Mubuya	CDC

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PARTICIPANTS' EVALUATION OF THE WORKSHOP

Activity /item	Very poor or poor	Average	Good or Excellent (%)
Venue	13.0	17.4	69.6
Tea	2.0	14.3	83.7
Lunch	2.2	13.0	84.8
Administrative support	2.0	8.2	89.8
Responsiveness of the organizers	0.0	2.0	98.0
Basic Statistics	0.0	4.3	95.7
Preparing data, data management and exploration	0.0	4.5	95.5
Designing a statistical analysis plan	0.0	9.1	90.9
Data Summary measures	0.0	14.3	85.7
Non parametric tests	3.8	19.3	76.9
Confounding and effect modulation	0.0	34.6	65.4
Writing a report of your findings	0.0	7.7	92.3
Qualitative data analysis	00	0.0	100

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Some comments made by the participants on aspects of the workshop.

'Workshop should be at least one week long'

"More on data analysis, especially non-parametric and regressions, these need a bit more time"

"Give us more time to get the explanations right because time seemed not to be on our side, especially on the last day"

"We needed more time and practice"

"It was worth it and very beneficial and enlightening to me"

"More time for the course duration. Examples should be based on real written results"

Duration of the course could be extended and some of the learning materials could have been to the participants in advance..."

"I am of the opinion that the course has been very informative but requires more time for the practical part of it, otherwise congratulations and thanks for accepting me in the group"

"The course length needs to be prolonged to allow more hands on practice"

"Well organized"

"We needed to have a suitable data/set to perform these tests"

"There was not enough time to demonstrate"

"Good workshop, kindly keep it up and call us for more. Thank you for the software"

“Time was limited but the basics came out”

“Generally a very good course BUT requires more time”

“Too little time, thank God most of the information wasn’t new”

“The Facilitators kept us focused, very motivating”

“...I would like to undergo it again”

“The USHS should have a ready data set with answers to use in the demonstration such that participants can derive the answers and appreciate especially the regression model”

“But more time needed for practicing, would be better if we had the software loaded earlier, e.g. SPSS”

“The society has used well experienced facilitators who knew their subject areas. Hope to continue with the spirit’.

On Effect Modification/ Stratified analysis topic

“Was a bit a rush through”

“Not well illustrated to different cadres through the course’

“New concept, I shall catch up”

“Needed to have hands on statistical testing”

“It was summarized, needed more time”