

CURRICULUM VITAE

PERSONAL INFORMATION:

Name: OMALA, SAINT KIZITO

Place and date of birth: Kampala, 10th September 1967

Marital status: Married with two daughters

Profession: Statistician/Educator
PhD (in Statistics).

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Nationality: Ugandan

KEY QUALIFICATIONS

Kizito is an Applied Statistics specialist and M & E practitioner with over four years experience in project evaluation studies and over ten years teaching applied statistics in Uganda. He has participated in quasi-experimental evaluation studies as lead statistician for at least three European Union (EU) funded projects implemented in Northern Uganda. These projects focused on skilling of youth, household capacity building, economic strengthening, and service delivery. Kizito possesses strong quantitative or mixed-method and analytical skills derived from his University training and teaching, and the practice of complex survey planning and statistical analysis while in the Section of National Assessment (NAPE) at Uganda National Examinations Board (UNEB). As a professional teacher and having participated in annual disseminations activities of NAPE to local government officials, teachers and parents for nearly eight years aided by Ms PowerPoint, he has the ability to articulate technical information clearly and effectively to both technical and non-technical audiences. Statistical analyses at NAPE and the EU funded evaluation researches carried out have required him to use data management software like Ms Access, EpiData or Cs. Pro, together with statistical packages like STATA and SPSS for analysis. He has trained and supervised data clerks and junior statisticians in data management. Kizito has been involved in report writing at UNEB and in the evaluations studies using Ms Word for text and Ms Excel to develop illustrative charts & graphs. As education consultant and Chief facilitator at AVSI, he has demonstrated high leadership qualities and strong interpersonal, and oral presentation skills. Kizito has had peer reviewed publications on education and health. He speaks English which was the medium of instruction throughout his school life in addition to local languages like Luo (Dhopadhola), Lusoga, Luganda and Swahili. He holds a doctoral degree (statistics), Master of statistics, post graduate diploma in statistics and Bachelor of Science (Math, Physics with education).

EDUCATION

Doctoral Degree in Applied Statistics, Makerere University, Kampala, Uganda, 2013;
Master of Statistics, Makerere University, Kampala, Uganda, 2003;

Post Graduate Diploma in Statistics, Makerere University, Uganda, 1999;
Bachelor of Science. Mathematics & Physics with Education, Makerere University,
Kampala, Uganda, 1994.

PROFESSIONAL HISTORY

Title: Senior Examinations Officer(in charge of Data Management)

Section: National Assessment for Progress in Education (NAPE)

Organization: Uganda National Examinations Board (UNEB)

Location: Uganda

Duration: 8 years

Job Duties:

Assembled the Sampling Frames; Determined sample size for each sampling stage; Sampled schools within districts or cluster of districts as strata; Designed the testee selection list used in NAPE surveys at Secondary & Primary; Preparing data capturing templates with data validity and consistency checks incorporated using EpiData, CSPro, Epi Info or Ms Access; Recruited, trained data entrants and supervising data entry; Carried out data editing and cleaning using STATA; Implemented Complex survey statistical analysis using SAS, STATA, SPSS, E-views and interpreted analyses reports; Executed Test and Item Analysis of Pilot field instruments using specialized psychometric software like ConQuest and Xcalibre; Compiled NAPE Report in English using Microsoft Word for text and developed illustrative pivot tables, charts & graphs using Microsoft Excel; Disseminated NAPE findings at national and sub-national levels to technical and non-technical audiences; Developed with colleagues NAPE Section's Activity Plans, budget and Procurement Plan; and Developed with colleagues NAPE's *criterion-referenced* Tests & other Field instruments.

Accomplishments:

- Improved data quality and reduced data cleaning time from 3 weeks to 4 days through introduction of double entry during data capture in addition to data validity and consistency checks;
- Increased data access by implementing routine data archiving, proper documentation and easy retrieval mechanisms;
- Reduced complex survey analyses process time from over 36 hours to 3 hours through recommending the purchase of multi-processor desktop and STATA MP;
- Introduced the use of highly specialized and up-to-date software like STATA for better estimation of multi-stage population parameters, EpiData for high integrity data management and flexibility in data transfer, Xcalibre and ConQuest for modern item and test analysis;
- Saved UNEB recurring printing costs by re-designing testee random selection list that is usable for various class enrolments and is also re-usable;
- Improved presentation of achievement data disaggregated by district through creation of GIS maps using arc-view software to replace Tables with over 100 rows;
- Confirmed within the probation period and promoted to a senior level earlier than some of my contemporaries;
- Reduced statistical analysis printouts from over 1500 paper sheets to not more than 300 by deleting unwanted information and printing on two sides of a sheet;
- Highly appreciated presentations during dissemination and training because of clarity in my explanation, good voice projection and attention to varied audience;
- Vigorously notified potential data users about the availability of NAPE data which has led to improved data use by researchers from almost none to 4 PhD (local and international) students and 2 Masters students;
- Directed a team of 3 statisticians to accomplish data cleaning, editing and analyses tasks on time.

Title: Statistician

Project Name: Building Infrastructure and Livelihoods for Development (BUILD), under ALREP and PRDP implemented by AVSI and CARITAS

Organization: PERMANENT CENTRE FOR EDUCATION(PCE)

Location: Uganda

Duration: 4 months.

Job Duties:

Prepared Evaluation proposal; Developed baseline and endline survey methodology; trained survey enumerators; designed relational databases with validity and consistency checks; trained data clerks and junior statisticians in database design; supervised data entry; carried out data merging, cleaning, editing and data transfer to various forms; implemented multi-stage survey analysis from the baseline and endline evaluation data and provided publication ready Tables, Charts and interpretations; Wrote some sections of the reports.

Accomplishments:

- Ensured survey-design-corrected estimation procedures for cross-tabulated categorical variables to improve on estimation results;
- Expressed disagreement with the wrong estimation results of my supervisor who had assumed simple random sampling when data was collected from respondents through a multi-stage survey design and I executed design-specific estimation procedures;
- Directed a team of data clerks and junior statistician to complete the tasks of data capture, merging, cleaning and analyses in time;
- Constructed wealth index quintiles using multivariate techniques from a pool of household assets to demonstrate household wealth inequality;
- Improved capacity of one PCE M&E staff in design of relational databases through training and mentoring.

Title: Statistics Consultant

Project Name: Building Skills; Changing Futures (BSCF) implemented War Child Holland (WCH) funded by European Commission (EC)

Organization: PERMANENT CENTRE FOR EDUCATION(PCE)

Location: Uganda

Duration: 1 month.

Job Duties:

Prepared Evaluation proposal; Developed endline survey methodology; designed relational databases with validity and consistency checks; carried out data merging, cleaning, editing and data transfer to various forms; implemented multi-stage survey analysis from the monitoring and evaluation endline data and provided publication ready Tables, Charts and interpretations. Wrote some sections of the report.

Accomplishments:

- Initiated a collaboration with the PCE on the BSCF endline evaluation research and we emerged the best bidder out of 75 competitors;
- Designed a relational database and mentored a PCE staff so that he can modify it for different purposes;
- With a team of Qualitative analyst and junior statistician, I completed the evaluation task on time;
- Presented the draft evaluation report including the technical sections to the Contractor and implementing partners who were composed of non-technical

persons and maintained the attention of the audience for the duration of the presentation.

Title: Lead Statistics Consultant

Project Name: Developing productive infrastructure and assets in Lango sub region to improve agricultural production and profitability, implemented by CESVI and funded by European Commission (EC)

Organization: PERMANENT CENTRE FOR EDUCATION(PCE)

Location: Uganda

Duration: 2 months.

Job Duties:

Prepared Evaluation proposal; Developed endline survey methodology; designed relational databases with validity and consistency checks; carried out data cleaning, editing and data transfer to various forms; implemented mixed methods complex survey analysis from the monitoring and evaluation endline data; Provided publishable Tables, graphs and interpretations to the Report compiler; Wrote the survey methodology section of the report and some other sub-sections.

Accomplishments:

- In a team of 3, we won the competitive bid and was granted the contract to carry out evaluation;
- Constructed household questionnaire items according to the DAC criteria and project indicators;
- Planned the household survey sampling procedures in order to maximize very limited time allotted;
- Completed analyses in less than the planned time of four days.

Title: Part Time Lecturer

Organization: MAKERERE UNIVERSITY

Location: Uganda

Duration: 10 years.

Job Duties:

At the School of Statistics and Planning

Taught Advanced Statistical Methods to graduate students, and Statistical Quality Control, Probability Theory, Statistical Inference, Econometrics to undergraduates; Demonstrated estimations theories using R environment and STATA; Supervised graduate and undergraduate students as they wrote their dissertations; Conducted short courses in Basic Applied Statistics that targeted Graduate students, staff of the School of Statistics and Planning, Ministry of Internal Affairs, National Agricultural Research Organization (NARO); and Assessed graduate and undergraduate students.

At Makerere University Business School(MUBS)

Taught Psychometrics to graduate students of Master of Business Psychology; Examined the merits of *classical* and *modern* Test Theory; Facilitated the Practice of Test & Item Analysis using ConQuest and R environment; Conducted written and Oral Examination for Graduate students.

Accomplishments:

- Revitalised the use of statistical packages like SPSS and STATA in modelling quality of products and services;

- Introduced R environment and psychometric packages like *psych* since MUBS could not provide a simple and commercial Item Response Theory package like Xcalibre or ConQuest in time;
- Accelerated dissertation completion due to group supervision sessions with students whom I supervised which enabled them to benefit from their colleagues' research work and comments;
- Assessed students' work and remitted their score to the head of department in time.

Title: Education Consultant & Chief Trainer

Organization: AVSI

Location: Uganda

Duration: 5 years.

Job Duties:

In a team of four persons

Developed training courses like 'The Risk of education', 'Educate while teaching', 'Educate while rehabilitating' for a variety of stake holders (teachers, tutors, social workers, etc);

Identified illustrative aids like essay, poems, paintings, music and films;

Developed training manuals for trainers;

Conducted trainings and made follow-ups;

Accomplishments:

- Pioneered trainings on the *Risk of Education* and as the first facilitator;
- Explored training of the unintended participants like social worker and rehabilitation officers which proved successful and caused the development of courses like "Educate while Rehabilitating";
- Identified and mentored Trainers from among trainees who even later became full-time AVSI workers.

Title: Graduate Education Officer

Organization: Ministry of Education and Sports

Location: Uganda

Duration: 13 years.

Job duties

Taught Mathematics and Physics at Ordinary and Advanced levels;

Headed the departments of Physics & Computer Studies;

Supervised the teaching of Physics & Computer Science in the whole school;

Advised the head of school on matters related to Physics & Computer Science;

Kept custody of the Physics and Computer Science equipments.

Accomplishments:

- Directed a team of 9 graduate teachers as head department of Physics & 2 instructors for Computer Studies;
- Established an Inventory for the Physics laboratory equipment;
- Assisted in the creation of the department of Computer studies as pioneer head;
- Identified 5 graduate teachers to be recruited as teachers of Physics and Mathematics, and all of them continue to serve.

Title: Curriculum Developer and Trainer

Organization: LUIGI GIUSSANI INSTITUTE OF HIGHER EDUCATION

Location: Uganda

Duration: 15 Days

Job Duties

Designed a Curriculum for Certificate Evaluation Statistics with four modules, each on running for on average 50 hours. It targeted: Project managers, Researchers, Administrators in Public, Private and NGO sectors, and persons who want to enter or advance within applied statistics profession. Expected to Train as well as coordinate the instructions.

TRAININGS/CONFERENCES/SEMINARS

- Facilitator at the National Religious Education Conference on the 'The Concept of Education'. 1st-4th May 2008, Durban, South Africa.
- Presented a paper on 'Household Involvement and Students' Achievement in Secondary Schools in Uganda', in a Symposium organised by the Kobe University's Graduate School of International Cooperation Studies (GSICS) supported by JSPS Core-to-Core Program (Asia-Africa Science Platforms). 8th - 11th December 2013, Kobe University, Japan.
- Participated in a 5 days training on scholarly writing organised by the Directorate of Graduate Training and Research, Makerere University;
- I was trained in Advanced Research Methods for a period of 3 weeks; it was procured by the Department of Human Resource and Administration, UNEB - Kampala.

PUBLICATIONS

- Wamala R, Omala S. K., Jjemba E. (2013). Academic Achievement Of Ugandan Sixth Grade Students: Influence Of Parents' Education Levels. *Contemporary Issues in Educational Research. Volume 6, Issue 1*.
- Wamala R, Tagoole A, Omala S.K. (2013). Do Graduates of General Education in Uganda possess Vocational skills? *Makerere Journal of Higher Education. Volume 5, Issue 1, pp 49 – 65*.
- Wamala R., Omala S. K., Kakumba U. (2012). Graduate Management Admission Test Outcomes and the Achievement: A Study on Masters of Business Administration Students at Makerere University, Uganda. *American Journal of Business Education. Volume 5, Issue 6, pp 779 – 786*.
- Omala S.K, Ocaya B., Odwee J., & Mbonye A. (2012). Application of panel data technique to assess the cost structure of private hospitals in Uganda. *Online Journal of Social Sciences Research. Volume 1, Issue 5, pp 146-153*
- Omala S.K. (2012). *Panel Data Analysis of Hospital Expenditure: Case of 27 Catholic Hospitals in Uganda*. Ph.D Thesis, Makerere University, Kampala.
- Omala S.K. (2003). *Estimation of the production function of secondary schools: findings in Uganda*. M. Stat. dissertation, Makerere University, Kampala.

LANGUAGES

	Speaking	Reading	Writing
English	Excellent	Excellent	Very Good
Kiswahili	Medium	Medium	Poor
Luo (Dhopadhola)	Good	Medium	Medium
Luganda	Medium	Medium	Poor
Lusoga	Good	Poor	Poor

REFERENCES

1. Dr. Andrew Kizito Muganga,
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2. Mr. Giacomazzi Mauro,
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3. Dr. Peter Patrick Wakabi-Waiswa,
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I certify that the information provided above is true to the best of my knowledge.