

Eunice Wacu Mutahi

P.O. Box 38837, Nairobi • Cell: (0) 704904188 • Email: wacumutahi@gmail.com

LinkedIn Profile: <https://www.linkedin.com/in/eunice-mutahi-626676118>

Personal Attributes and Capabilities

- Organizational, interpersonal and intercultural communication skills,
- Excellent supervision and mentorship skills
- Strong problem-solving skills,
- Strong written and verbal presentation skills,
- Strong capabilities to multi-task and adhere to project timelines when handling multiple project tasks,
- Highly motivated to work both independently and on collaborative tasks involving teams,
- Experienced in managing and analyzing large data sets,
- Development of infographics and dashboard using PowerBI or Advanced Excel,
- Strong analytical skills with commendable knowledge of statistics,
- Experienced in extraction of insights from text and image datasets (unstructured),
- Possesses a natural urge to draw in-depth insights from data and crafting hypotheses,
- Excellent programming skills of ODK electronic survey for ODK central, SurveyCTO or kobo,
- Advanced skills in using STATA and Python programming for quantitative data analysis,
- Competent in principles and techniques of Machine learning methods,
- Keen eye to detail and improvement/automation of processes,
- Strong willingness to learn new concepts and softwares to generate better data insights.
- Well versed with current trends and developments in the Data Science space e.g GPT-4 and Large Language Models
- Well versed in Evidence – based interventions pertaining research methodologies.

Technical Skills

Data Management and Analysis Software:	• Stata (Advanced) • R (Intermediate) • Python (Advanced)
Electronic Data Collection Software:	• ODK (Advanced) • SurveyCTO (Advanced) • Kobo (Advanced)
Data Visualization Tools:	• Excel (Advanced) • Python (Advanced)
Data Bases:	• MySQL • Amazon Web Services (AWS)
Microsoft Office Suite:	• Advanced Excel • Word • PowerPoint • PowerBI (Intermediate)
Geospatial Software:	• QGIS (Intermediate)
Text Analysis	• Natural Language Toolkit (NLP) in Python

Work History and Experience

May 2019 - Current • Evidence Action

Associate, Data Management - Monitoring Learning and Evaluation

- Working with the Monitoring and Evaluation team to generating unique IDs, data quality checks, data cleaning as well as data visualization of Key performance indicators of the following programs:
 - *Deworm the World Initiative in Kenya and Nigeria*
 - *Dispensers for Safe Water in Kenya, Uganda and Malawi*
 - *In-line Chlorination in Kenya and Malawi*
- Mentorship, supervision and capacity development of Data entry clerks, interns and associates towards timely meeting of project and career objectives,
- Periodic training of data collection teams across Africa on data quality and newly introduced tools,
- Conducting Research on Data Collection softwares and implementation of the best tool,
- Analysis and extraction of actionable recommendations from program data using STATA,
- Developing Advanced Excel live dashboards to track project KPIs during data collection,
- Documenting and updating reproducible data analysis STATA do files and scripts,
- Developing data management Standard Operating Procedures and protocols,
- Conducting in-depth descriptive and inferential statistical analysis to inform program implementation
- Conducting qualitative data analysis using Python to give additional insights into quantitative analyses
- Development, review and digitization of paper surveys in ODK, Kobo, and SurveyCTO
- Data uploads and query on MySQL databases

September 2018 – April 2019 • Evidence Action

Data Officer - Monitoring Learning and Evaluation

- Supervision of 10 Data scrutiny and 12 Data entry staff for the Deworm the World Initiative in Kenya.

- Developing Data Management Standard Operating Procedures and Protocols,
- Updating of the Data entry systems to capture speed and quality of data in real-time using inbuilt functions.
- Improved the time taken conducting Data entry for the Deworm the World program by capacity building and mentorship of the Data entry clerks
- Improved storage of physical forms after entry and cloud storage of the output data.
- Participated in the development of Standard Operating Procedures for the Data Management Team within the Monitoring, Learning, and Evaluation department.
- Improved the data quality by objective delegation of tasks, continuous checks and effective generation of cleaning scripts.

January 2018 - June 2018 • Dalberg Research

Data Processing Clerk

- Automated Data Quality checks for the different Market Research Projects such as:
 - *Women Empowerment in Agriculture in Rwanda and Tanzania*
 - *Fabric Care Survey Interview in Nairobi and Mombasa, Kenya*
 - *Clean Cooking Survey in Cameroon*
 - *Safe Surgery Project*
 - *Music Preference Test in Nairobi*
- Documented all the SPSS scripts for easy team access to enable collaboration,
- Supported training of data collectors both virtually and in person,
- Coding open ended questions on Excel,
- Sending error logs and achievements on a daily basis to field managers.

September 2017 • Child Protection Centre, Nakuru (Under CISP)

Research Assistant

- Conducting a client satisfaction survey,
- Data quality checks,
- Making call backs to respondents to follow up on data inconsistencies
- Basic Excel analysis of the data and writing a report.

Achievements & Publications

- Development/updating of STATA Ado.Files/programs ([sctomedia.ado](#), [geo_sequence_id.ado](#), [ctoimport.ado](#) among others) to make do.Files more reproducible and efficient
- Developed an App using Streamlit in Python to stream data from twitter (X) and clean text and run sentiment analysis on the tweets
- Published a paper on [Determinants of price fluctuations on vegetables and fruits in Karatina open air market](#) Mutahi E.W, Ngigi P.K, 2017.
- Founded a club with classmates (Applied Statistics Students Association) in Karatina University

Education

Academic Qualifications

- | | | |
|--------------------------------|---|------------------|
| • Strathmore University | <i>Masters of Science (Data Science & Analytics)</i> | 2021-2024 |
| • Karatina University | <i>Bachelor of Science (Applied Statistics with Computing)</i>
<i>Second Class Honors (Upper Division)</i> | 2013-2017 |
| • Menengai High School | | 2009-2012 |

KCSE (B+)

Referees

Mr. Gabriel Ngoga
Associate Manager,
Monitoring &
Evaluation,
Evidence Action,
Cell: +254 700 485 296/
+254 720 319 567
gabriel.ngoga@evidenceaction.org

Mr. Pascal Okuda
Data Processing
Executive,
Dalberg Research,
Cell: +254 719 716 363
pascal.okuda@dalberg.com

Dr. Flora Runji,
Head of Department,
Mathematics, Statistics and
Actuarial Science,
Karatina University,
Cell: [+254722313778](tel:+254722313778)
frunji@karu.ac.ke