BASIL OWITI OKOLA

Basil is a graduate student pursuing MSc. Statistics and Data Science and has previously held roles as a data manager and analyst. He seeks to leverage statistical, programming and analytic skills in managing, analyzing data and communicating key findings that inform policy makers in their day-today decisions.

🎓 EDUCATION

2022 | 2020

MSc. Statistics and Data Science
Hasselt, Belgium 📍 Hasselt University

- A two-year graduate degree program in Statistics and Data Science (Biostatistics track)

2015 | 2012

B.S., Applied Statistics
Kisumu, Kenya 📍 Maseno University

- A four-year undergraduate program in statistics

💻 WORK EXPERIENCE

2020 | 2018

Data Manager
Nairobi, Kenya 📍 KEMRI-Wellcome Trust Research Program

- Worked in team responsible for clinical data capture, data quality and data analysis routines as part of a routine clinical surveillance/quality improvement in public Kenyan hospitals. I was responsible for:
- Setting up electronic data capture systems in new research sites run on Linux, Php, RedCap and SQL and periodically upgrading existing sites as per the data management protocol;
- Designing data collection tools and periodically updating the data dictionaries to reflect the dynamic data needs of the project;
- Setting up automated R scripts for error checking at the local computers to help clerks determine clerical errors for rectification before they synchronize the data to the server and replicating the same checks to the server;
- Ensuring daily synchronization of data from local databases in the fields to main servers;
- Weekly data quality checks to ascertain adherence to set SOPs;
- Automating R/Python scripting to provide routine reports and visualization of large hospital data sets;
- Building R shiny dashboards for interactive reporting;

2018 | 2018

Data Analyst
Nairobi, Kenya 📍 Evidence Action

- Development of a performance monitoring plan touching on the selection of appropriate measurement, sampling, and survey strategies and the design of survey instruments used to monitor program activities;
- Routine data management including checks and reconciliation with the field monitoring teams to ensure that quality data is collected and used for program monitoring;
- Documentation of protocols to guide data management and analysis processes as requested by the program;
- Aiding the development and periodic revision of Key Performance Indicators (KPIs) to ensure they're reflective of donor requirements;
- Developing analytical codes in R and SAS to analyze and visualize the performance of the program on various KPIs;

CONTACT

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🐦 https://twitter.com/okolaowiti

🐙 https://github.com/Bokola

🔗 https://bokola214.netlify.app/

in https://www.linkedin.com/in/basil-owiti-8a32347a/

TECHNICAL SKILLS

Proficient:

- R
- Python
- Git and Github
- Linux
- Redcap

Working knowledge:

- Arango
- Graphql
- SQL
- SAS

REFEREES

1 Dr. Emelda Okiro
Lead | Population Health
KEMRI-Wellcome Trust Research Programme - CGMRC
Cell: +254 706 714 143 / +254 727 885 817 Email: EOkiro@kemri-wellcome.org

2 Dr. Peter Macharia
Postdoc Researcher| Population Health
KEMRI-Wellcome Trust Research Programme - CGMRC
Cell: +254 723 122 000
Email: PMacharia@kemri-wellcome.org

3 Mike English
Prof. International Child Health
University of Oxford, & Wellcome Trust Senior Research Fellow
KEMRI-Wellcome Trust Research Programme
Email: MEnglish@kemri-wellcome.org

INTERNSHIPS

2017
|
2017

Research Intern

Nairobi, Kenya

📍 KEMRI-Wellcome Trust Research Program

- Systematic review of available literature on civil registration and vital statistics in Africa
- Estimation of death registration coverage in all counties using age-specific data (2014 and 2015) retrieved from Kenya's Civil Registration Service
- Routine data management in SAS (cleaning and trend analysis) of age-specific malaria admissions and deaths from four districts (Kisii, Homa Bay, Busia and Kwale)
- Taking part in statistical trainings offered within the programme – time series analysis of health research data