

# GEOFFREY MUCHAI WANGO

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Economics and Mathematics graduate with hands-on experience in official data collection, statistical analysis, and data quality control through national assignments and applied statistical projects. Experienced in working with large datasets, implementing field control measures, and applying sampling and statistical standards using Excel, STATA, and R. Strong understanding of Kenya's official statistics environment and KNBS data quality requirements.

## Contact

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0726-220-020

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## Education

### KABARAK UNIVERSITY

BSc. in Economics & Mathematics

Graduated: December 2022

## Skills

**Data & Tools:** Excel (Advanced), STATA (Intermediate), R (Basic), SQL (Basic)

**Analysis Methods:** Statistical analysis, cost-effectiveness analysis, budget impact analysis

### Research & Writing:

Literature review, technical editing, report preparation

### Professional Skills:

Client service, teamwork, compliance awareness, attention to detail, time management

## Experience

### Freelance Mathematics & Economics Writer | Dec 2022 – Present

- Delivered 200+ projects in economics and mathematics for international clients, achieving 95% repeat business.
- Simplified complex quantitative concepts into clear reports, supporting academic research and professional publications.
- Consistently met tight deadlines with accurate, client-ready work.

### Sampling Error and Non-Response Bias Evaluation Project- Independent Applied Statistics Project

- Designed and evaluated probability-based sampling approaches using publicly available KNBS population data.
- Assessed sampling errors, margins of error, and non-response bias under different sampling scenarios.
- Simulated survey samples and documented impacts of non-response on statistical reliability.
- Applied statistical standards and quality checks aligned with official survey methodology.

### Field Data Quality Monitoring and Control Framework-Independent Field Statistics Project

- Designed a field data quality monitoring framework to track questionnaire dispatch, receipt, and response rates.
- Developed control indicators for detecting non-response, inconsistencies, and data completeness issues.
- Created an Excel-based monitoring dashboard to support follow-ups and field supervision.
- Documented data validation procedures and quality assurance measures applicable to county-level data collection.

### **Finance & Operations Intern – Amica Sacco, Murang’a | Feb – Apr 2022**

- Assisted in preparing financial statements, including income statements, balance sheets, and cash flow reports.
- Conducted bank reconciliations, verified invoices, and supported accounts payable and receivable operations.
- Supported internal audit activities by gathering documents and verifying compliance with SACCO policies.
- Provided customer service assistance, helping members with inquiries and account management.
- Gained exposure to SASRA regulatory standards, enhancing awareness of compliance and financial integrity.

### **National Projects (KNBS Census 2019, IEBC Elections 2022)**

- Collected and verified large-scale data under strict deadlines, exceeding daily targets with accuracy.
- Maintained impartiality and confidentiality while serving diverse communities in high-pressure environments.

### **Referees**

Moses Njagi – Manager, Amica Sacco

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Linus Irungu – Operations Manager, Amica Sacco

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Dr. Kibati Patrick – Dean, School of Business, Kabarak University

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