

Keesha Ngombo

Data Analysis & Sciences

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Mobile: +1(337)294-7748 | k.ngombomouelet@vikes.csuohio.edu | [LinkedIn](#) | [GitHub](#)

Skills and Competencies

- **Programming & Tools:** R, Minitab, SQL, Survey Solutions, Qualtrics, Google Forms, Google Cloud
- **Data Analysis & Modeling:** Statistical inference, anomaly detection, regression (Linear, Logistic, Multivariate, Lasso, Ridge), Cross-validation (k-fold), Data Transformation & Cleaning
- **Data Visualization:** Tableau, R (ggplot2, plotly), PowerPoint, Advanced Excel
- **Statistical Research:** Survey Design, Statistical Modeling & Inference, Information Literacy
- **Foundational Knowledge:** Python, SAS, Power BI (basic scripting and data manipulation)
- **Collaboration & Communication:** Cross-functional teamwork, ad-hoc analysis, stakeholder insights

Education

- Master of Science Statistics and Analytics (2025). Cleveland State University, Ohio (GPA 3.8)
- BSc Mathematical Sciences & Business (2019). Cape Town University of Technology, South Africa (GPA 3.9)

Professional Experience

Cleveland State University

Instructor in Introductory Statistics (Jan 2025 - May 2025)

- Delivered applied statistical training with real-world healthcare and business case studies.
- Emphasized interpretation of datasets and policy impact evaluation.

Graduate Teaching Assistant (Aug 2023 - May 2025)

- Supported students one-on-one with statistical software and Excel for quantitative literacy assignments.

Instructor in Foundations of Quantitative Literacy

- Assumed the final two months of instruction, ensuring continuity with interactive strategies.

Freelance Graphic Designer (Aug 2021 - Oct 2022)

- Delivered custom business reports and dashboards using Canva, Excel, and PowerPoint.
- Designed visual analytics tools to track project outcomes for clients in education and business.

General Directorate of Statistics, Gabon, Central Africa

Statistician Intern (Feb 2022 - Oct 2022)

- Supported data validation and integrity checks across national company databases for economic analysis.
- Performed quality assurance on datasets, ensuring accuracy for economic analysis.
- Classified business activities using AFRISTAT standards and assisted in cleaning tax declaration records.
- Applied Excel functions (VLOOKUP, PivotTables) for labor market segmentation and economic trend analysis.
- Coordinated field data collection and led interviews for business registry updates, securing full company cooperation.
- Contributed to regulatory and policy development projects with measurable impact on trade zones.

Statistics South Africa

Digital Systems Development and Data Analysis Intern (June 2019 - Sept 2019)

- Transitioned communication systems from paper to digital using Python and Kivy; improved internal workflow.
- Analyzed survey feedback on digital tools; reported findings to influence tech adaptation and process compliance.

- Attended and documented conferences focused on policy design based on national data reports.

Volunteer Experience

- Science Fair Judge at John Marshall CBL -Assessment and reporting on high school experiment projects (Jan 2025)
- Tutor, Christian Light Church, Gabon -Tutored high school students (2022)
- Volunteer, Beautiful Gate, South Africa - Supported community outreach activities (2019)

Global Projects

- Entrepreneurial Business Metrics: Multivariate analysis of startup viability in developing markets (Spring 2025)
 - Amazon Customer Review Perception Analysis: Bayesian modeling to analyze purchasing behavior (Fall 2024)
 - Experimental Analysis: Effect of Music Genres on Students' Discerning Capabilities - Collaborative Project (2024)
 - Urban Transit Adoption Study: Team-led project using survey design and logistic regression (Fall 2023)
 - Digital Diary App: Developed an internal tool using Python for digital transformation (Fall 2019)
 - Evaluation: K-means clustering and Convolutional Neural Networks using MATLAB (CNN) (2019)
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