

# JOHN KARUITHA

## DATA ANALYST

### CAREER OBJECTIVE

To work with data in roles like Data analyst, M&E analyst or Data scientist. I am a proficient researcher in financial economics providing data-driven, action-oriented solutions to business problems through data analysis and business research. With the ability to deliver insights, interrogate data, and communicate results to a non-technical audience and stakeholders. Adept at conducting interviews, literature reviews and data synthesis and analysis. Well-versed in creating efficient systems to organize and manage data. Capable of providing valuable insights through forecasting/prediction, producing reports and dashboards on KPI by applying statistical techniques such as A/B tests, inference, time series or regression analysis. With the ability to lead, train and mentor team members.

### EXPERIENCE

#### MACROECONOMIC STATISTICIAN- SOVEREIGN DEBT

*Trounceflow, Remote (UK Based Company) Feb 2022 - Present*

- Accurately and efficiently gathers sovereign debt data from Central Banks PDF reports for different countries and cleans the data using the R Programming language.
- Creates five (5) spreadsheets using Microsoft Excel for weekly data dissemination.
- Gathers, arranges and corrects research data to create representative graphs and charts highlighting results for presentations and publication.

#### TUTORIAL FELLOW

*Karatina University, Karatina, Kenya / Jan 2012 - Present*

- Evaluates and revise lesson plans, course content learning modalities and support materials to achieve student-centred learning.
- Delivers lectures in finance and accounting to classes averaging 40 students.
- Oversees eight (8) undergraduate student projects annually and advises on focus, methodology and report generation to meet preset standards.
- Grades assignments according to strict institutional policies, upholding guidelines for academic integrity while disciplining plagiarism and cheating.
- Participates in two (2) academic and professional conferences annually to remain aware of developments in finance.
- Publishes research articles in refereed journals as part of

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📍 Nairobi, Kenya

### EDUCATION

#### UNIVERSITY OF THE WITWATERSRAND, JOHANNESBURG

*Johannesburg, South Africa*

*Ph.D. Financial Economics (Jan 2022)*

*Relevant Coursework*

- Financial Econometrics
- Research Methods

#### EGERTON UNIVERSITY

*Nakuru, Kenya*

*MBA Finance (Oct 2006)*

*Relevant Coursework*

- Finance

#### EGERTON UNIVERSITY

**GPA: 3**

*Nakuru, Kenya*

*Bachelor of Education, Arts (Jan 2001)*

*Relevant Coursework*

- Economics & Maths
- Curriculum Development

### ADDITIONAL SKILLS

R Programming

R Markdown

Quantitative Analysis

Git/GitHub

SQL: Intermediate

Ms Excel

Stata (Beginner)

Financial analysis and reporting

university research agenda.

- Participates in and leads committee meetings to review three (3) curricula and design new curricula in business education.

## **GRADUATE RESEARCH ASSISTANT**

*University of the Witwatersrand, Johannesburg, Johannesburg, Gauteng / Jan 2017 - Dec 2021*

- Researched information regarding Financial Economics and completed administrative duties to assist professors with academic pursuits.
- Gathered, arranged and corrected research data from The IMF, World Bank, MIX Market, BankScope and Bloomberg to create representative graphs and charts highlighting results for presentations.
- Performed statistical, qualitative and quantitative analysis using R Programming language, Stata, Eviews, and Ms Excel.
- Attended seminars and symposiums in Economics, Econometrics, and Finance to improve overall knowledge and understanding.

## **ADJUNCT LECTURER, ACCOUNTING & FINANCE DEPARTMENT**

*Egerton University, Nakuru, Kenya / Jan 2011 - Sep 2012*

- Evaluated and revised lesson plans and course content to achieve student-centered learning.
- Delivered lectures to finance and accounting students.
- Oversaw graduate student projects and advised on focus, methodology and report generation to meet preset standards.

## **PROJECT MANAGER, ENVIRONMENT AND LIVELIHOODS**

*NECLI CBO, Kinamba, Kenya / Oct 2009 - Dec 2010*

- Developed and initiated projects, managed costs, and monitored performance for the US\$ 200,000 program.
- Updated operational methods, oversaw accounting procedures in Microsoft Excel, tracked information and compiled data to improve efficiency in project delivery.
- Reported regularly to donors (European Union, EU, Danish Development Agency DANIDA, and CDTF), the board, and stakeholders on project budget, progress and technical problems.
- Adhered to budget requirements with excellent planning and consistent expense monitoring while meeting the set milestones.

## **FINANCE OFFICER**

*Twana Twitu Cares, Nairobi, Kenya / Jan 2008 - Sep 2009*

- Established and enforced controls on revenue and expenses to protect company assets.
- Monitored budget, revenue and variance trends for \$300,000 AED/USAID and AMREF grants, regularly apprising CEO and the board of company's financial standing.
- Used QuickBooks to prepare monthly reconciliation of bank

Budget forecasting

Financial Management

Accounting /GAAP

Training and Development

Analytical and Critical Thinking

Research design & Reporting

## **CERTIFICATIONS**

2021: HarvardX: Harvard University on EdX: Professional Certificate in Data Science.

2020: MITx: MIT on EdX: The Analytics Edge.

2022: DataCamp: Data Scientist with R.

2022: DataCamp: Data Analyst with R.

2020: Udemy: R Programming: Advanced Analytics in R for Data Science.

2020: Udemy: Data Science and Machine Learning Bootcamp with R.

2009: Certified Information Systems Auditor.

2008: Certified Public Accountant of Kenya.

## **AWARDS**

Africa Economic Research Consortium (AERC) PHD Research Grant, 2020

Banking sector education & training authority (BANKSETA) PhD scholarship, 2020

Post Graduate Merit Award, Wits University, 2017-2019

Bradlows Foundation PhD Scholarship, 2018

Merit Award, Top 10 in Accounting Exams candidate in Kenya, 2008

## **PUBLICATIONS**

accounts and take corrective actions on deviations.

- Verified compliance of financial policies and accounting procedures against USAID regulations.

## RESEARCH ASSISTANT

*Kenya Institute of Public Policy Research and Analysis (KIPPRA),  
Nakuru, Kenya / Apr 2006 - Dec 2006*

- Worked with principal investigators to coordinate qualitative research into public finance, devolved funds.
- Supported design and implementation of survey instruments such as questionnaires to obtain data.
- Validated incoming data to check information accuracy and integrity while independently locating and correcting concerns.
- Planned, modified and executed research techniques and procedures.

## REFERENCES

References available upon request

## LANGUAGES

Kikuyu  
English  
Kiswahili

## DATA ANALYSIS PORTFOLIO

My Data Analysis Portfolio is available on [rpubs.com/Karuitha](https://rpubs.com/Karuitha)

Encouraging Women and Youth  
Participation in Africa's  
Agriculture

Addressing value Chains and  
policies to enhance youth and  
women in African agriculture

Youth and the Digital Economy in  
Africa.

Why fintech lending could push  
the poor into debt trap.

Management of Financial Crises:  
Priorities for Rebuilding the  
Financial Architecture in Africa.

More publications and Awards on  
[linkedin.com/Karuitha](https://www.linkedin.com/Karuitha)