


Shelmith Kariuki

Senior Data Analyst

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 Nairobi, Kenya

I am a data scientist currently based in Nairobi, Kenya. I am actively part of a team that transforms data into knowledge that helps clients scale up the products that they produce. I am also an active member of amazing data communities in Nairobi, i.e PyData Nairobi, Nairobi Women in Machine Learning, AI Kenya, NairobiR and AfricaR. I have been working with R for 6 years, and with Python for 2 years. I enjoy learning new things each day, and I am always ready to take up new challenges as they arise.

Competencies

Statistics software : R, STATA, SPSS

Programming : Python, SQL

Databases : MySQL, PostgreSQL

Development editors : RStudio, Sublime

Data visualization/Reporting : R Markdown, Jupyter notebook, R Shiny

Operating systems : Mac OS, Windows, Linux

Survey Programming : ODK







Professional Experience

August 2019

May 2017

Data Analyst, Busara Centre for Behavioural Economics, Nairobi, Kenya

- › Data validation and processing
- › Analysis of data from field, lab studies and transactional data from institutions
- › Designing data collection tools using Survey CTO
- › Cleaning data and conducting high frequency checks
- › Generating visualisations (using R's ggplot2 and R Shiny)
- › Preparing data tasks for interviewees
- › Training R to research analysts and associates
- › Attending client meetings, to explain statistical concepts to them
- › Assist in preparation of pre-analysis plans by selecting appropriate statistical methods
- › Development of interactive dashboards
- › Collaborate with the programming team to develop internal systems
- › Application of machine learning algorithms to build predictive models
- › Assist in designing reviewing research tools and writing proposals

2017

2015

Assistant Lecturer, JKUAT, Karatina University, Kimathi University

- › Teaching statistics and actuarial science units.
- › Teaching statistical programming in R
- › Setting and marking exams
- › Invigilating exams



Projects and Achievements

- > The Human Account : "<https://www.thehumanaccount.com/>"
- > Busara Off The Record : "<https://medium.com/busara-center-blog/off-the-record/home>"
- > DSA Addis Africa, 2019 : "<https://www.youtube.com/watch?v=cG5bHwoQ7nc>", "<https://www.youtube.com/watch?v=LfINGdzoMJE>"
- > AfricaR Lead : "<https://twitter.com/AfricaRUsers>"
- > Lead Trainer, Zukademy : "<http://www.zukademy.com/>"
- > Lead Facilitor, NairobiR
- > Lead Facilitor, PyData Nairobi
- > Zindi Ambassador for Kenya, "<https://zindi.africa/blog/meet-our-zindi-ambassadors>"
- > Lecturer, International Summer School in Uganda : Survey Methodology and Data Management (ISSU), "<https://www.gesis.org/en/services/events/gesis-training/international-summer-school-in-uganda/introduction-to-data-analysis-using-r/>"

Languages

English ● ● ● ● ●
Swahili ● ● ● ● ●

Strengths

- > Capacity Building
- > Passionate
- > Motivated
- > Team Player

Education

2015 Msc. Applied Statistics - Jomo Kenyatta University of Agriculture and Technology (JKUAT), Kenya
2012 Bsc. Actuarial Science - Jomo Kenyatta University of Agriculture and Technology (JKUAT), Kenya

References

Antony Waititu, *Professor - JKUAT*

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@ to be shared upon request

Nathanial Peterson, *Engagement Director, Busara Center for Behavioral Economics*

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