

SAMUEL MURIITHI WANJIRU

EMAIL: samuelmwanjiru06@gmail.com

TEL: +254 (0) 742548359

LINKEDIN: www.linkedin.com/in/samuel-mureithi-wanjiru/

Well-organized and skilled data science professional with experience in gathering, mining, cleansing, analyzing, modeling data, creating machine learning algorithms and using predictive data modeling techniques to deliver unique insights and actionable solutions to complex business problems, thereby ensuring effective business outcomes. Exceptionally adept at applying exploratory data analysis and statistical analysis to identify opportunities for leveraging data to drive business solutions. Looking to leverage my knowledge and experience into a role as a Data Scientist – Machine Learning and AI.

PROFESSIONAL EXPERIENCE

AUGUST 2018 – PRESENT

Legal & Compliance Data Scientist

Waiganjo Wachira Advocates, Nairobi, Kenya

- Structuring and analyzing legal and compliance data.
- Providing advice on software and hardware needs
- Advising the business leadership team on analytics value opportunities.
- Visualizing information and developing legal and compliance reports and dashboards.
- Leading analytical projects aimed at internal process and performance improvement.
- Working with stakeholders throughout the organization to identify opportunities for leveraging data to drive solutions.
- Using data to develop a deep understanding of various legal and compliance risks.
- Build common analytic platforms for use throughout the legal departments.

JANUARY 2022 – MAY 2022

Data Scientist - Intern

ILab Africa, Strathmore University, Kenya

- Managing, analyzing and visualizing data using plotly, matplotlib, seaborn and ggplot2.
- Generating reports and dashboards using Power BI and Microsoft Office tools
- Manipulating and transforming large data sets using SQL.
- Analyzing GIS data using QGIS
- Conducting Mobile data collection using KoboCollect
- Formulating machine-learning algorithms and carrying out predictive data modeling.
- Conduct project research, targeted evaluation, surveillance surveys as well as aid in the training of system users
- Worked with both structured and unstructured big data

FEBRUARY 2022 – MAY 2022

Data Science Attaché

DTU Skylab, Technical University of Denmark, Denmark

- Team lead for team Kenya
- Data extraction, collection, cleaning and analysis
- Analysis of historical data to identify past and current patterns
- Software planning and development
- Prototyping and testing
- Report writing and presenting

JANUARY 2020 – DECEMBER 2020

Assistant Lecturer

Jomo Kenyatta University of Agriculture and Technology (JKUAT), Kenya

- Student intake and performance analysis using R and Microsoft Excel
- Report generation using Microsoft Excel and Power BI
- Examinations and continuous assessment tests administration
- Student marks recording using Microsoft Excel.
- Advice students on enhanced study skills and problem solving
- Taught units such as Financial Time Series Analysis and Risk Management.

RESEARCH EXPERIENCE

Publication

Samuel Wanjiru, Anthony Waititu and Anthony Wanjoya. Deep Convolution Neural Network with Dropout in Modeling Exchange Rate Volatility, *International Journal of Data Science and Analysis*. Volume 8, Issue 2, April 2022, pp. 38-46. doi: 10.11648/j.ijdsa.20220802.14

[link to paper publication](#)

EDUCATION

2019 – 2022

Masters of Science in Applied Statistics

Jomo Kenyatta University of Agriculture and Technology (JKUAT), Kenya

2014 – 2018

Bachelors of Science in Mathematics (Statistics) and Computer Science

SECOND CLASS HONORS, UPPER DIVISION

Taita Taveta University (TTU), Kenya

COMPUTER SKILLS

- Python
- R
- Power BI
- GIS
- Git
- SQL
- Microsoft Excel
- SPSS
- Java Script

SKILLS AND COMPETENCES

- Proficient in all areas of advanced analytics and version control using tools such as python, SPSS, R, Git and Java Script.
- Highly skilled in report and dashboard generation using Power BI and Microsoft Excel.
- Proficient in visualizations using plotly, matplotlib, seaborn and ggplot2
- Proficient in deep learning technologies using TensorFlow.
- Proficient in building deep learning solutions for real world applications such as time series analysis.
- Well versed in database creation and management using SQL.
- A strong communicator, team player, creative, innovative, open-minded and superb critical thinker.
- Ability to build strong relationships with clients and colleagues.

ACHIEVEMENTS, AWARDS AND CERTIFICATIONS

- **Data Science** - Strathmore University
- **Data Science** – Jomo Kenyatta University of Agriculture and Technology
- **Machine Learning** - Jomo Kenyatta University of Agriculture and Technology
- **Participant of Global Water Initiative** – DTU Skylab, Denmark
- **Research Ethics Training Curriculum** – Family Health International 360
- **1st runners up in 2021 Africa Statistics Day Hackathon on Promoting Data Use** - Kenya National Bureau of Statistics
- **Data Science Scholarship** – ilab Africa, Strathmore University

EXTRA-CURRICULAR ACTIVITIES

- Red Cross member, Taita Taveta University chapter, which involved amongst other things visiting children homes and performing community service.
- School Captain, Kiaguthu Boys School, which involved amongst other things providing leadership to the students, mentor other students, organize and conduct general school assemblies.

LANGUAGES

- English Fluent and proficiency in writing.
- Kiswahili Fluent (Native Language)