Kiragu. M. George, Mr.

georgemuraya@gmail.com   P.O Box 12683-20100, Nakuru , Kenya
linkedin.com/in/george-kiragu   github.com/GeorMurk

EDUCATION	**Honors Sc.**, WorldQuant University	(January 2019 - September 2019)
	Major: Machine Learning and Statistical Analysis	
	B.Ed(Arts), Egerton University, Njoro-Kenya	(September 2013 - June 2017)
	Major: Mathematics and Geography	
	Associate, University of Notre Dame	(September 2017 - January 2018)
	Major: Geographic Information Systems.	
	Associate, Havardx	(February 2018 - January 2019)
	Major: Climate Energy	

TECHNICAL SKILLS

Software including: Git, SQLite, Tableau, PowerBI, QGis, Anaconda, Android Studio, Blender, Inkscape.

Packages including: Python, SciKit, sklearn (contributor), pandas, NumPy, plotly, SciPy, matplotlib, folium, Streamlit, Django

TECHNICAL EXPERIENCE

International Center for Humanitarian Affairs   Nairobi, Kenya
Cash Voucher Assistance Information Management Officer   (March 2021 - Present)

- Consultation: Support regional countries (Uganda, Ethiopia, Zimbabwe) to advocate for Information Management, tools options, analysis of data needs in programme Standard operating procedures
- Training: Facilitate or Support in training to introduce concepts and Training for Specific Information Management skills in cash context including Market Assessments.
- Operational Support: Dedicate or provide direct assistance to deliverables in a specific operations.
- Monitoring and Evaluation: Facilitate or Support during lesson learning and experience sharing to benefit the wider Red Cross Red Crescent Network.
- Data Literacy: Provide pratical guidance or advice on data protection in Cash Voucher Assistance (CVA) related to the IFRC policy.
  Facilitate the data literacy workshop for CVA, advice on data considerations in Cash SoP's.

- Data Collection: Provide technical support for KoBo Toolbox/ODK srver set-up and forms creation.
  Design of survey forms(Assessment, Market Monitoring, beneficiary registration and identification)

- Data Management: Design of beneficiary database to register and monitor CVA interventions.
  Analysis and Set-Up of RedRose or equivalent data management platforms.
  Use of digital communications for Post-Distribution Monitoring
  Advice on digital payments and integration with data management.
  Support for audit and data security.

- Data Visualization: Design and assist in developing dashboards, reports, maps, to indicate programme status and progress
  design and develop of Visualization for Community Engagement and Accountability.
  Basic training on Visualization tools such as PowerBI, Tableau Excel graphs.

- Data Analysis: Design and develop tools to analyse markets, socio-economic indicators and other sectoral inputs.

Assist in analysing assessment data, response analysis, transfer value, targeting, programme progress and impact.

Freelance   Nakuru, Kenya
Data Scientist   (February 2018 - March 2021)
- Develop Machine Learning Models and Data Analysis for Community Contributions
- Data Visualizations for Humanitarian and Health Sectors
- Web Developer
- Graphic Designer.
- Android app tester.

Oil-Crop Development LTD (Faida Seeds)   Nakuru, Kenya
Field Supervisor   (November 2019 - February 2020)
- Supervised farm preparations activities
- Tallying of daily package production
- Accounting for the casual-labour workforce including daily wages.
- Checking invoices, receipts and issue notes

Teaching Experience	**Kenyatta Girls Secondary School** — Thika,Kenya

Kenyatta Girls Secondary School   Thika,Kenya
Teacher - Internship   (May 2016 - August 2016)
- Taught Mathematics and Geography
- Set, Invigilated, Marked internal Examinations
- Prepared Schemes of Work and Lesson Plans.

Leadership Experience

Red Cross Red Crescent Cash and Water, Sanitation and Hygiene Technical Working Group   Global, Worldwide
Member of the Pilot Projects Workstream   December 2022 - Present
Kenya Cash Working Group   Kenya, Kenya
Member   (March 2021 - Present)
- Lead of the Information Management Workstream
- Member of the Minimum Expediture Basket Workstream
- Member of the Kenya Cash Working Group

Community Service

Kenya Red Cross Society   Nakuru, Kenya
Volunteer   (January 2018 - Present)
- Data and GIS Focal person
- Provided support in the creation of the SARS - nCoVid-19 dashboard
- Supported the nCoVid-19 Fumigation Pilot Project.
- Participated in the 2018 Safer Access Review Framework.

Nairobi Women in Machine Learning and Data Science   Nairobi, Kenya
Co-Organiser   (April 2020 - Present)
- <u>Deep Dives:</u> A hands-on project that helps members within the NWiMLDS Community acquire practical skills in data science, Machine Learning and A.I. that are curtailed and curated in their various environmental realities.

SciKit-Learn Open Source Contribution Sprint   Global, Worldwide
Contributor   (June 2020 - Present)
Rotaract Club of Menengai   Nakuru, Kenya
Member   (Oct 2020 - March 2021)
- Public Relations (P.R) and Design Director
- Club Secretary
- Board Member

Awards	**International Federation of the Red Cross Red Crescent Movement** Academy	Solferino
	Strategic Foresight and Futures Explorer	(November 2022)

- Strategic Foresight Explorer

Publications   *Submitted*: **Pre-Crisis Market Mapping and Analysis Report for Tana River (Oct - Nov 2021)**

Submitted: **Pre-Crisis Market Mapping and Analysis Report for West Pokot and Kitui (Sept - Oct 2021)**

References

Dr. Halima Saado (PhD)	Steve Kenei	George Kihiko
Ag. Vice-Chancellor	GIS/IM	Operations Manager,
UMMA University	American Red Cross	Oil Crop Development Ltd
Nairobi.	Nairobi	P.O Box 2657, 20100,
+254710315830	+254723704126	Nakuru.
dr.saadoabdillahi@gmail.com	steve.kenei@redcross.org	+254721788917
	stevekenei@gmail.com	george.njihia@faidaseeds.com