

## Kiragu. M. George, Mr.

[georgemuraya@gmail.com](mailto:georgemuraya@gmail.com)  
[linkedin.com/in/george-kiragu](https://www.linkedin.com/in/george-kiragu)

P.O Box 12683-20100, Nakuru , Kenya  
[github.com/GeorMurk](https://github.com/GeorMurk)

EDUCATION	<b>Honors Sc.</b> , WorldQuant University	(January 2019 - September 2019)
	Major: Machine Learning and Statistical Analysis	
	<b>B.Ed(Arts)</b> , Egerton University, Njoro-Kenya	(September 2013 - June 2017)
	Major: Mathematics and Geography	
	<b>Associate</b> , <a href="#">University of Notre Dame</a>	(September 2017 - January 2018)
	Major: Geographic Information Systems.	
	<b>Associate</b> , <a href="#">Harvardx</a>	(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, L <sup>A</sup> T <sub>E</sub> X

TECHNICAL EXPERIENCE	<b>International Center for Humanitarian Affairs (ICHA)</b>	Nairobi, Kenya
	<i>Information Management Officer</i>	(January 2024 - Present)
	<ul style="list-style-type: none"><li>• <u>Data Collection and Analysis</u> : I collaborated with Programme teams (Operational Disaster Management, Global Fund, Research Hub (ICHA)) through Monitoring Evaluation Accountability and Learning department to identify data needs and data collection tools and methodologies. I supported in Collecting, Cleaning and Validating data from various sources (ODK, Microsoft Forms, Google Forms) to ensure accuracy and reliability. I analysed data using Statistical (Python, Excel) and Data Visualization techniques (PowerBI, Tableau, Streamlit) to extract meaningful insights for the senior management teams. I prepared reports and presentations based on the analysed data to facilitate showcasing and publications of work done by different projects.</li><li>• <u>Information Management Systems</u> : I maintained and updated Information Management Systems (Such as the RedRose and 121 platforms which are beneficiary management platforms for delivering Cash Voucher Assistance interventions on developing Vouchers and Disbursing Cash directly respectively) and DataBases (SQLite3) to ensure data integrity and accessibility. I developed and implemented data storage and archiving procedures in compliance with organizational policies and Standards. I also provided trainings and support to staff on using information management systems effectively.</li><li>• <u>Information Dissemination</u> : I designed and produced information products (Maps, Charts and Dashboards) to visualise and communicate to stakeholders. I coordinated with public relations and communications department to disseminate information through various channels (X previously called Twitter, Institutional website and magazines, ReliefWeb, and LinkedIn).</li><li>• <u>Capacity Building and Coordination</u> : I conducted capacity-building, workshops and trainings activities (HQ, Regional and Special Refugee settings) to enhance staff and volunteer skills in information management and analysis. I collaborated with internal and external (including UN agencies) partners to share information to facilitate regional reporting, best practices and lessons learned. I also participated in coordination meetings and working groups to contribute to the development of information management strategies and standards.</li></ul>	

## **International Center for Humanitarian Affairs (ICHA)**

*Cash Voucher Assistance Information Management Officer*

Nairobi, Kenya

(March 2021 - Dec 2023)

- Consultation: I supported regional countries (Uganda, Ethiopia, Zimbabwe) to advocate for Information Management, tools options, analysis of data needs in programme Standard operating procedures
- Training: I facilitated and supported in providing training to introduce concepts and Training for Specific Information Management skills in cash context including Market Assessments.
- Operational Support: I dedicated and provided direct assistance to deliverables in programming operations.  
I supported in conducting Market Assessment (Pre-Crisis Market Assessments, Operational Market Assessments)
- Monitoring and Evaluation: I facilitated and provided support during lesson learning and experience sharing to benefit the wider Red Cross Red Crescent Network.
- Data Literacy: I provided practical guidance or advice on data protection in Cash Voucher Assistance (CVA) related to the IFRC policy.  
I facilitated data literacy workshops for CVA, advice on data considerations in Cash SoP's.
- Data Collection: I provided technical support for KoBo Toolbox/ODK server set-up and forms creation.  
I designed survey forms (Assessment, Market Monitoring, beneficiary registration and identification)
- Data Management: I supported in the design of beneficiary database to register and monitor CVA interventions.  
I supported in analysing programme progresses and Set-Up of RedRose data management platforms.  
I aided in the use of digital communications for Post-Distribution Monitoring  
I would provide advice on digital payments and integration with data management.  
I aided in providing support for audit and data security.
- Data Visualization: I would design and assist in developing dashboards, reports, maps, to indicate programme status and progress  
I designed and developed Visualization for Community Engagement and Accountability.  
I facilitated basic training on Visualization tools such as PowerBI, Tableau Excel graphs.
- Data Analysis: I designed and develop tools to analyse markets, socio-economic indicators and other sectoral inputs.  
I assisted in analysing assessment data, response analysis, transfer value, targeting, programme progress and impact.

## **Freelance**

*Data Scientist*

Nakuru, Kenya

(February 2018 - March 2021)

- I would develop Machine Learning Statistical Models and Data Analysis for Community Contributions
- I did data visualizations for Humanitarian and Health Sectors on nCoVid-19 utilising Susceptible Infected and Recovery (SIR) modeling.
- I would develop report Web Pages to showcase findings to conference audiences.
- I freelanced as a Graphic Designer.
- I would also support Android developers as a front-end Android app tester.

	<b>Oil-Crop Development LTD</b> (Faida Seeds) <i>Field Supervisor</i> <ul style="list-style-type: none"> <li>• Supervised farm preparations activities</li> <li>• Tallying of daily package production</li> <li>• Accounting for the casual-labour workforce including daily wages.</li> <li>• Checking invoices, receipts and issue notes</li> </ul>	Nakuru, Kenya (November 2019 - February 2020)
Teaching Experience	<b>Cash Voucher Assistance for WASH outcomes</b> <i>Training - Facilitator</i> <ul style="list-style-type: none"> <li>• Facilitate trainings on CVA for WASH outcomes as per the Global WASH Cluster (GWC) guidelines.</li> </ul>	International, Global (May 2023 - Present)
	<b>Kenyatta Girls Secondary School</b> <i>Teacher - Internship</i> <ul style="list-style-type: none"> <li>• Taught Mathematics and Geography</li> <li>• Set, Invigilated, Marked internal Examinations</li> <li>• Prepared Schemes of Work and Lesson Plans.</li> </ul>	Thika, Kenya (May 2016 - August 2016)
Leadership Experience	<b>Red Cross Red Crescent Cash and Water, Sanitation and Hygiene Technical Working Group</b> <i>Focal Person of the Pilot Projects and Training Workstreams</i>	Global, Worldwide Oct 2023 - Present
	<b>Red Cross Red Crescent Cash and Water, Sanitation and Hygiene Technical Working Group</b> <i>Deputy Focal Person of the Pilot Projects and Training Workstreams</i>	Global, Worldwide May 2023 - Oct 2023
	<b>Kenya Cash Working Group</b> <i>Member</i> <ul style="list-style-type: none"> <li>• Lead of the Information Management Workstream</li> <li>• Member of the Minimum Expenditure Basket Workstream</li> <li>• Member of the Kenya Cash Working Group</li> </ul>	Kenya, Kenya (March 2021 - Present)
Community Service	<b>Kenya Red Cross Society</b> <i>Volunteer</i> <ul style="list-style-type: none"> <li>• Data and GIS Focal person</li> <li>• Provided support in the creation of the SARS - nCoVid-19 dashboard</li> <li>• Supported the nCoVid-19 Fumigation Pilot Project.</li> <li>• Participated in the 2018 Safer Access Review Framework.</li> </ul>	Nakuru, Kenya (January 2018 - Present)
	<b>Nairobi Women in Machine Learning and Data Science</b> <i>Co-Organiser</i> <ul style="list-style-type: none"> <li>• <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.</li> </ul>	Nairobi, Kenya (April 2020 - Present)
	<b>SciKit-Learn Open Source Contribution Sprint</b> <i>Contributor</i>	Global, Worldwide (June 2020 - Present)
	<b>Rotaract Club of Menengai</b> <i>Member</i> <ul style="list-style-type: none"> <li>• Public Relations (P.R) and Design Director</li> <li>• Club Secretary</li> <li>• Board Member</li> </ul>	Nakuru, Kenya (Oct 2020 - March 2021)

Awards	<b>Microsoft Global Hackathon 2023</b>	Microsoft Incorporation
	<i>RedCross Arid and SemiArid Population Movement Predictor Modelling</i>	(December 2023)
	<b>International Federation of the Red Cross Red Crescent Movement Academy</b>	Solferino
	<i>Strategic Foresight and Futures Explorer</i>	(November 2022)
	• <a href="#">Strategic Foresight Explorer</a>	
	<b>Red Cross Red Crescent Movement Market-Based programming for WASH</b>	British Red Cross Society
	<i>ToT for Market-Based Programming for WASH outcomes</i>	(December 2022)
	<b>Linking Social Protection and Humanitarian CVA</b>	CaLP Network
	<i>Linking SP and Humanitarian CVA</i>	(March 2023)
	<b>Humanitarian Diplomacy and Durable Solutions</b>	Regional Durable Solutions (ReDSS)
Publications	<i>Durable Solutions</i>	(March 2023)
	<i>Published: <a href="#">Pre-crisis Market Mapping and Analysis Report for Busia County</a></i>	
	<i>Published: <a href="#">Pre-Crisis Market Mapping and Analysis Report for Tana River (Oct - Nov 2021)</a></i>	
	<i>Published: <a href="#">Pre-Crisis Market Mapping and Analysis Report for West Pokot and Kitui (Sept - Oct 2021)</a></i>	
	<i>Published: <a href="#">WASH market assesment in Taita Taveta - Kenya (2023)</a></i>	

## References

Dr. Halima Saado (PhD) Ag. Vice-Chancellor UMMA University Nairobi. +254710315830 dr.saadoabdillahi@gmail.com	Steve Kenei GIS/IM American Red Cross Nairobi +254723704126 steve.kenei@redcross.org stevekenei@gmail.com	Safia Verjee Executive Director, International Center for Humanitarian Affairs P.O Box 40712, 00100, Nairobi. +254728679644 verjee.safia@redcross.or.ke
--	---	---