# ERIC MBURU NJIRAINI

Nairobi, KE | Phone: +254 700 463 660 | menjiraini@gmail.com |https://www.linkedin.com/in/eric-njiraini/

## Summary

I am a data analytics leader with 6+ years of experience transforming complex data into strategic insights that drive both business growth and measurable social impact. I specialize in data strategy, governance, business intelligence, and building scalable analytics systems that support decision-making at all levels. At Burn Manufacturing, I've led analytics initiatives for clean energy solutions-ranging from electric cooking to improved cookstoves-while also spearheading geospatial and New market assessment and risk models that enhanced market penetration across Sub-Saharan Africa.

Passionate about using data to solve climate and development challenges, I combine strong technical skills in R, Python, Power BI, and cloud-based pipelines with a deep commitment to stakeholder engagement and data storytelling. I thrive in interdisciplinary teams and am especially drawn to roles that sit at the intersection of sustainability, innovation, and data science.

## Experience

**Burn Manufacturing:** Cookstoves Manufacturing, Distribution & Carbon Developer          Nairobi, Kenya

*Data Analytics Lead* (2+ years)                                                                                          *Jan 2023 – Present*

- Lead a cross-functional team of 4 analysts (on-site and remote), delivering strategic data initiatives aligned with enterprise OKRs, data governance, and growth objectives.
- Applied data governance and analytics practices suitable for regulated environments (carbon verification, field-level compliance), similar to healthcare reporting and clinical data needs.
- Collaborated with diverse stakeholders including field operations, finance, R&D teams, and carbon verification partners.
- Partnered with the carbon asset team to deliver MRV-aligned insights and verification-ready reports for carbon credit issuance across Sub-Saharan Africa.
- Built and maintained scalable data pipelines using R, Python, AWS Glue, and Lambda to automate reporting, reduce manual work, and deliver actionable insights to leadership.
- Developed and delivered end-user training on BI tools (Power BI, Metabase), building data literacy across technical and non-technical teams.
- Led the development of Power BI dashboards (20+), including executive KPI scorecards and operational reports, driving data-driven decision-making at all levels.
- Deployed a self-service analytics platform (Metabase), cutting reporting turnaround by 70% and democratizing access to business-critical data.
- Oversaw cloud migration and data centralization on AWS, designing the data lake and architecture to support scalable analytics infrastructure.
- Provided strategic data advisory across business functions (Sales, Operations, Carbon), including integration of CRM, ERP (MS Dynamics), and field data tools (CAPI/CATI/CAWI).
- Championed data quality through SLA monitoring, validation checks, and pipeline audits, significantly improving accuracy, completeness, and timeliness metrics.

- Digitized warranty registration with Kobo Collect, enhancing traceability and compliance with data privacy laws.
- Introduced ArcGIS-powered geo-analytics tools, enabling data-driven market expansion and increasing sales penetration by 70%.
- Designed and implemented Business high-impact models:
  - Sales Sampling Model – Ensured sales distribution accuracy and compliance.
  - Customer Segmentation – Targeted B2B distributor engagement through clustering.
  - Market Penetration Analysis – Identified stove adoption potential in priority regions.
  - Credit Ceiling Model – Balanced credit growth with risk using predictive analytics.

**Burn Manufacturing:** Cookstoves Manufacturing, Distribution & Carbon Developer          Nairobi, Kenya
*BI Analyst* (3 years)                                                                                        *Jan 2020 – Jan 2023*

- Developed and launched 15+ interactive Power BI dashboards, streamlining reporting and significantly accelerating time-to-insight across departments.
- Championed data storytelling practices to elevate how insights were communicated, improving understanding and engagement with complex data by 37% among both internal and external stakeholders.
- Automated over 90% of recurring reports using R and Python, freeing up analyst time for advanced analytics and continuous improvement initiatives (Kaizen).
- Spearheaded the introduction and training of R and Python for big data analytics, upskilling the team and enhancing analytical capabilities organization-wide.
- Implemented an on-premises data warehouse as a tactical interim solution, reducing reporting time by 90% ahead of cloud data centralization efforts.
- Recognized as Employee of the Month (March 2022) for exceptional contributions in delivering timely, advanced analytics through impactful visualizations and insight-driven storytelling.

**Dalberg Research –** Market Research Company                                              Nairobi, Kenya
*Data Processing Officer* (2 years)                                                          *April 2017 – September 2019*

- Designed, evaluated, and deployed robust data collection modules using SurveyToGo, Kobo Collect, and ODK across multiple countries in Sub-Saharan Africa, ensuring standardized, high-quality data for key business and research use cases.
- Conducted end-to-end data analysis and reporting to enhance decision-making for both internal teams and external clients.
- Built dynamic Excel and Power BI dashboards leveraging advanced analytics and data storytelling techniques to improve client retention and inform strategy.
- Partnered with the Location Analytics (LOCAN) team to collect and analyze geospatial data, delivering geo-intelligence solutions based on area, GPS coordinates, distance, and spatial clustering to address real-world business challenges.

## Education

### University of East London (2024-2026)

Master of Science in Data Science – In progress

### Jomo Kenyatta University of Agriculture and Technology (2014-2018)

Bachelor's Degree in Statistics- Graduated in November 2018

## Skills & Certifications

1. **Tata Data Visualization: Empowering Business with Effective Insights - Oct 2023**
   - Completed a simulation involving creating data visualizations for Tata Consultancy Services
   - Prepared questions for a meeting with client senior leadership
   - Created visuals for data analysis to help executives with effective decision-making.
2. **Data Strategy and Governance- (Sep-2023)-**Project Management Institute
3. **Communicating with Executives- (Sep-2023)-**Project Management Institute
4. **Decision & Risk Management Professional (DEMP) (Sep-2023)-**Project Management Institute

**Technical Toolpack**: R, Python, SQL, Tableau, Power BI, Cloud computing, Self Service, Data Pipeline Orchestration, Kobo Collect, ODK, SurveyToGO, Team Leadership and Management, Talent acquisition and mentoring, Data Governance in Regulated Environments, End-user Training & BI Literacy, workflow Automation, KPI Development & Monitoring

**Languages:** English, Swahili

**Certifications**: Python, R, Power BI, Data Strategy, and Data Analytics Professional Certificates, Project management (Project Management Institute), Data Visualization Certificate from TATA.

**Membership**:
- Royal Statistical Society
- Kenya National Statistical Society.

## References

I will gladly this provide upon request.