


SHARON JEPKOSGEI

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 Texas, United States

325-901-4597

EDUCATION

MSc in Social Data Analytics and Research

GPA 3.890

The University of Texas at Dallas

01/2023 -present

Courses:

- Database Management
- Machine Learning
- Knowledge Mining
- Economics of Public Policy

BS in Economics and Statistics

First Class Honors

Kenyatta University

07/2016 – 07/2021

Courses and Research Paper

- Econometrics
- Microeconomics & Macroeconomic Theory
- Probability and Statistics
- Research methods

Research Paper: The effect of general elections on the stock market: a case of the Nairobi Stock Exchange

ACADEMIC PROJECT

Information Management

January 2023 - April 2023

- Developed a web-based application using a Postgres relational database designed and built in pgAdmin 4 (<https://sharonjepkosgei.shinyapps.io/exploreApp/>).
- Prepared a comprehensive 15-page paper on database design and management and web application development using Shiny using MS Word which was completed two weeks before the deadline.
- Delivered a 10-minute PowerPoint presentation on the design of an application used to review long-term care options which received an A for good communication and presentation skills.

TECHNICAL SKILLS

Data Management: Data cleaning, data analysis, data visualization, and data modeling,

Microsoft Office Suite: MS Word, MS PowerPoint, MS Excel, Outlook

Statistical Programming Languages: R, SPSS, and STATA

RDBMS: SQL

WORK EXPERIENCE

Research Consultant

Kihara & Wayne Advocates

October 2021 - July 2022

Achievements:

- Collaborated in the testing and development of questionnaires for various projects in Nairobi, Kajiado, and Kiambu counties, resulting in cost savings of approximately \$2000 per project.
- Conducted data analysis using STATA, Excel, and SPSS, leading to accurate and actionable findings for each study. Compiled reports based on the findings, contributing to a significant 10% increase in customer satisfaction.

Enumerator, GCRF soil survey project

Mount Kenya University in Collaboration with Hull University

June 2021 - August 2021

Achievements:

- Developed high-quality questionnaires and conducted data collection on farmers' perspectives on introducing analytical tools for point-of-need in Kiambu and Muranga counties.
- Implemented soil nutrition surveillance in resource-limited settings, resulting in a remarkable 30% increase in soil nutrient quality and a 20% increase in crop yield in the study area. Maintained a high data accuracy rate of 90%, ensuring the reliability and usefulness of the collected data.
- Demonstrated expertise in developing and administering surveys, utilizing data collection tools such as ODK collect, which led to increased stakeholder satisfaction and a 2-day reduction in data collection time compared to previous studies.

Statistical Attaché

Kerio Valley Development Authority (KVDA) - Eldoret, Kenya

April 2019 - August 2019

Achievements:

- Created comprehensive data dictionaries using Excel and Survey Questionnaires, resulting in a 50% reduction in data entry errors and a 40% increase in data consistency.
- Generated daily reports and queries using MS Word, Excel, and SQL, reviewed by field supervisors and data managers.
- Participated in conducting in-depth data analysis using STATA and R Studio software, identifying patterns in the data that provided actionable insights to optimize business processes and improve decision-making.

CERTIFICATES

- Google Data Analytics Professional Certificate, 2022
- Data analytics with SPSS and Advanced Excel

VOLUNTEER EXPERIENCE

Social Media Volunteer

Inua Dada Foundation

01/2018 – 01/2019

Achievements:

- Created the ‘For Our Girls’ campaign that helped raised over \$10,000 in donations in three months for the purchase of sanitary towels for teenage girls in rural areas.

LANGUAGES

- **Swahili:** Native
- **English:** Full professional proficiency