

# SHARON JEPKOSGEI

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📍 Texas, United States; 325-901-4597; [Website/Portfolio](#)

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## EDUCATION

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### MSc in Social Data Analytics and Research

*The University of Texas at Dallas*

**GPA 3.973**

*Jan 2023 – Dec 2024*

### BSc in Economics and Statistics

*Kenyatta University*

**First Class Honors**

*Graduation: Jul 2021*

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## TECHNICAL SKILLS

**Natural Language Processing:** Text analysis, sentiment analysis, language modeling

**Machine Learning:** Model training, evaluation, and optimization

**Statistical Learning & Programming:** Predictive modeling, statistical inference, and feature selection

**Visualization Tools:** Tableau, Jupyter Notebook, Shiny, R, MS Excel

**Programming Languages:** R, Python, SPSS, SQL, and STATA

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

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## WORK EXPERIENCE

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### Research Assistant

*Center for Brain Health, UT Dallas*

**Aug 2023 – Dec 2024**

*Texas, USA*

- Gather data and transform it into insights for Brainomics Venture bulletins, presentations, and reports ensuring that the team has up-to-date and relevant data at their disposal.

### Research Consultant

*Kihara & Wayne Advocates*

**Oct 2021 - Dec 2022**

*Nairobi, Kenya*

- 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*

**Jun 2021 - Aug 2021**

*Kenya*

- Developed high-quality questionnaires and conducted data collection on farmers' perspectives on introducing analytical tools for point-of-need in Kiambu and Murang'a 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)*

**Apr 2019 - Aug 2019**

*Eldoret, Kenya*

- 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.

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## VOLUNTEER EXPERIENCE

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### Social Media Volunteer

*Inua Dada Foundation*

**Jan 2018 - Jan 2019**

*Nairobi, Kenya*

- 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.

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## ACADEMIC PROJECT

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### The University of Texas at Dallas

*Information Management*

**Jan 2023 - Apr 2023**

- Developed a web-based application using a Postgres relational database designed and built in pgAdmin 4 (<https://sharonjepkosgei.shinyapps.io/exploreApp/>).

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## ADDITIONAL INFORMATION

**Certificates:** Google Data Analytics Professional Certificate, 2022; Data analytics with SPSS and Advanced Excel

**Languages:** Advanced Swahili