

# SHARON JEPKOSGEI

[jepkosgeisharon003@gmail.com](mailto:jepkosgeisharon003@gmail.com)

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

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## EDUCATION

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### MS in Social Data Analytics and Research

*The University of Texas at Dallas*

**GPA 3.97**

*Jan 2023 – Dec 2024*

### BSc in Economics and Statistics

*Kenyatta University*

**First Class Honors**

*Graduated: July 2021*

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## TECHNICAL SKILLS

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

**Machine Learning:** Model training and evaluation, logistic regression

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

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

**Programming & Data Analysis Tools:** Python (Pandas, NumPy), SQL, SPSS, STATA, R

**Big Data:** ETL processes, working with large datasets, exploratory data analysis

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## WORK EXPERIENCE

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### Research Assistant

*Center for Brain Health, UT Dallas*

**Aug 2023 – Dec 2024**

*Texas, USA*

- Collected, transformed, and analyzed large datasets to uncover actionable insights for team monthly bulletins, reports, and presentations.
- Used R to visualize complex trends, ensuring timely updates and actionable insights for Brainomics Venture.

### Research Consultant

*Kihara & Wayne Advocates*

**Oct 2021 - Dec 2022**

*Nairobi, Kenya*

- Designed and analyzed data for legal and social research projects, utilizing STATA, SPSS, and Excel.
- Produced reports that drove a 12% increase in client satisfaction by improving decision-making processes.

### 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 significant improvement in soil nutrient quality and up to 18% increase in crop yield in the study area.
- Conducted high-accuracy data collection using ODK tools, achieving a 90% accuracy rate and 2-day reduction in data collection time compared to previous studies.

### Statistical Attaché

*Kerio Valley Development Authority (KVDA)*

**Apr 2019 - Aug 2019**

*Eldoret, Kenya*

- Implemented comprehensive data dictionaries and robust data validation processes, enhancing data quality by 50%.
- Conducted statistical analysis and provided recommendations, directly improving organizational operations.

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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 raise 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**

- Designed and developed a web-based analytics tool using PostgreSQL and Shiny for real-time data visualization. (<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