

Sulman Olieko OWILI¹

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ACADEMIC EMPLOYMENT

International Center for Research in Agroforestry (ICRAF) <i>Research and Data Analyst Consultant</i>	Dec 2023– present
International Institute of Tropical Agriculture (IITA) <i>Research fellow</i>	Jul 2022– present
PBL-BioAfrica Project <i>Problem-based learning mentee</i>	Feb 2023– Jul 2023
University of Nairobi <i>Teaching assistant</i>	Sept 2022– Jun 2023

EDUCATION

University of Nairobi <i>MSc. in Agricultural and Applied Economics</i> Supervisors: Prof. David O. Jakinda; Dr. Evans L. Chimoita; Dr. Frederick P. Baijukya	Sept 2021– present
University of Nairobi <i>BSc. in Agricultural Education and Extension</i> Grade: First Class Honours	Sept 2016– Dec 2020

RESEARCH INTERESTS

Micro-econometrics, Stochastic Frontier Analysis, Time Series Analysis, Conformal Prediction, Bayesian Statistics, Quantitative Modelling, Eco-efficiency Analysis.

WORKING PAPERS

1. Drivers of adoption and intensity of agro-ecological pest management options for mango fruit fly suppression under information constraints: A two-part fractional regression approach. (2024).
Owili, S. O., Otieno D. J., Chimoita E. L., & Baijukya F. P.
2. Does transition towards agro-ecological pest management intensification influence technical and eco-efficiency? Evidence from mango farmers in Kenya. (2024).
Owili, S. O., Otieno D. J., Chimoita E. L., & Baijukya F. P.

AWARDS

Best CMAAE SFSE 2022 Student Award <i>University of Pretoria</i>	Aug 2023
The CMAAE Academic Advisory Board Prize Winner <i>African Economic Research Consortium</i>	Aug 2023
Second-Best Masters Student (Academic Performance), Faculty of Agriculture <i>University of Nairobi</i>	May 2023
Graduate Research Fellowship <i>International Institute of Tropical Agriculture (IITA)</i>	Jun 2022
Masters Scholarship Grant (Merit-based) <i>University of Nairobi</i>	Sept 2021
First-Class Honours <i>University of Nairobi</i>	Dec 2020

¹CV last updated on February 2, 2024

TEACHING EXPERIENCE

Teaching assistant

University of Nairobi – Department of Agricultural Economics

AEX 404 Food economics and policy (Final-year undergraduates) Jan 2023– Jun 2023

AEX 406 Environmental education (Final-year undergraduates) Sept 2022– Dec 2022

SOFTWARE

[CollatzR](#). R package for implementing and visualizing hailstone sequences/ Collatz conjecture/ the “unsolvable” $3n + 1$ math problem.

[MetafrontierR](#). R package for stochastic metafrontier analysis. (Work in progress)

PROFESSIONAL ACTIVITIES

Attended 1st Eastern Africa Agroecology Conference Mar 2023

Attended CGIAR Initiative on Agroecology Kenya Team Planning Workshop Jan 2023

Attended 4th African Conference on Operations and Supply Chain Management Jul 2022

PROFESSIONAL MEMBERSHIP

The Econometric Society (ES)

International Association of Research Scholars and Fellows of IITA (IARSAF–IITA)

African Economic Research Consortium (AERC) Alumnus

PROGRAMMING & LANGUAGE SKILLS

Programming for Data Analysis:

R (proficient), Stata (proficient), Python (beginner), Shazam (beginner), Julia (beginner), SQL (beginner), Spreadsheets (proficient).

Programming for Web- and Web-App Development:

Javascript (intermediate), HTML (proficient), and CSS (proficient).

Other Programming

L^AT_EX (proficient), QGIS (intermediate).

Languages:

English (Professional), Swahili (Native).

EXTRA-CURRICULAR ACTIVITIES

Hobbies: cycling, coding, singing (bass), playing cricket, and swimming.

REFEREES

Prof Jonathan M. Nzuma – Chairman, *Department of Agricultural Economics (UoN)*

Email: j.nzuma@uonbi.ac.ke

Prof David O. Jakinda – Supervisor, *Department of Agricultural Economics (UoN)*

Email: david.jakinda@uonbi.ac.ke

Dr Frederick P. Baijukya – Supervisor, *International Institute of Tropical Agriculture (IITA)*

Email: f.baijukya@cgiar.org