

# ELTONE MABODO

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Data Scientist | Economist | Food Security and Nutrition Analyst

[eltone.mabodo@gmail.com](mailto:eltone.mabodo@gmail.com) | +263 773 666 836 | +855 77 629 319

[Website](#) | [LinkedIn](#) | [GitHub](#)

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## PROFESSIONAL SUMMARY

Data-driven economist and nutrition data scientist with over five years of experience in economic research, data analysis, and econometric modeling, specializing in child nutrition and food security. Strong expertise in household survey analysis (including working with Demographic and Health Surveys) and anthropometric indicators (weight-for-age, height-for-age, weight-for-height Z-scores). Skilled in quantitative research methodologies, statistical programming (R, Stata), and data visualization (R – ggplot2, Tableau, Shiny) to support evidence-based policymaking.

Proven ability to analyze nutrition indicators for children under five and women of reproductive age, manage large, complex datasets, and leverage Git and GitHub for workflow automation. Experience collaborating with UNICEF, WFP, and the World Bank on food security assessments, impact evaluations, and nutrition data analytics. Passionate about using data science to drive policy decisions, enhance nutrition monitoring systems, and improve nutrition outcomes for children and vulnerable populations globally.

## EXPERIENCE

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SEPT 2023-Present	Nutrition & Food Security Analyst   WFP Cambodia
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Leading the analysis and reporting of food security and nutrition indicators for the GAFSP project. Key indicators analyzed include:

- i. Minimum Dietary Diversity for Women (MDD-W)
- ii. Minimum Adequate Diet for children aged between 6 and 23 months and associated indicators related to Infant and Young Children Feeding practices
- iii. Food Insecurity Experience Scale (FIES)
- iv. Economic Capacity to Meet Essential Needs (ECMEN)
- v. Climate Resilience Capacity Score

Co-leading (with UNICEF, World Bank and GS-NSPC) the planning and development of data collection tools and research design and methodologies and the subsequent data analysis for the impact evaluation of the “Family Package” programme – a government sponsored social protection programme. I analyzed the following indicators:

- i. Minimum Adequate Diet for children under the age of two (MAD)
  - a. Minimum Dietary Diversity for children under the age of two (MDD)

- b. Exclusive Breastfeeding for children 5 months and below.
  - c. Mixed Milk Feeding Practices
  - d. Continued Breastfeeding for children between 12 and 23 months.
  - e. Minimum Meal Frequency.
- ii. Minimum Dietary Diversity for Women of Reproductive Age (MDD-W)
- iii. Food Insecurity Experience Scale (FIES)
- iv. Livelihoods Coping Strategies – Essential Needs
- v. Unhealthy foods consumption by women and children

Lead a consultative initiative culminating in the development the evidence questions for the Country Office units and come up with the evidence agenda and plan.

Support in the drafting of the Vulnerability and Risk Analysis (VRA) report. The report used machine learning methods on Geospatial and Cambodia Socio-Economic Survey (CSES) dataset to investigate vulnerabilities to climate-induced disasters.

Support in evidence generation (both thematic research and programme implementation) studies carried out by different units.

Support the RAM unit's monthly capacity building sessions on data analytics, research methods, sampling designs and methods, etc.

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**JAN 2023-PRESENT      Economic Researcher & Data Scientist | African Economic Research Consortium**

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Principal investigator for a study analyzing the effects of climate change on nutritional outcomes of children under the age of five in Zimbabwe. The study uses four waves of the Zimbabwe Demographic and Healthy Survey (ZDHS) data and applied advanced econometric methods (pseudo-panel analysis). Nutrition indicators I focused on are stunting and wasting – as measured by anthropometric indicators, weight-for-age z scores and height-for-age z scores.

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**OCT 2021-AUG 2023      Research Economist | ZEPARU**

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Carrying out economic research in the fields of macroeconomic policy analysis, health economics and welfare economics.

Collect, clean and process data using statistical packages which include Stata and R Programming language.

Performing basic to complex statistical and econometric analysis on both macro- and microeconomic data.

Supporting Senior Research Economists at ZEPARU in their various economic research and other activities related to research, training, and capacity building.

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AUG 2018-June 2019      Graduate Teaching Assistant |University of Zimbabwe

Teaching Assistant in the following courses at undergraduate Level; Applied Statistics and Macroeconomics

Research Assistant to various senior members of the Department of Economics on studies on poverty alleviation, health economics. Tasked mainly with literature exploration, data cleaning and preliminary data analysis.

Dissertation co-supervision to undergraduate students

## EDUCATION

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AUG 2018-NOV 2020      MSc in Economics |University of Zimbabwe

[Master's Thesis](#): Household Characteristics and Child Health Nexus – Evidence from the Zimbabwe Demographic and Health Survey Data [\[published in an academic journal\]](#)

JUNE 2019-OCT 2019      CMAP JFE Courses |AERC

Advanced Econometrics and Financial Economics.

AUG 2011-AUG 2014      BSc Honors Degree in Economics |University of Zimbabwe

## LANGUAGES

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English:      Full professional proficiency

Shona:      Mother-tongue (Native)

## COMPUTER SKILLS

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- i. Statistical Modelling Tools: R (advanced), Stata (advanced), SPSS (basic)
  - ii. Data Visualization Tools: R (ggplot2 - advanced), Tableau (basic), Shiny (basic)
  - iii. Version Control Tools: Git and GitHub (advanced)
  - iv. Geospatial Analysis Tools: R (sf package, terra package)
  - v. Microsoft Office Suite (Excel, Word, PowerPoint).

## REFEREES

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Dr C Pindiriri  
Senior Lecturer,  
University of Zimbabwe  
Cell: +263 773 044 364  
Email: [pindiriric@gmail.com](mailto:pindiriric@gmail.com)

Ms Jae Hwi Kim  
Head of RAM Unit  
WFP Cambodia CO  
Cell: +85586570840  
Email: [jaehwi.kim@wfp.org](mailto:jaehwi.kim@wfp.org)

Dr G Chigumira  
Executive Director  
ZEPARU,  
Cell: +263 772 329 957  
E: [chigumirag@zeparu.co.zw](mailto:chigumirag@zeparu.co.zw)