

DATATHON PRESENTATION 2023

Optimising Food Production and Distribution to Combat
Hunger (Case of Uganda)

The Equity Visualisers (Uganda)

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The Team

- Emmanuel Kodwo Mensah
- Nekesa Patricia
- Winfred Namutebi
- Ashiraf Mawanda

Background

Hunger is an uncomfortable or painful physical sensation caused by insufficient consumption of dietary energy. It becomes chronic when the person does not consume a sufficient amount of calories (dietary energy) on a regular basis to lead a normal, active and healthy life.

- For decades, FAO has used the **Prevalence of Undernourishment** indicator to estimate the extent of hunger in the world, thus “**hunger**” may also be referred to as **undernourishment**.
- Around 735 million people faced hunger in 2022, and more than 3.1 billion people were unable to afford healthy diets in 2021.
- Between 2021 and 2022, progress was made towards reducing hunger in Asia and Latin America, but hunger is still on the rise in Africa, Caribbean and Western Asia.

Background

- The world's food systems stand at the center of the SDGs; however, food systems are under tremendous stress from the persistence of global crises and conflict, loss of biodiversity and climate change.

Ref1:

The SDGs



Figure 1: The key SDGs

Transition: Food Systems - Transforming food systems for a sustainable world without hunger

The datasets

- High-Frequency Phone Survey 2020-2023: downloaded from [<https://microdata.worldbank.org/index.php/catalog/3765/get-microdata>] on [04, November, 2023].
- National Panel Survey 2019-2020: Uganda Bureau of Statistics. Uganda National Panel Survey (UNPS) 2019-2020. Ref: UGA_2019_UNPS_v03_M. Dataset downloaded from [<https://microdata.worldbank.org/index.php/catalog/3902/get-microdata>] on [03, November, 2023].
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The Local SDG Problem

Climate change is a key limiting factor towards achievement of SDG2 - Through drought - agricultural production is affected (crop yields), promotes pest infestation, affects availability of quality water resources, affects HH income.

All these consequently undermine food security & improved nutrition

Problem: Background, The Stats & Progress

(What we may include here)

- Where is Uganda under achieving
- Any other countries struggling (potentially in the same region): point to scaling up our solution
- Any countries doing better on that aspect for comparative stats
- What is the proposed solution (based on the data)

Food Insecurity Experience Scale (FIES)

FOOD INSECURITY BASED ON THE FIES: WHAT DOES IT MEAN?



Figure 2: Food Insecurity Experience Scale

Introduction to the Solution