#### **DATATHON PRESENTATION 2023**

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

The Equity Visualisers (Uganda)

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#### The Team

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### 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 soulution
- Any countries doing better on that aspect for comparative stats
- What is the proposed solution (based on the data)

## Food Insecurity Experience Scale (FIES)

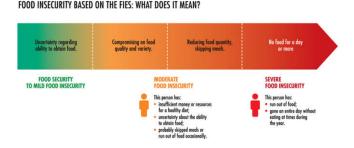


Figure 2: Food Insecurity Experience Scale

# Introduction to the Solution