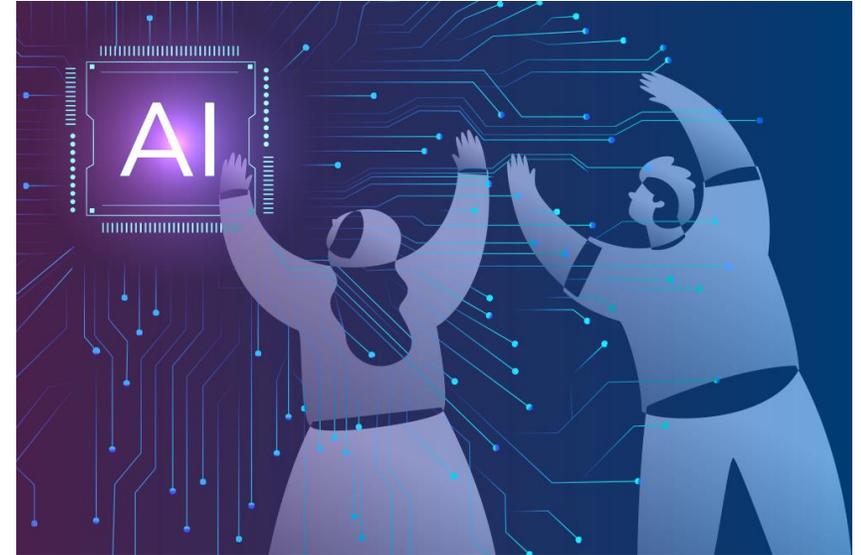# Exploring AI to summarize evidence

WFP's experience (so far...)

Aurélie Larmoyer, WFP Office of Evaluation

Background for my experience

At the start was a challenge...

Some people wish to receive evidence that can be directly useful to them

We can recycle the evidence that exists, and repurpose it, BUT....

Retrieving, exploring or summarizing pieces of evidence manually is **slow and costly** and allows considering only subsets of evidence, as the human eye can grasp.

AI a solution?

We are exploring AI to develop an automated search solution tailored to generate insights from existing evaluation evidence.

➔ STEP 1: Extraction of relevant text passages from searching through all of our "universe" (published reports)

➔ STEP 2: Generate new text from the extracted text passages, to provide insights

Off-the-Shelf Apps: limitations and risks

Limit on size of the universe to explore (max 10 MB / 5 reports)

Accuracy of response: goes to the closest – risk of misinterpretations!

Data protection : where does the data go?

AILYZE

Upload file (docx, pdf, xlsx, csv, xls) (limit 10MB/file)

Choose Files	5 files

Choose the type of analysis

Summarize

Ask a specific question

Conduct thematic analysis

Compare viewpoints across documents

Question

Is homegrown school feeding an effective modality according to these reports?

Optional Instructions ▼

Submit

Response: 👎

Based on the information extracted from the reports, the effectiveness of homegrown school feeding in Timor-Leste appears to be impacted by several factors:

1. **Challenges and Gaps Identified**: In 2019, a joint assessment by HELP Logistics, WFP, and the Ministry of Education identified gaps in logistics, budget management, and resources for the school feeding program. There was a specific mention of practical progress being impeded due to limited resources[1].

2. **Pilot Programs and Progress**: While there were intentions to pilot homegrown school feeding, such as trials of rice fortification at two schools in Dili, actual progress was hindered by the lack of resources. The report indicates that additional support from partners, especially the World Food Programme (WFP), is needed to enhance progress in this area[2].

3. **Impact on Nutrition and Education**: There were some positive outcomes noted in terms of school feeding effectiveness, such as an increase in retention in WFP-assisted primary schools and an improvement in enrolment rates. The school feeding activities correlated with better retention rates among boys and girls, showcasing some positive impact .

In conclusion, while there are positive signs of impact on child nutrition and education outcomes, the overall effectiveness of homegrown school feeding in Timor-Leste is hindered by challenges like limited resources and gaps in logistics and budget management. There is a need for increased support and resources, specifically from partners like the World Food Programme, to further enhance the effectiveness of the school feeding programs in the country.

Off-the-Shelf Apps: limitations and risks

Limit on size of the universe to explore (2000 words at once)

Accuracy of response: asking 100 words -> gives me 148…

Bing Chat Enterprise (Open AI / Chat GPT)

You

please summarize this text in 100 words: "4. Rwanda is a mountainous country bordered by Uganda, Tanzania, Burundi, and the Democratic Republic of the Congo (DRC). The Rwandan Patriotic Front (RPF) has governed the country since the 1994 Genocide against the Tutsi ethnic group. Parliamentary elections were held in September 2018, which saw the RPF coalition winning 40 of the 53 elected seats. With 61 percent of seats held by women, Rwanda is the country with the highest female parliamentary representation in the world.

5.   Rwanda prioritizes public institution accountability for citizens' wellbeing and development, and implements initiatives involving citizens in planning and setting targets for which the Government is accountable. Rwanda has a Decentralization Policy since 2000.

6.   Economic and structural reforms have propelled Rwanda towards remarkable achievements in line with the Sustainable Development Goals (SDGs), in particular in poverty reduction, gender equality, environmental sustainability, education, and public health. While recent years have witnessed rapid economic growth, the Covid-19 pandemic caused a temporary contraction in Gross Domestic Product in 2020, followed by recovery in 2022.

7.   The pandemic also triggered a 10.9 percent surge in the national poverty rate during the lockdown, impacting 1.3 million people, predominantly in rural areas. For many households – 68 percent in urban areas and 24 percent in rural regions – COVID-19 was the primary shock in the 12 months leading up to April 2021, resulting in widespread income loss, especially affecting urban women."

Copilot

Your personal and company data are protected

Certainly! Here's a concise summary of the provided text:

Rwanda, a mountainous country bordered by Uganda, Tanzania, Burundi, and the Democratic Republic of the Congo (DRC), has been governed by the Rwandan Patriotic Front (RPF) since the 1994 Genocide against the Tutsi ethnic group. In the 2018 parliamentary elections, the RPF coalition secured 40 out of 53 elected seats, with an impressive 61 percent of seats held by women. Rwanda prioritizes public institution accountability, implements citizen-involved initiatives, and follows a Decentralization Policy. The nation has made significant strides in poverty reduction, gender equality, environmental sustainability, education, and public health, despite the Covid-19 pandemic's impact on the economy and poverty rates [1] [2] [3]. Urban women were particularly affected by income loss during the pandemic.

Customized solution: limitations again…

Most large language models (LLMs) – behind Google's "Gemini" or Open AI's "GPT"- reflect 'readings' of the world that

1) **Require substantial 'fine-tuning'** to match our international development lingo – *e.g. 'Social protection'*

2) **Are biased** towards the audiences of these searches over the period it has existed, i.e. channel 'Western' perspectives

3) **May imply undue costs** compared to the need - as when using a Ferrari to go grocery shopping…