

The background of the slide is a close-up photograph of a burlap sack. The sack is made of a coarse, woven fabric and is filled with small, brown, oval-shaped seeds. Some seeds are spilling out of the sack, creating a sense of movement and abundance. The lighting is warm and natural, highlighting the texture of the fabric and the individual seeds.

Presenting agricultural prices

Team Rapeat kalapalat

Problem



AGRICULTURAL COSTS AND
REVENUES STRONGLY INFLUENCED
BY INPUTS AND OUTPUTS



PRICES ARE HEAVILY DICTATED BY
GLOBAL MARKET



UNDERSTANDING THE DYNAMICS
IS CRUCIAL FOR AGRICULTURAL
STAKEHOLDERS

Solution

01

Agrisight app
displaying
agricultural data
lines in a chart

02

AI predicts how
lines develop

03

AI gives advice on
how to act

Challenges

1

Using a generalized language model for data prediction

- Return data challenging to get in right format
- Might take a few tries

2

Fetching example data

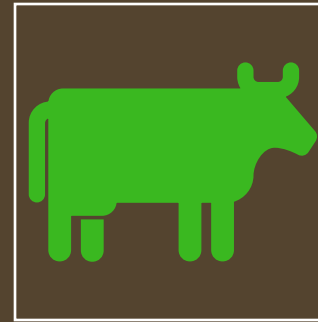
- Different formats, unfamiliar parameters

Example data



Fetches from EU agrifood api

https://agridata.ec.europa.eu/extensions/DataPortal/API_Documentation.html



Cereal, rice, fertiliser prices

Cereal (feed + milling) prices from France + Germany + Austria

Fertiliser prices by European Commission

Rice from France

Benefits



Farmers can use the prediction to negotiate supply or sales contracts

Either for own benefit or to justify the price to the other party



Helps to estimate the value of storage



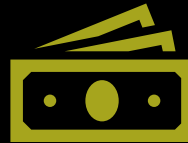
Helps to manage the storage

If price is higher next year -> don't sell, store instead

For who

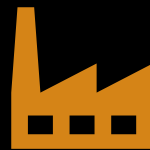


Fertiliser vendors



Banks

Can predict
the financial
standing of
farms



Vendors of farming
machines

Profits grow ->
can upgrade
machinery

Further development

Fetch real global agricultural data

- Sort by country / show global prices?

Configure a suitable data motor

- Fetches data from api and transforms it
- UI can fetch and show already cleaned data

Predict data further time ahead

Calculate how future price evolution affects the big picture

- Relations, e.g. feed wheat price grows -> meat price grows as well

Take weather into account

- How rainfall has affected the prices in historical picture

A top-down view of a white plate containing a meal. The meal consists of a large, golden-brown fried fish fillet, three small whole potatoes, a slice of watermelon, and a side salad with green lettuce and purple cabbage. A dark, semi-transparent rectangular overlay is positioned on the right side of the plate, containing the text "Thank you" in a large white font, and "(We got the rapeat kalapalat)" in a smaller white font below it.

Thank you

(We got the rapeat kalapalat)