Dalberg
Data
Insights

Uganda-Karamoja Agricultural Project

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Project Overview

The project aims to analyze agricultural datasets related to the Karamoja region of Uganda. The project aims at understanding the impact of drought, pest infestations and disease outbreaks on crop productivity. The analysis will help identify patterns, vulnerabilities, and potential interventions to improve food security in the region.

Objectives

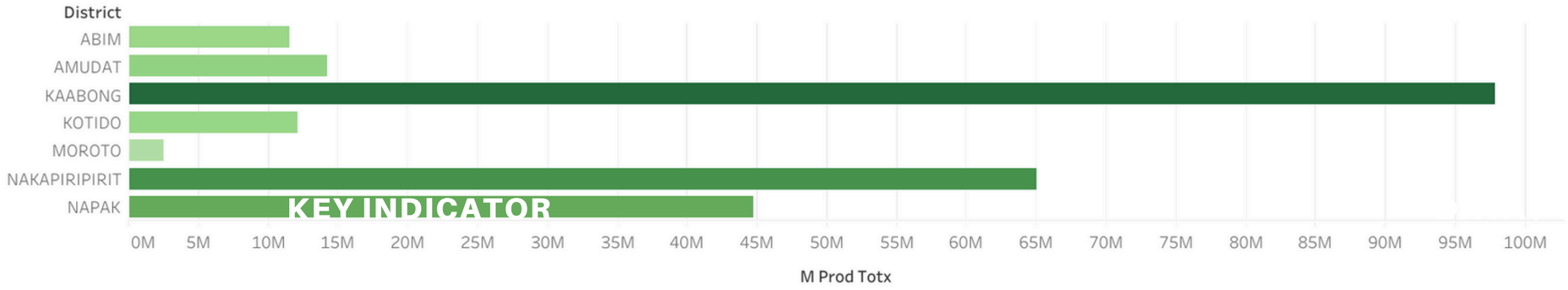
- Develop data-driven insights and recommendations to enhance crop productivity in Karamoja
- Identify the crops doing well in Karamoja despite the adverse conditions
- Identify the crops that have the least productivity in order to come up with ways to improve their productivity

Research Questions

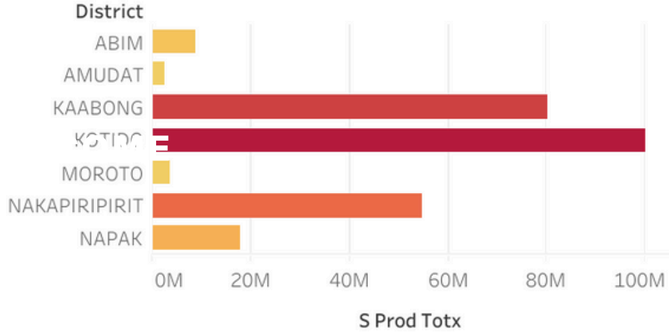
- Which crops are most productive in different regions?
- How do extreme weather conditions impact crop production in Karamoja?
- Which regions have the highest crop production efficiency?
- How do pests and diseases impact crop production in different regions?
- Which crops are most profitable for farmers based on yield ?

Dashboard

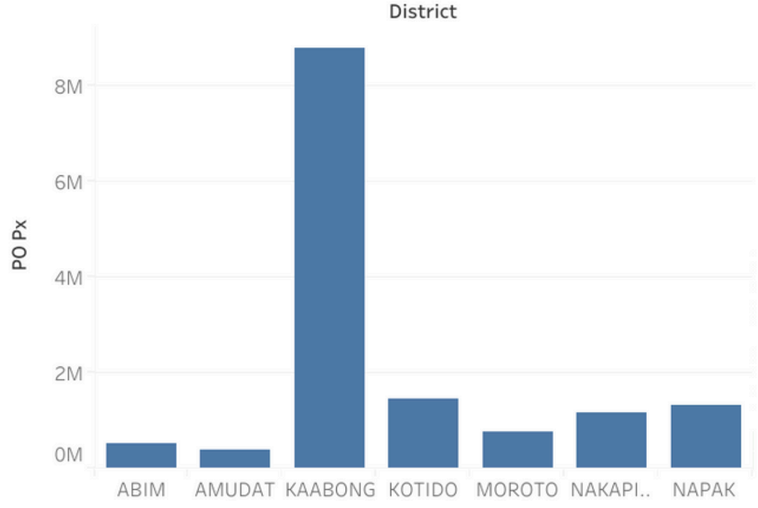
Total Maize Production per District



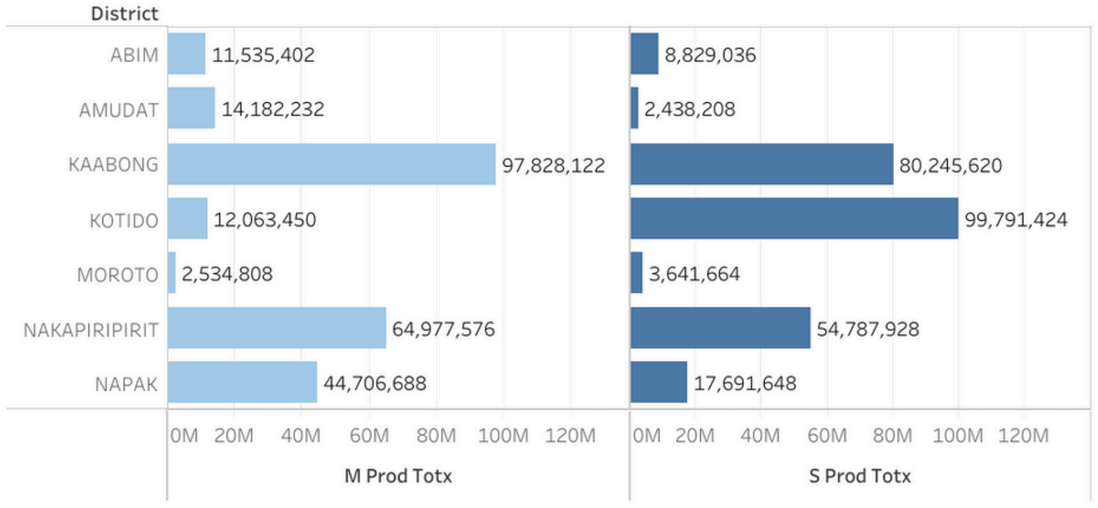
Total Sorghum Production per district



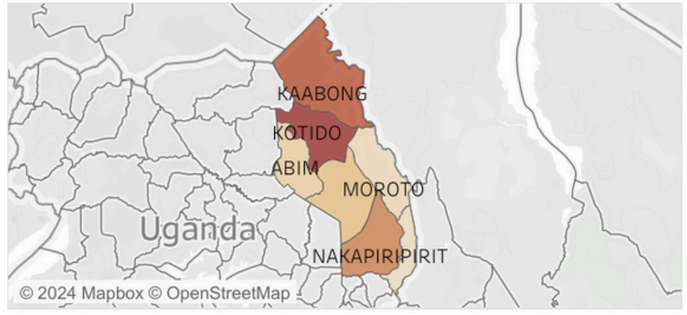
Total Population per District



Total Crop Production per District



Total Sorghum per district Map



Conclusions

1. District with the highest Maize production is Nakapiririt.
2. District with the lowest maize production is Moroto.
3. District with the highest sorghum production is Kotido.
4. District with the lowest sorghum production is Moroto.

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Thank You.