



KARAMOJA DATA VISUALIZATION PROJECT WITH TABLEU.

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KARAMOJA

Project Overview

This Project will involve creating an interactive visualization tool that provides insights into crop yield for sorghum and maize in Karamoja, Uganda, based on satellite imagery. This tool will serve as a prototype for a more comprehensive Food Security Monitoring system intended for use by NGOs operating in the region

KARAMOJA

Background

Karamoja, in northeastern Uganda, faces severe food insecurity primarily due to recurrent droughts and frequent pest and disease outbreaks that reduce crop productivity. Despite efforts by NGOs to support farmers with technical assistance and inputs, there is a significant gap in comprehensive, real-time agricultural data. NGOs currently rely on localized information for decision-making, limiting the effectiveness of their interventions. This project seeks to develop a foundational visualization tool to enhance decision-making and resource allocation, ultimately improving food security in the region.



OBJECTIVES

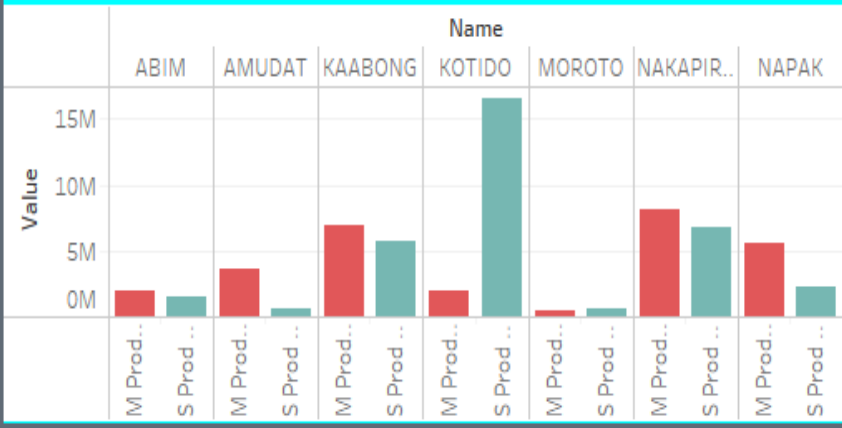
To find out which district had the highest maize and Sorghum total production.

To find out how the crop area in hectares affects the total production of maize and sorghum in each district.

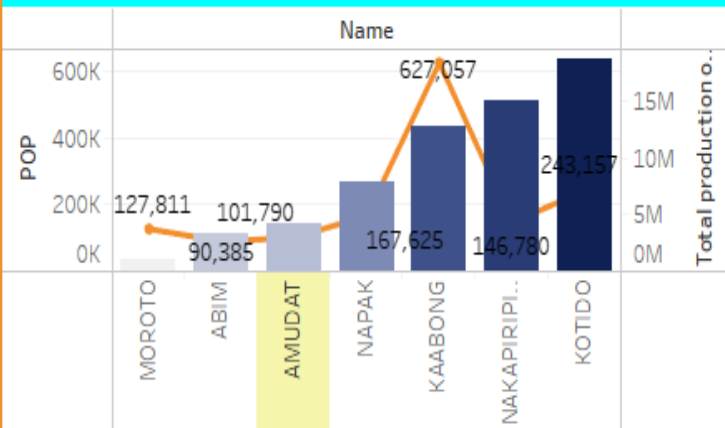
To find out the relationship between maize production and sorghum production in each district.

To find out the correlation between the population and total maize and sorghum production of each district

District Name vs Maize and Sorghum production total



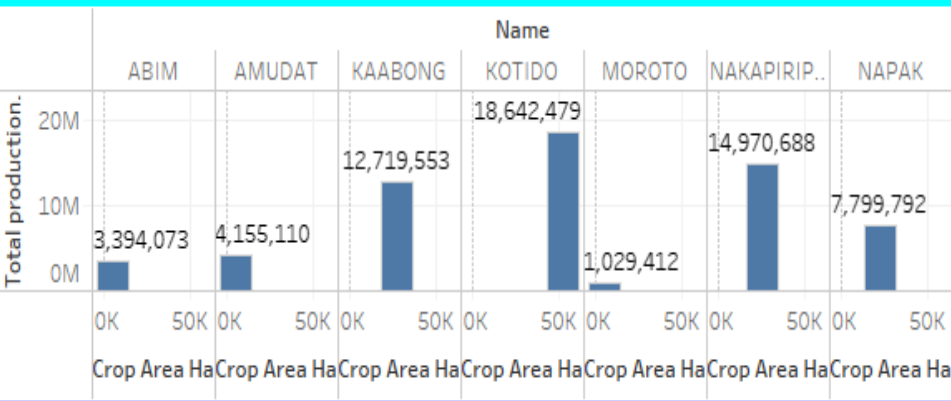
District Name Vs Population and Total Production of Maize and Sorghum



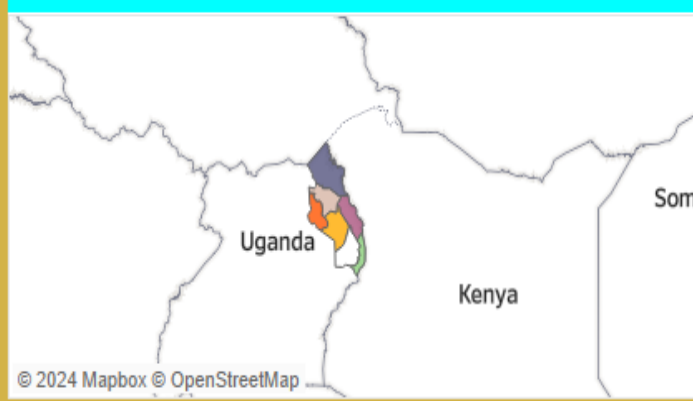
Name of Districts.

- ☒ (All)
- ☒ ABIM
- ☒ AMUDAT
- ☒ KAABONG
- ☒ KOTIDO
- ☒ MOROTO
- ☒ NAKAPIRIPIT
- ☒ NAPAK

Crop Area vs Total Production per District



Name of Districts of Karamoja Region



Dname2014 key

- ABIM
- AMUDAT
- KAABONG
- KOTIDO
- MOROTO
- NAKAPIRIPIT
- NAPAK

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CONCLUSIONS

- There is food insecurity in Karamoja which needs to be addressed.
- There is need for enhanced monitoring Tools.
- There is potential for improvement in Karamoja to curb food insecurity.

THANK YOU.

KARAMOJA PROJECT

RECOMMENDATIONS

- The Input should be directly proportional to the Output: The volume of investment in producing sorghum and Maize should be assessed from the output generated from each district.
- Invest in buying land: It is evident from the data that the higher the crop area the higher the total production of Maize and Sorghum.
- Create Employment opportunities for large population in Karamoja in farms to Increase Production