

CATHERINE NJENGA

ANALYZING THE FOOD INSECURITY IN KARAMOJA REGION

AUG 2024

BUSINESS PROBLEM

As a Data Analyst, I assessed the Karamoja food security crisis. Where the data contains the districts of the Karamoja Region and the 2 main food crops grown, I can monitor the food security and produce insights on how to improve the food security in the region.

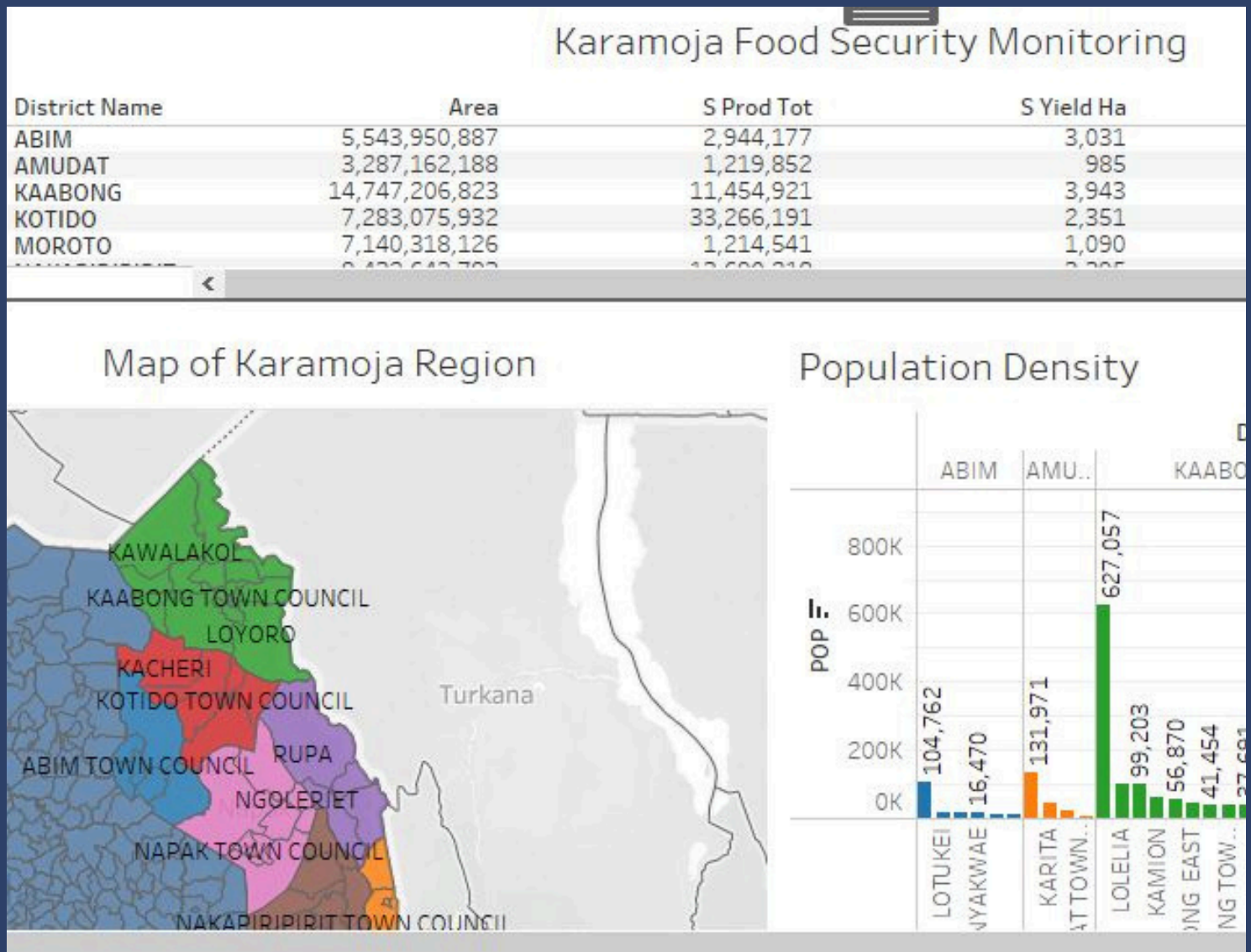
PROJECT OVERVIEW

By creating an interactive visualization the stakeholders can monitor the food situation in the region and come up with solutions on the most effective way to curb food insecurity.

OBJECTIVES OF THE STUDY

- * TO DETERMINE WHICH CROP HAS THE HIGHEST PRODUCTIVITY**
- * TO DETERMINE WHICH DENSELY POPULATED AREAS SHOULD BE GIVEN MORE FOCUS**
- * TO DETERMINE WHICH DISTRICT HAD THE HIGHEST CROP YEILD**
- * TO ESTABLISH THE RELATIONSHIP BETWEEN AREA AND, CROP AREA AND YIELD**

DATA ANALYSIS



THE DASHBOARD OF THE ANALYSIS ON KARAMOJA

CONCLUSION

FROM THE ANALYSIS, IT CAN BE CONCLUDED THAT:

- 1. KAABONG DISTRICT IS THE MOST DENSELY POPULATED DISTRICT IN THE KARAMOJA REGION, IT HAS A LOWER CROP AREA THAN KOTIDO BUT HAS THE HIGHEST CROP YIELD**
- 2. SORGHUM HAS THE HIGHEST AVERAGE PRODUCTIVITY OVERALL AND HAS HIGHEST CROP AREA.**
- 3. KAABONG IS THE DISTRICT WITH THE HIGHEST CROP YEILD**
- 4. THERE IS WEAK POSITIVE CORRELATION BETWEEN CROP AREA AND YIELD.**

RECOMENDATIONS

- 1. SORGHUM HAS THE HIGHEST PRODUCTIVITY AND HENCE SHOULD BE GIVEN MORE PRIORITY AS IT IS MORE DROUGHT-RESISTANT.**
- 2. KAABONG AS THE MOST DENSELY POPULATED DISTRICT SHOULD HAVE MORE LAND ALLOCATED FOR CROP PRODUCTION.**
- 3. MORE PRODUCTION OF DROUGHT-RESISTANT CROPS COULD SOLVE THE FOOD INSECURITY CRISIS.**
- 4. THERE SHOULD BE MORE INVESTIGATION INTO WHICH CROPS PERFORM BEST IN WHICH DISTRICT AS MAIZE PERFORMS BETTER IN KAABONG DISTRICT.**



THANK YOU

CATHERINE NJENGA