KARAMOJA CROP SEASON

Group 7

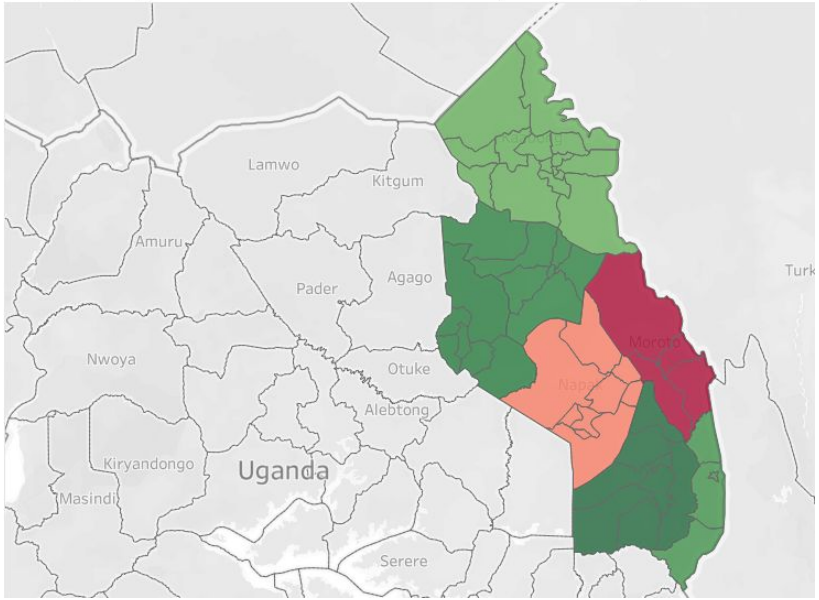
OBJECTIVES

1) What is the average Sorghum and Maize yield across the subcounties and districts of Karamoja?
2) Distinguish the area of Maize and Sorghum across Karamoja.
3) How are the Karamoja districts performing in terms of crop production?
4) Which areas are at risk of food insecurity?
5) Which sub county is the most vulnerable for crop production?

1) AVERAGE SORGHUM AND MAIZE YIELD PER HECTARE

DISTRICT LEVEL:

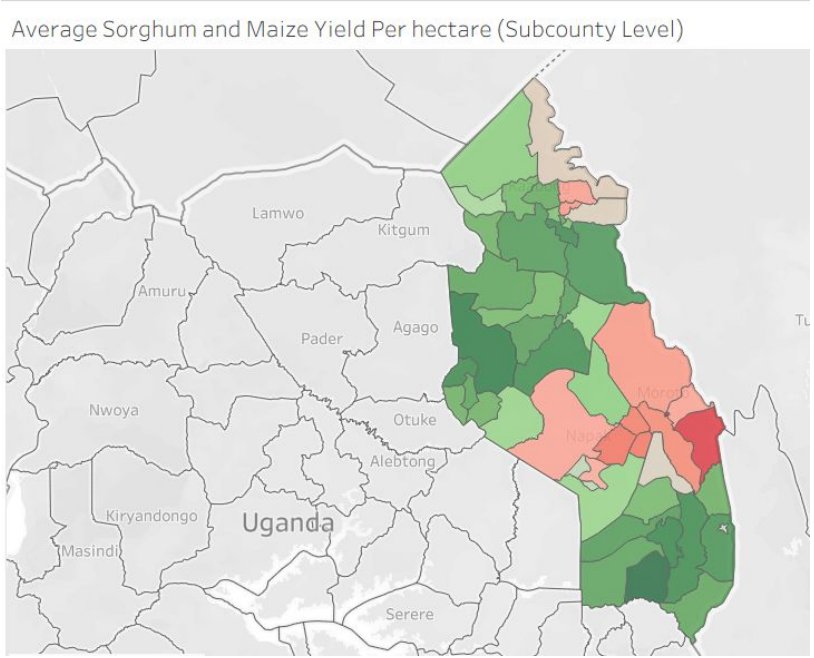
Average Sorghum and Maize Yield Per Hectare (District Level)



	DISTRICT_NAME	M_Yield_Ha	S_Yield_Ha
0	ABIM	1041.474982	430.258392
1	AMUDAT	1180.766412	194.941682
2	KAABONG	989.327866	261.719947
3	KOTIDO	1108.479354	336.626575
4	MOROTO	381.708170	160.264712
5	NAKAPIRIPIRIT	1169.092190	379.872822
6	NAPAK	722.141048	151.359305

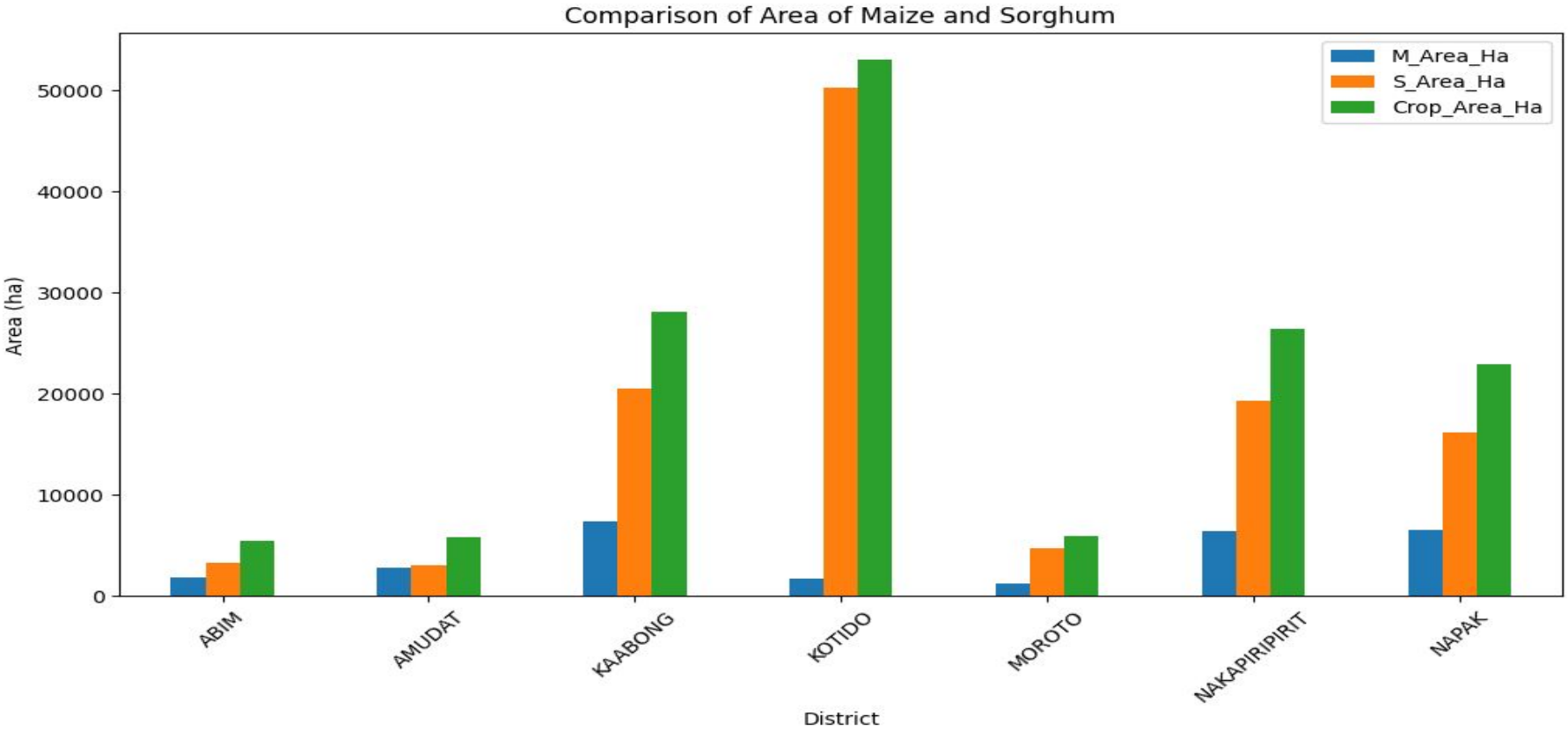
CONTINUATION…

SUB COUNTY LEVEL:

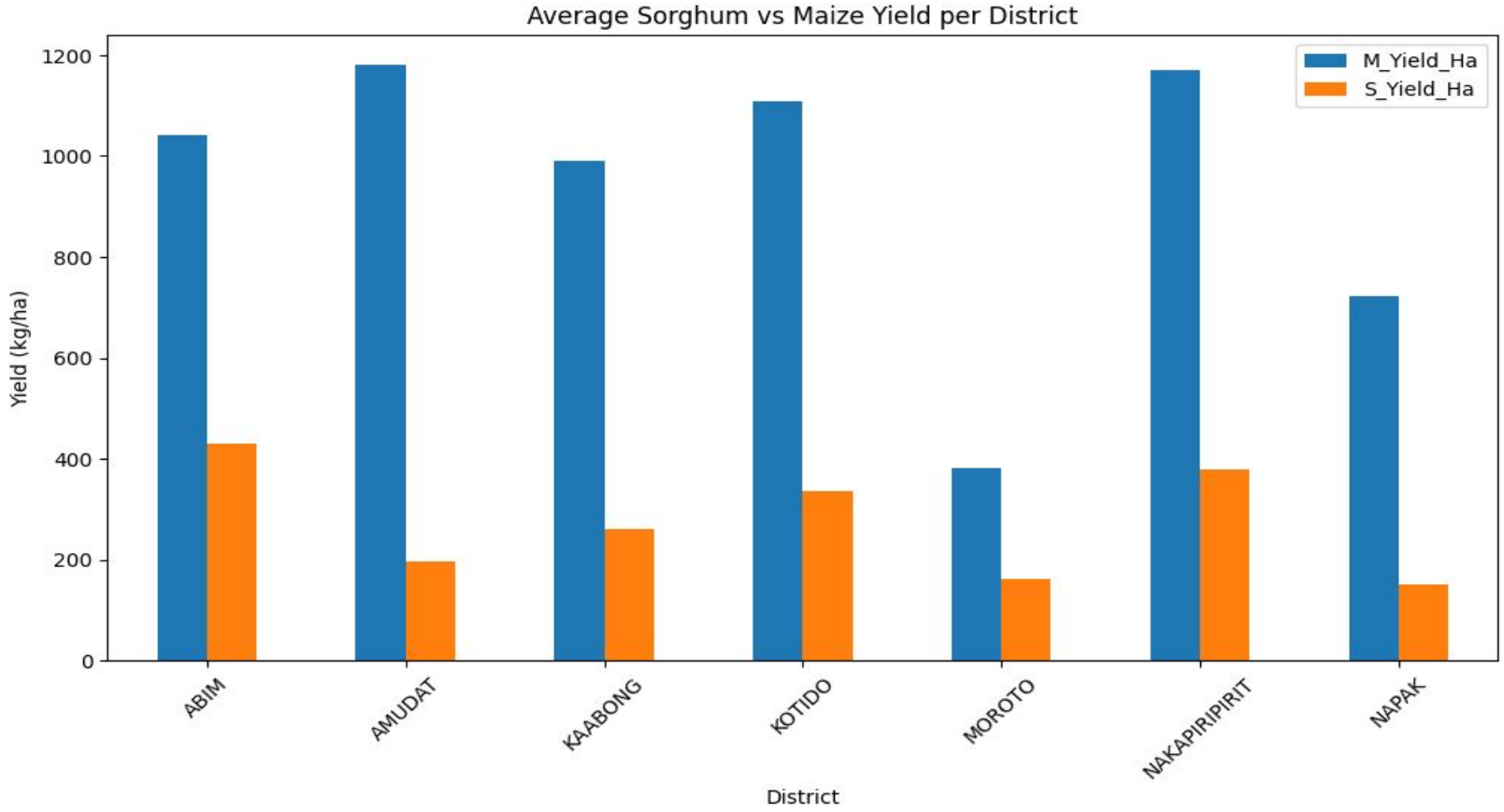


	SUBCOUNTY_NAME	M_Yield_Ha	S_Yield_Ha
0	ABIM	1183.089648	501.263249
1	ABIM TOWN COUNCIL	1061.151087	439.750995
2	ALEREK	1259.122045	520.407672
3	AMUDAT	1379.045945	239.047878
4	AMUDAT TOWN COUNCIL	861.208491	146.117797
5	IRIIRI	873.452242	229.299157
6	KAABONG EAST	650.123565	160.588525
7	KAABONG TOWN COUNCIL	1229.213444	212.210703
8	KAABONG WEST	1056.416068	208.040518

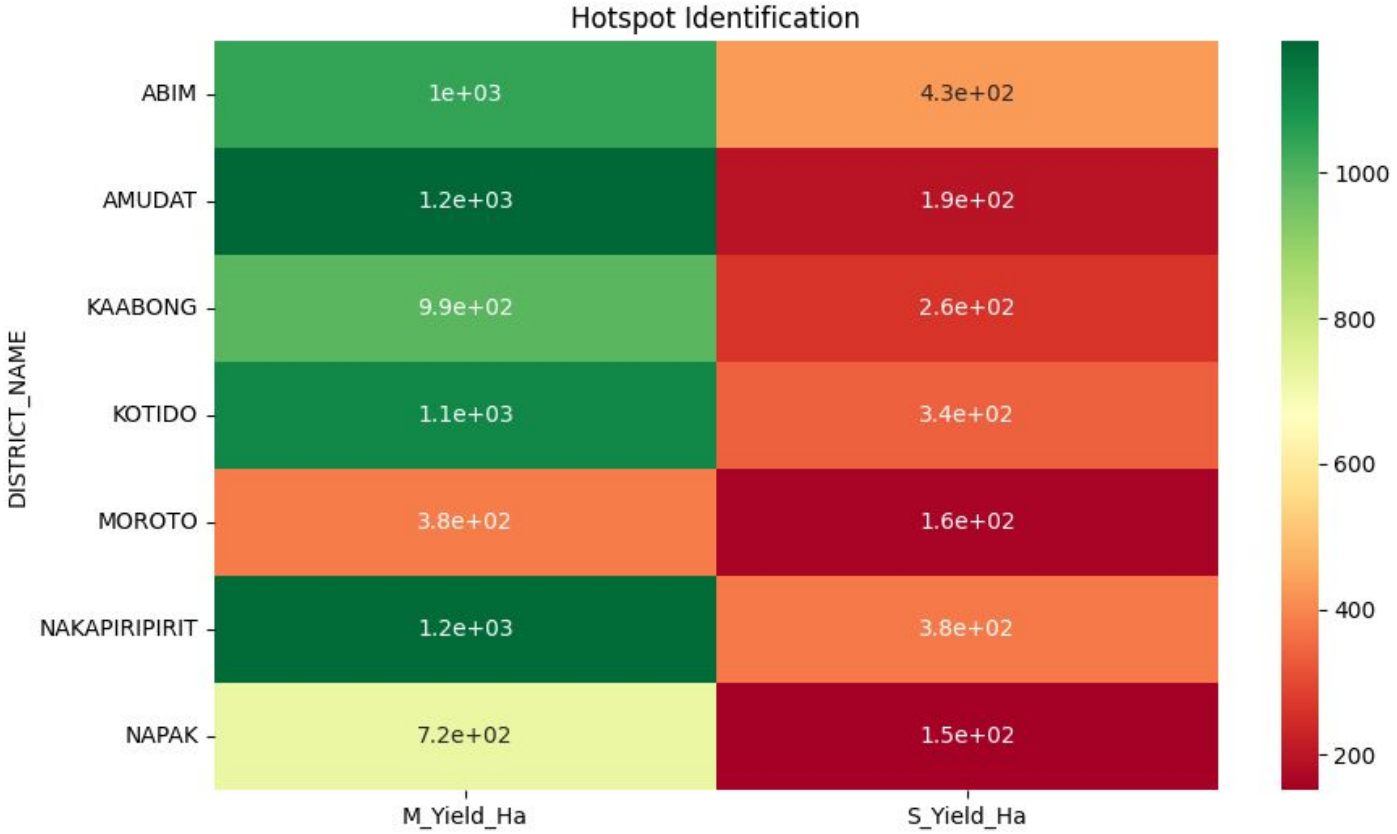
2) COMPARISON OF AREA FOR MAIZE AND SORGHUM



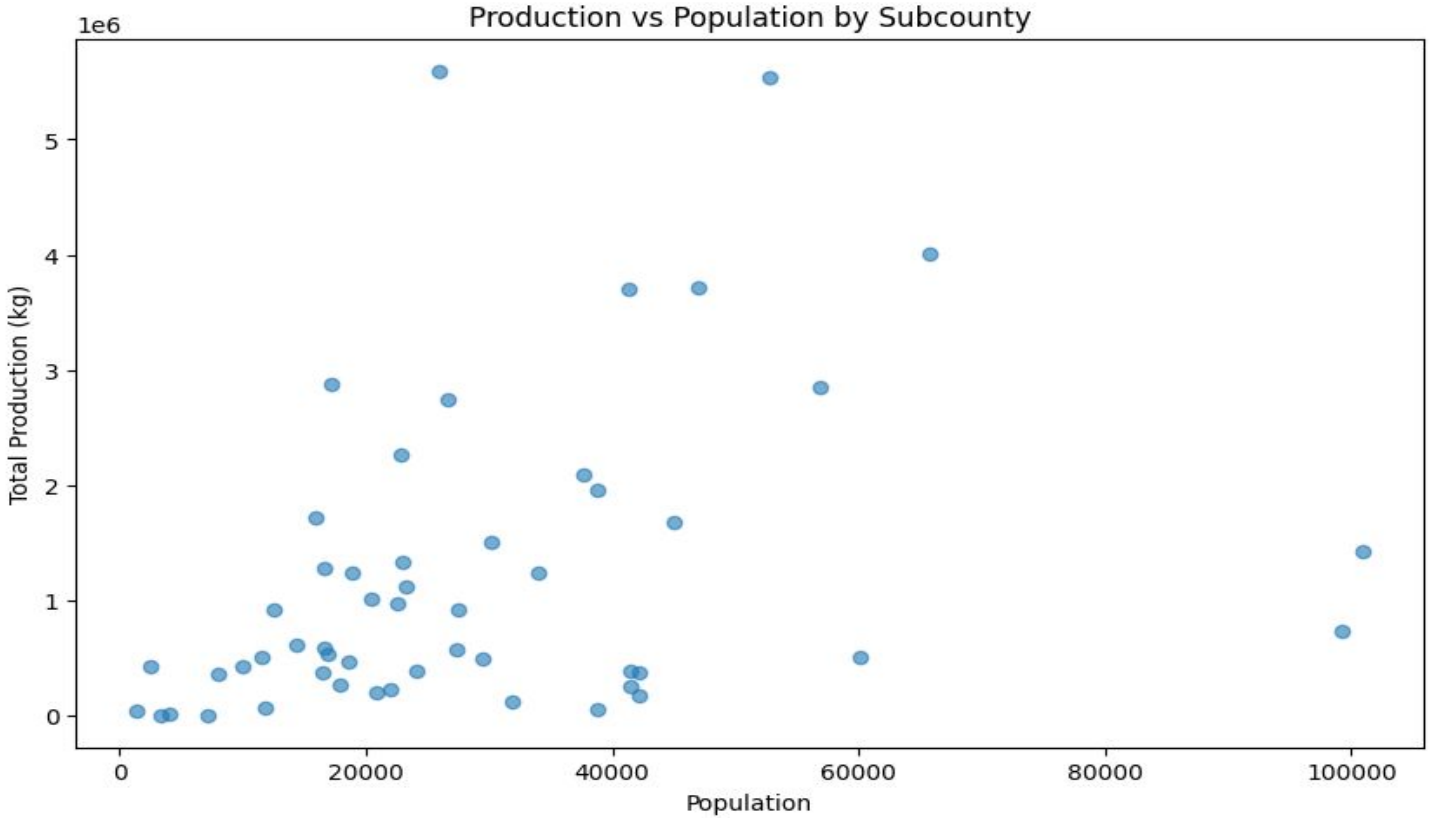
3) CROP PERFORMANCE PER DISTRICT



4) HOTSPOT IDENTIFICATION



5) CROP PRODUCTION VS POPULATION



FINDINGS..

1. Sorghum yields are generally lower than maize yields across districts.

2. The best-performing district shows significantly higher productivity, while some subcounties are still lurking behind.

3. Population is unevenly distributed; some subcounties with large populations still show low production, creating food insecurity risks.

4. Choropleth maps reveal clear spatial disparities, with certain districts consistently underperforming.

5. NGOs can prioritize interventions in hotspot subcounties where both yield and total production are low but population is high.

CONCLUSION

- Average yield maps highlight that maize is outperforming sorghum region-wide. However, sorghum's lower productivity, especially in Napak and Moroto, poses a food security concern, as these are staple crops for Karamoja's population.
- Therefore, districts with low sorghum yield + high population should be prioritized by NGO for food security interventions.

THANK YOU!!!