

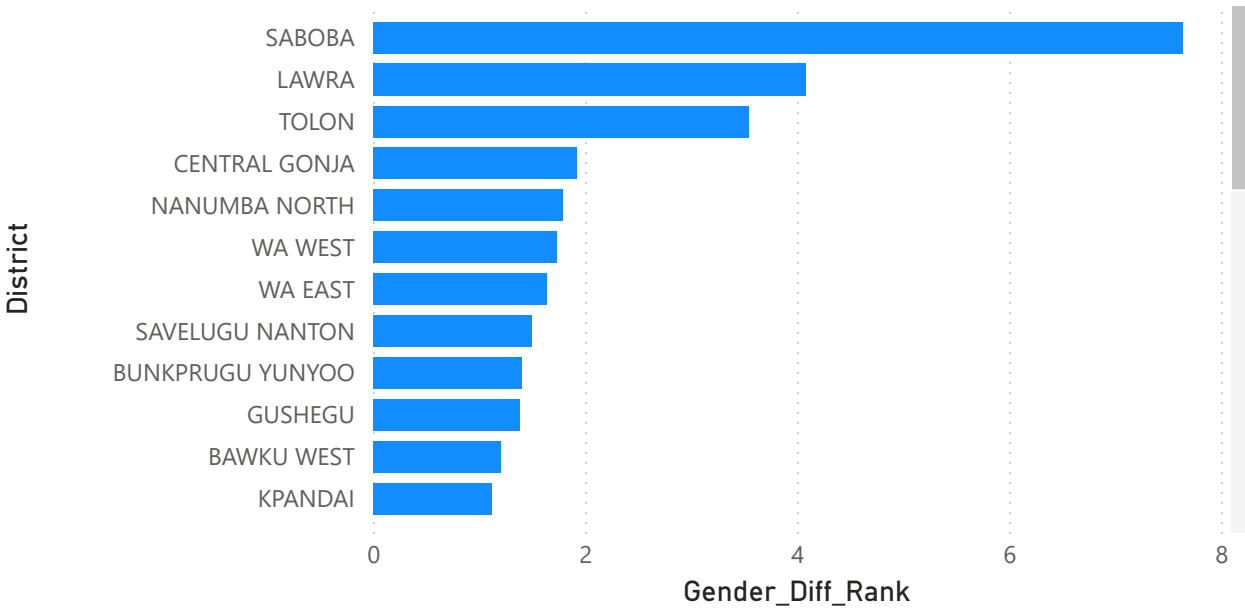
ADVANCE II - Report GHANA (2014)

ADVANCE II GENDER ANALYSIS

District

All

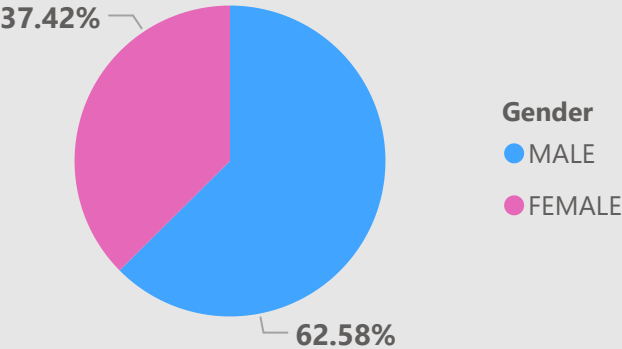
Gender Imbalance by District



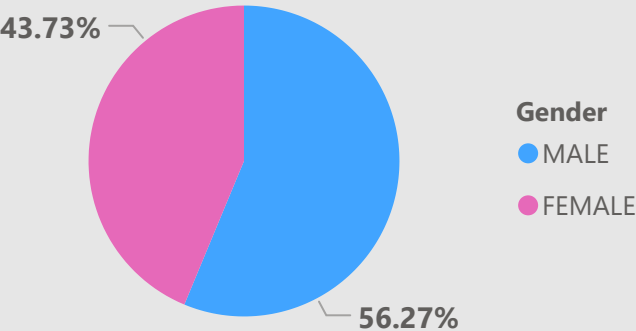
Gender Imbalance by District

District	Gender_Diff_percentage	Gender_Diff_Count	Gender_Diff_Rank
SABOBA	59.14	1291	7.63
LAWRA	83.56	488	4.08
TOLON	53.99	657	3.55
CENTRAL GONJA	68.63	280	1.92
NANUMBA NORTH	60.24	297	1.79
WA WEST	38.16	453	1.73
WA EAST	27.20	603	1.64
SAVELUGU NANTON	44.28	337	1.49
BUNKPRUGU YUNYOO	56.36	248	1.40
GUSHEGU	35.18	393	1.38
BAWKU WEST	26.94	447	1.20
KPANDAI	47.39	236	1.12
KUMBUNGU	62.11	177	1.10
SISSALA EAST	22.00	310	1.02

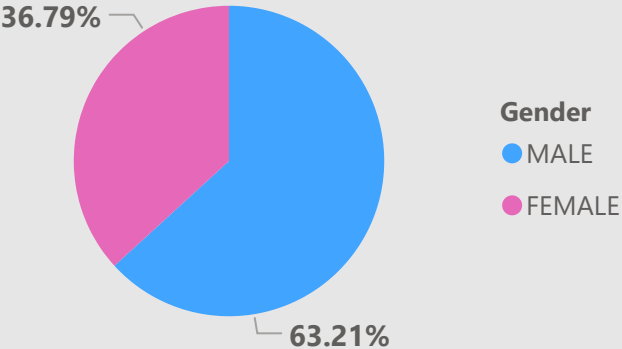
Northern Region - Tamale



Upper East Region - Bolgatanga



Upper West Region - Wa

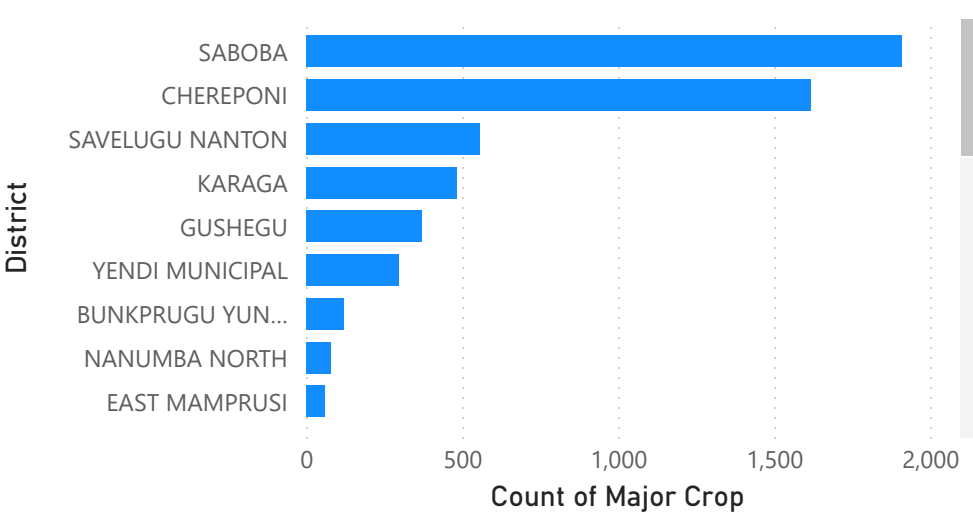


ADVANCE II CROP TYPE ANALYSIS

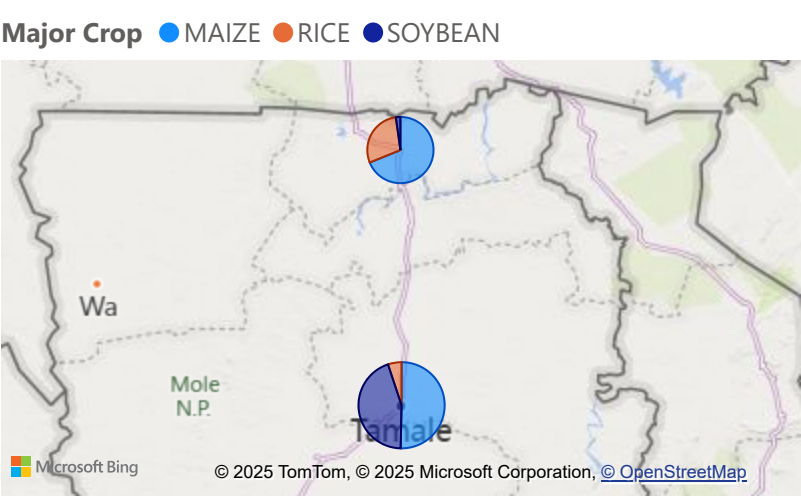
Soybean Farmers by District

District	Count of Major Crop
SABOBA	1909
CHEREPONI	1618
SAVELUGU NANTON	556
KARAGA	481
GUSHEGU	369
YENDI MUNICIPAL	298
BUNKPRUGU YUNYOO	119
NANUMBA NORTH	80
EAST MAMPRUSI	60
TOLON	51
Total	5655

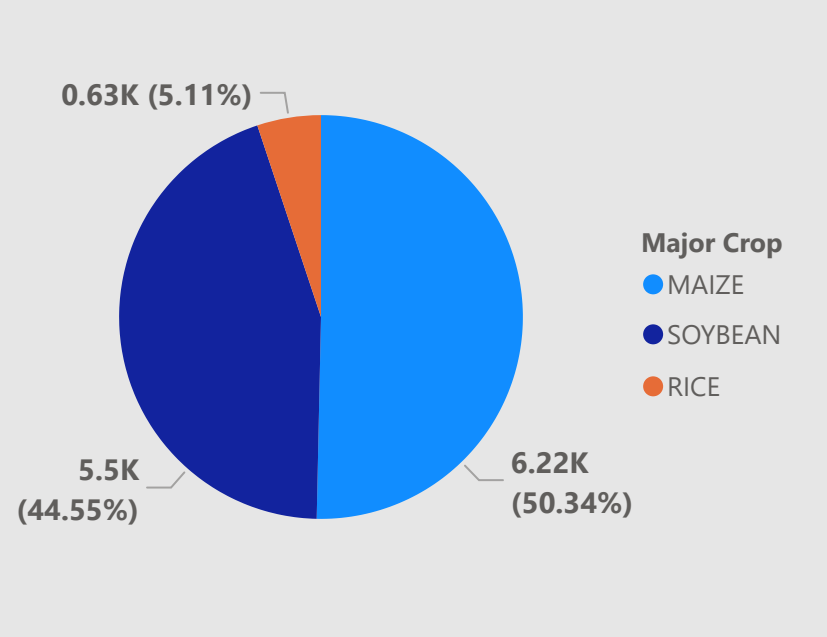
Soybean Farmers per District



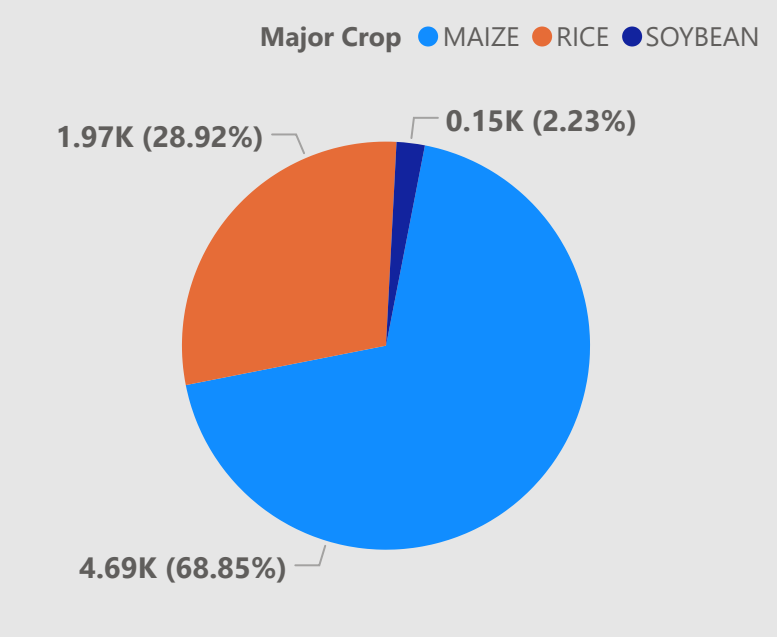
Crop Type by Region



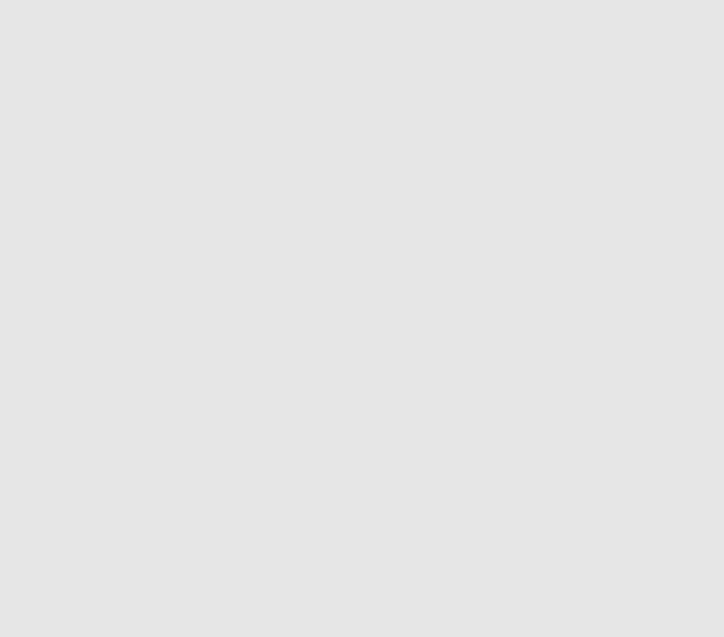
NORTHERN REGION - Tamale



UPPER EAST REGION - Bolgatanga



UPPER WEST REGION - Wa



ADVANCE II CROP VOLUME ANALYSIS

Maize (Metric Tonnes)

5.19K

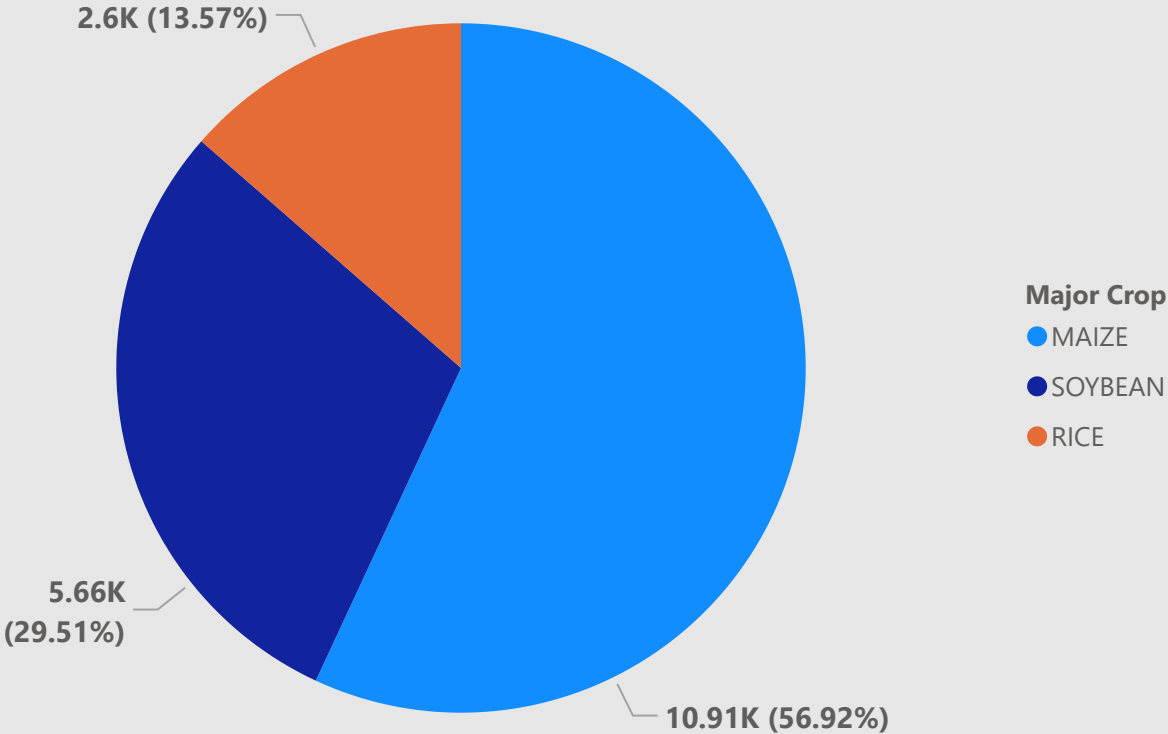
Rice (Metric Tonnes)

1.04K

Soybean (Metric Tonnes)

1.25K

Farmers Proportion per Crop



Average Maize Production Per Farmer (Tonnes/Farmer)

0.48

Average Production

Average Rice Production Per Farmer (Tonnes/Farmer)

0.40

Average Production

Average Soybean Production Per Farmer (Tonnes/Farmer)

0.22

Average Production

Recommendations for Web Database

1. If direct entry to excel cannot be used, ensure all forms fields are completed and with legible information before submitting to the excel sheet, otherwise make another information request.
2. Excel Data Validation can be used:
 1. Use validation cells in excel sheets, this will force user to only enter data in a specific format.
 2. Excel Data validation can also be used to prevent duplicate values when entering Farmer IDs for example.
 3. Row validation to prevent a data point(Row) being entered unless all attributes are filled.
 4. Drop down lists can be created for attributes that only need a specific set of values e.g. Education Level
 5. Value range validation example, Age and Project year
3. An ETL pipeline can be built in Azure to automatically clean the data and load to a Database and connect to Power Bi for reporting

N.B Would be good to obtain/include Longitude and Latitude fields for communities to improve mapping capabilities.

Comments/Assumptions Made

1. Ages under 10 are not valid
2. This analysis does not include crop data from the Upper West region Wa
3. 1 bag is 50 Kg, 1 MAXI bag is 50 lbs, 1 MINI bag is 25 lbs
4. Wa- Upper West Region, Tamale - Northern Region and Bolgatanga - Upper East Region.