

# FINANCIAL INCLUSION PROJECT ANALYSIS



## EXECUTIVE SUMMARY.

Traditionally, access to bank accounts has been regarded as an indicator of financial inclusion. Despite the proliferation of mobile money in Africa, and the growth of innovative fintech solutions, banks still play a pivotal role in facilitating access to financial services.

Therefore, the analysis checks the relationship between having a bank account against other variables. While the variables don't have a significant correlation, the results seen could help find out areas of focus and strategize differently.

Use of a machine model to analyze should help find complex relationships between the variables.

## Variable Definitions

**Country** - Country interviewee is in.

**Year** - Year survey was done in.

**Uniqueid** - Unique identifier for each interviewee

**Location\_type** - Type of location: Rural, Urban

**Cellphone\_access** - If interviewee has access to a cellphone: Yes, No

**Household\_size** - Number of people living in one house

**Age\_of\_respondent** - The age of the interviewee

**Gender\_of\_respondent** - Gender of interviewee: Male, Female

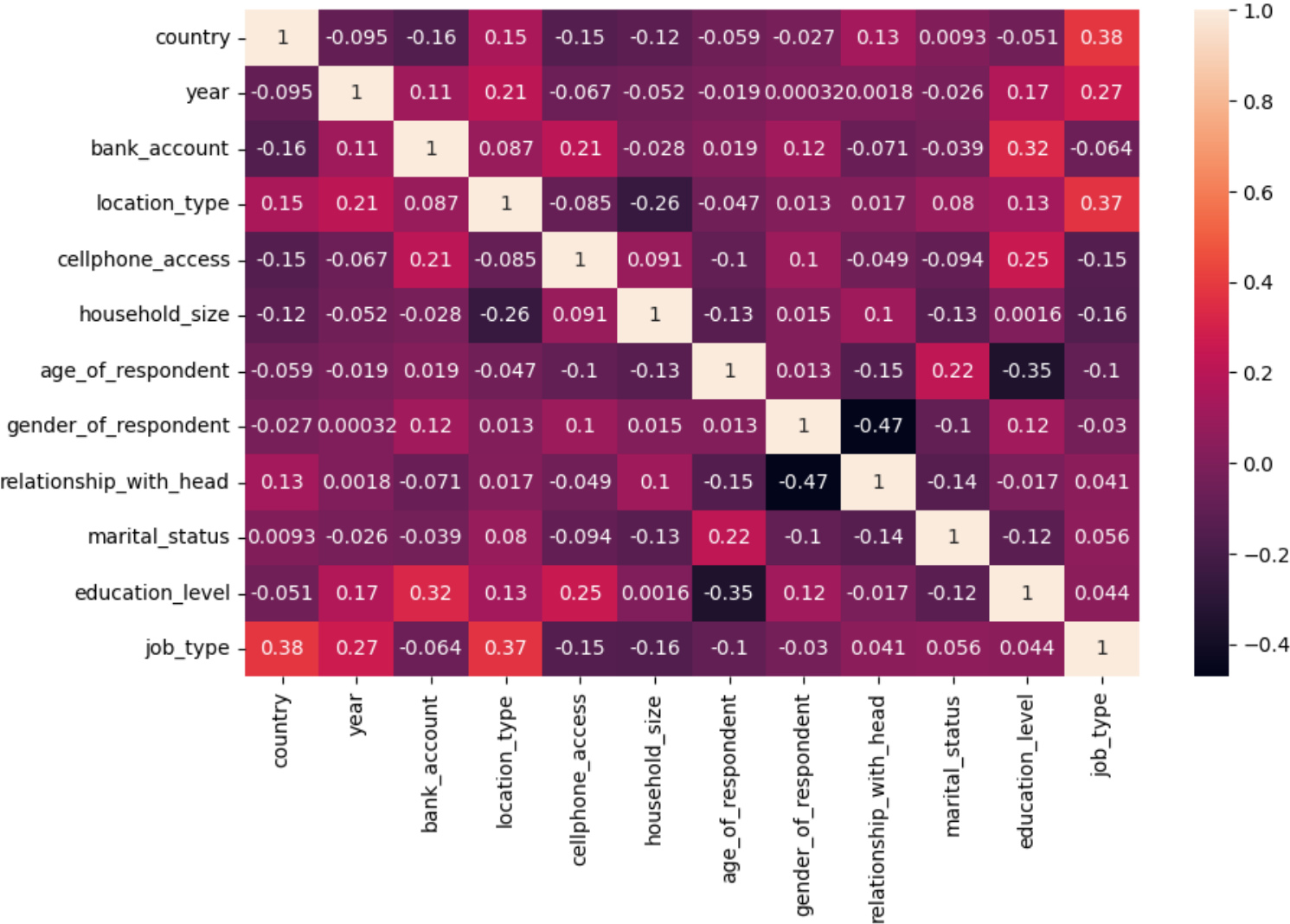
**Relationship\_with\_head** - The interviewee's relationship with the head of the house: Head of Household, Spouse, Child, Parent, Other relative, Other non-relatives, don't know

**Marital\_status** - The marital status of the interviewee: Married/Living together, Divorced/Separated, Widowed, Single/Never Married, don't know

**Education\_level** - Highest level of education: No formal education, Primary education, Secondary education, Vocational/Specialized training, Tertiary education, Other/Don't know/RTA

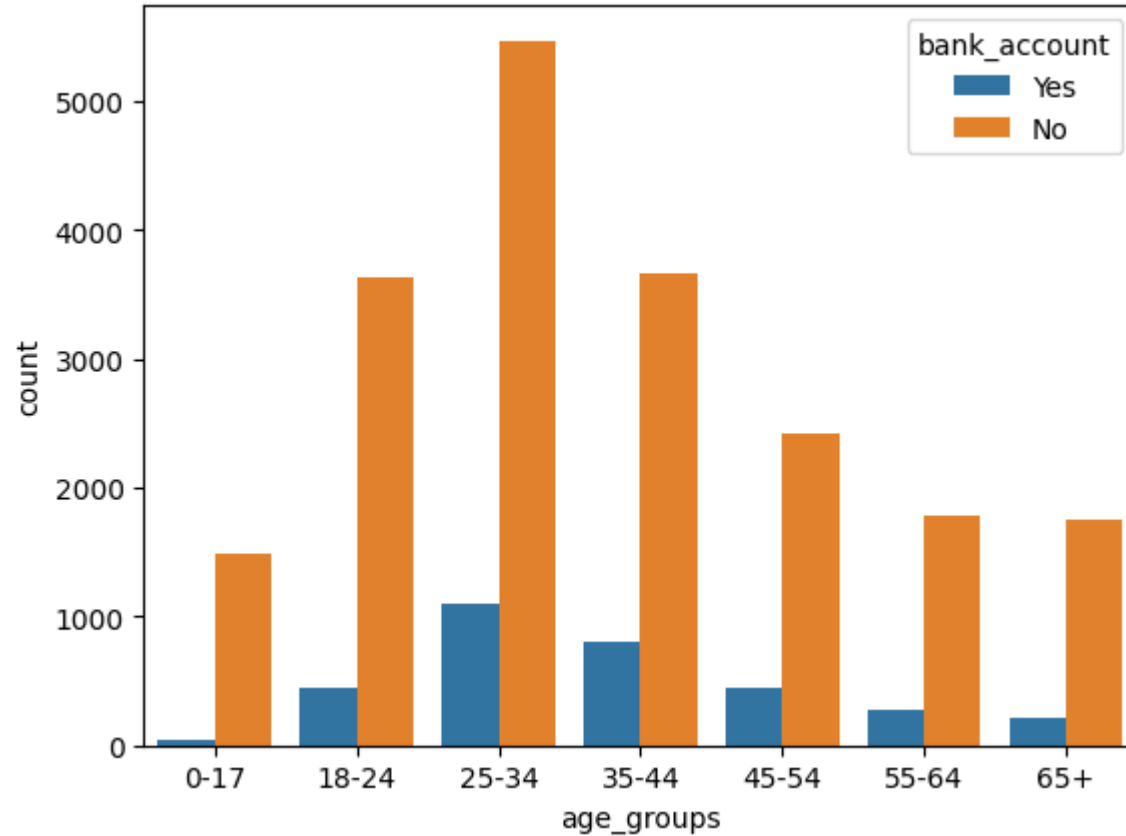
**Job\_type** - Type of job interviewee has: Farming and Fishing, Self-employed, Formally employed Government, Formally employed Private, Informally employed, Remittance Dependent, Government Dependent, Other Income, No Income, Don't Know/Refuse to answer.

# CORRELATION MATRIX



The correlation between the other variables against bank account are low. While this may be a point of concern on one side it may alternatively suggest that the relationship is more complex.

# AGE GROUP VS BANK ACCOUNT ACCESS

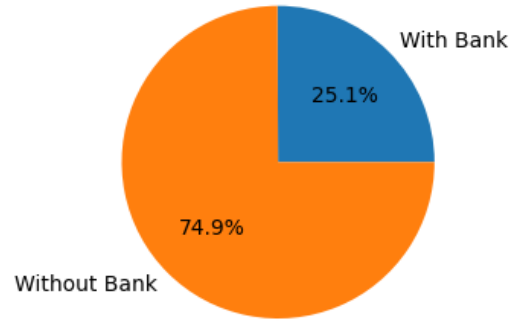


Age group 25 – 34 has the most number of people with a bank account. However, the difference between those who have a bank account and without is still as large.

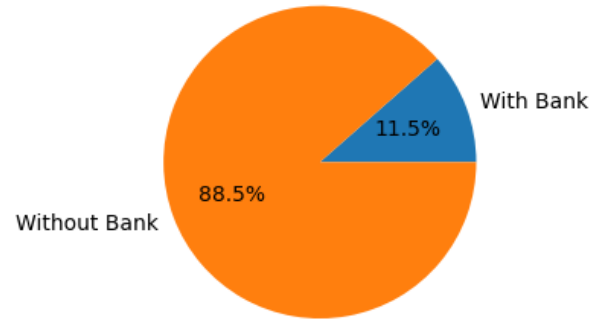
# THE RELATIONSHIP BETWEEN ACCESS TO A CELLPHONE AGAINST THE 4 EAST AFRICAN COUNTRIES AND ACCESS TO A BANK ACCOUNT

It is an opportune moment to note that Rwanda is the country with the most access to cellphones but have very low numbers with access to bank accounts. And Kenya with it's well adaptation to smart phones and high numbers of cell phone access still has very low numbers in bank access.

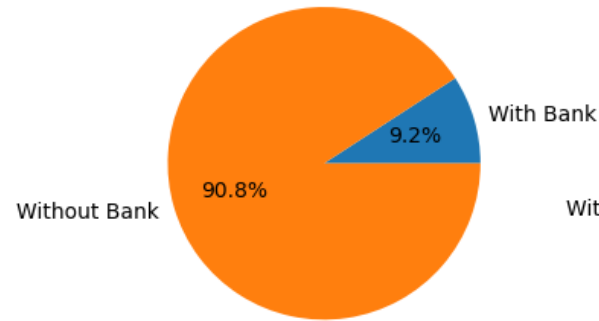
Kenya



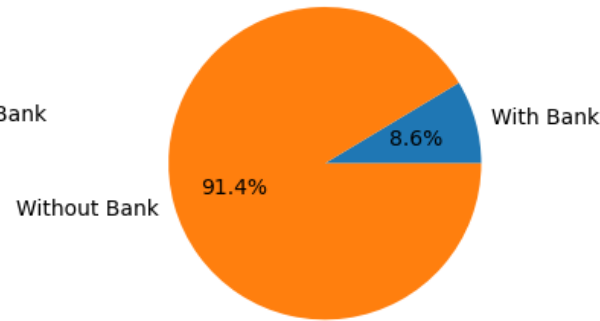
Rwanda



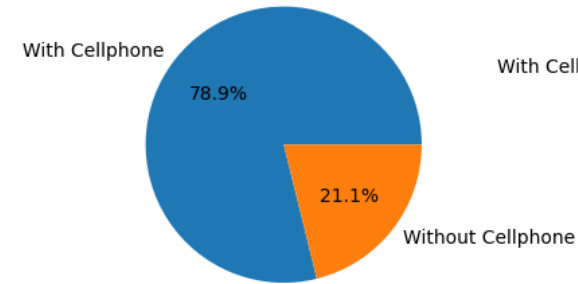
Tanzania



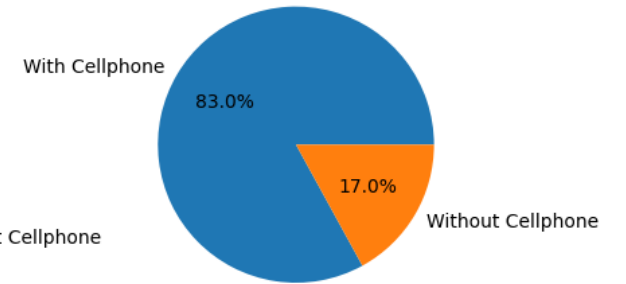
Uganda



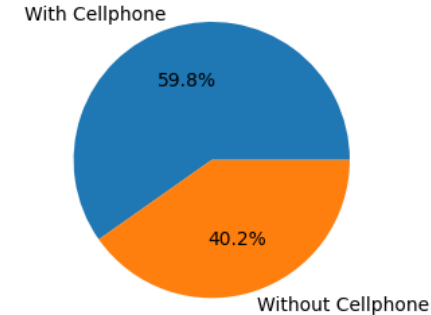
Kenya



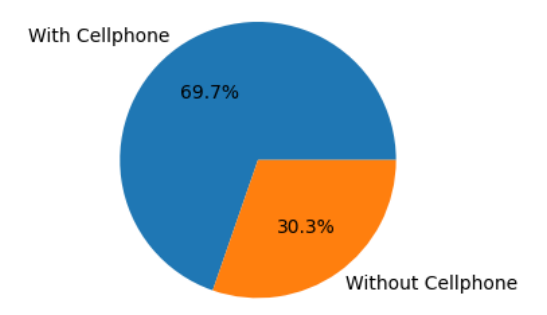
Rwanda



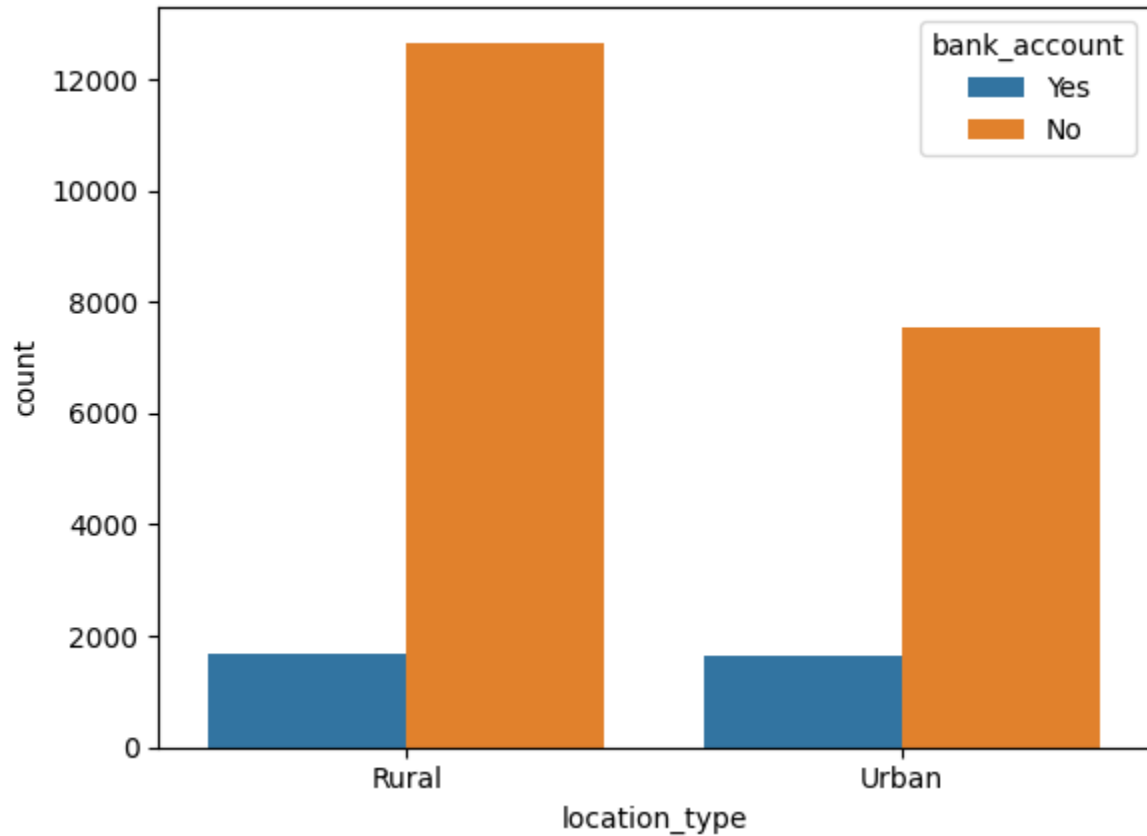
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Uganda

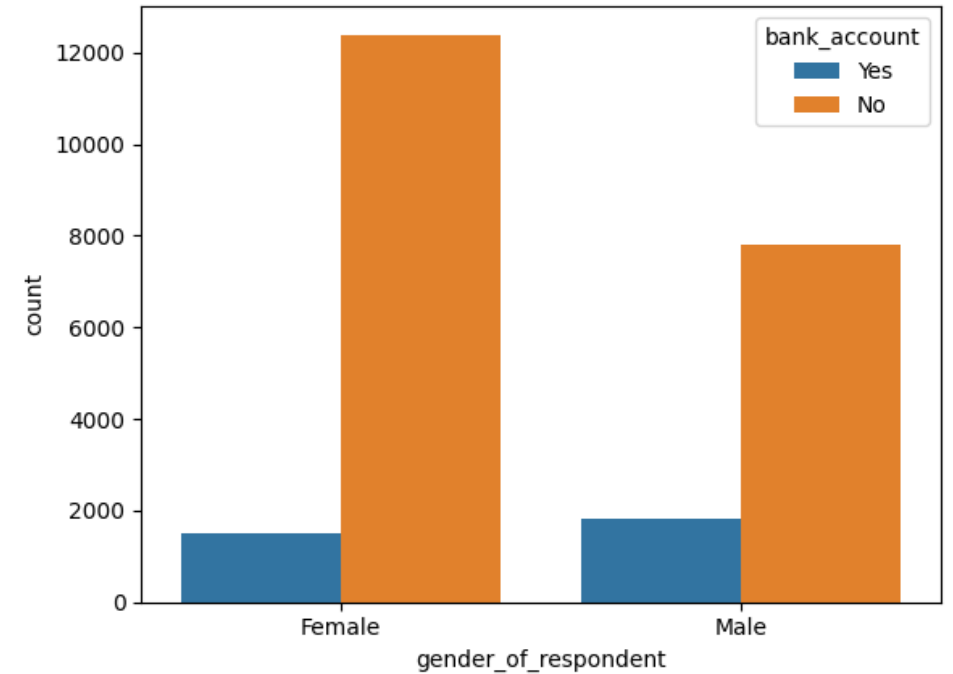
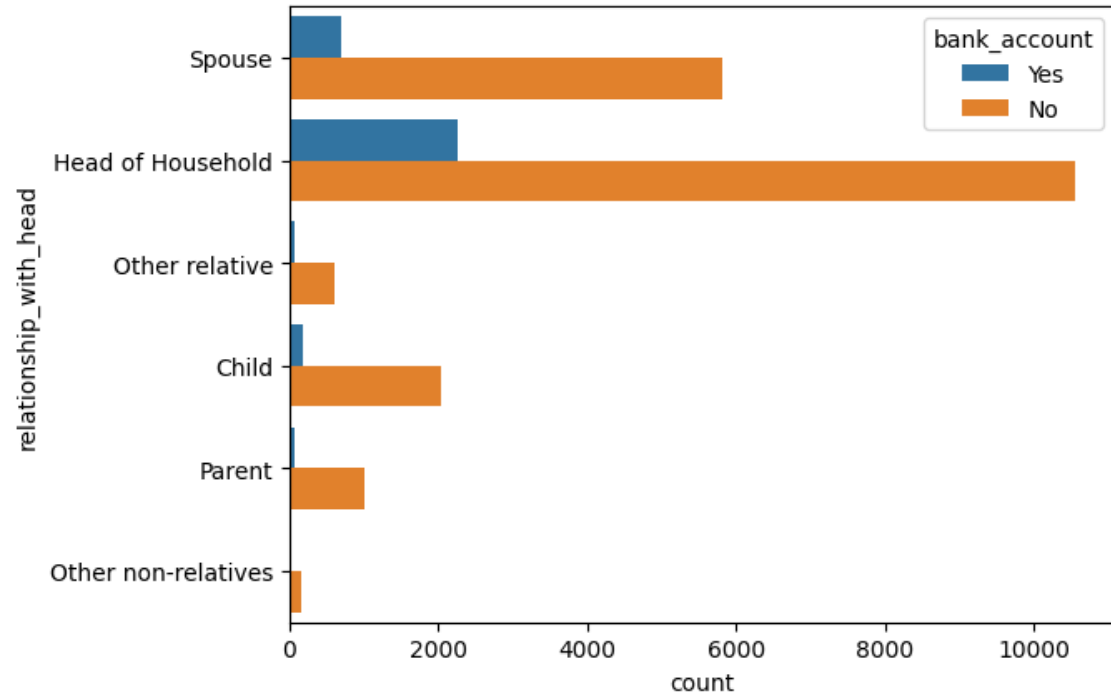


## LOCATION TYPE VS BANK ACCOUNT



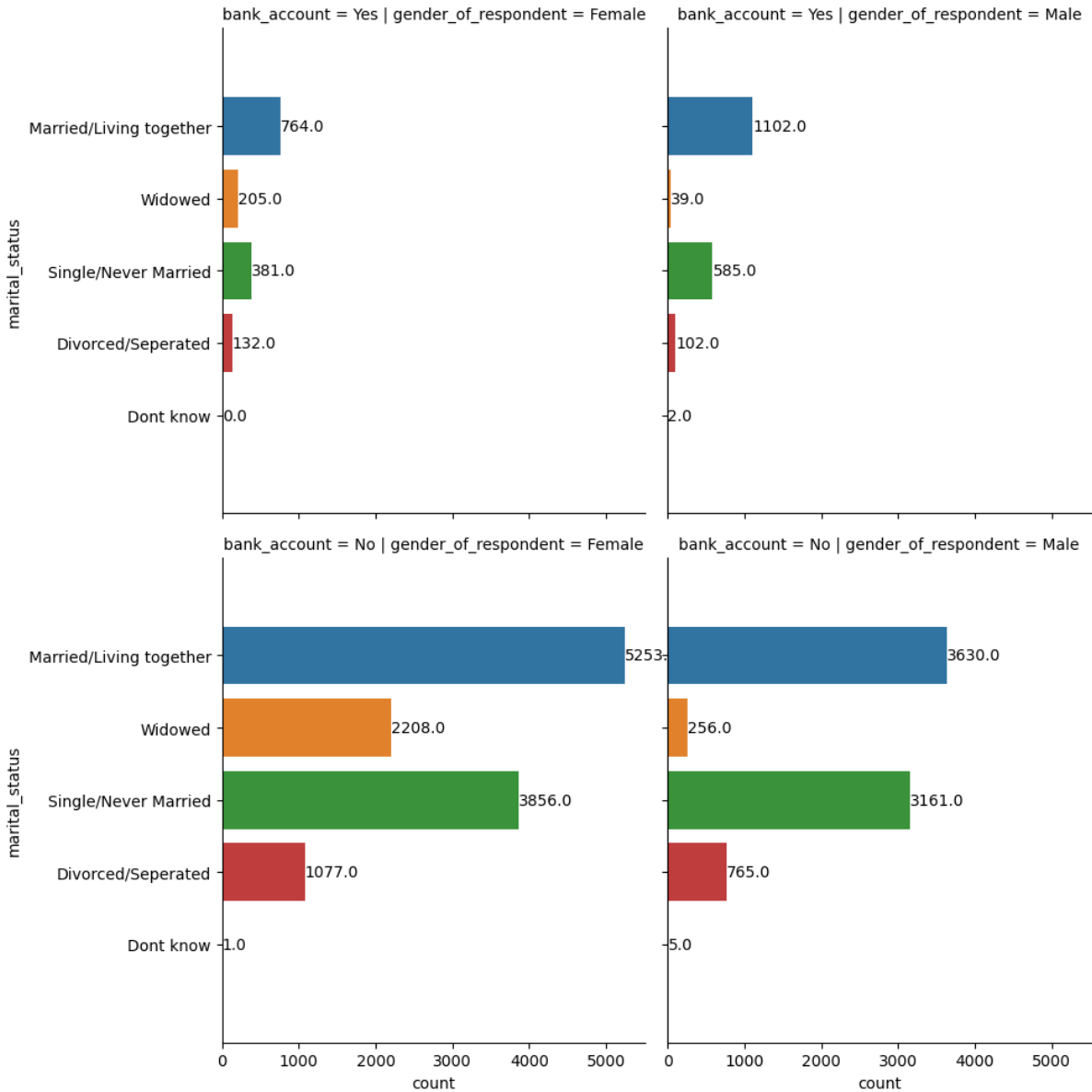
The difference between those who have bank accounts in the urban areas and the rural areas is not that wide.

# GENDER AND RELATIONSHIP WITH HEAD VS BANK ACCOUNT



Gender is a factor affecting access to a bank account but it is not a significant factor.

# GENDER VS MARITAL\_STATUS AGAINST ACCESS TO A BANK ACCOUNT

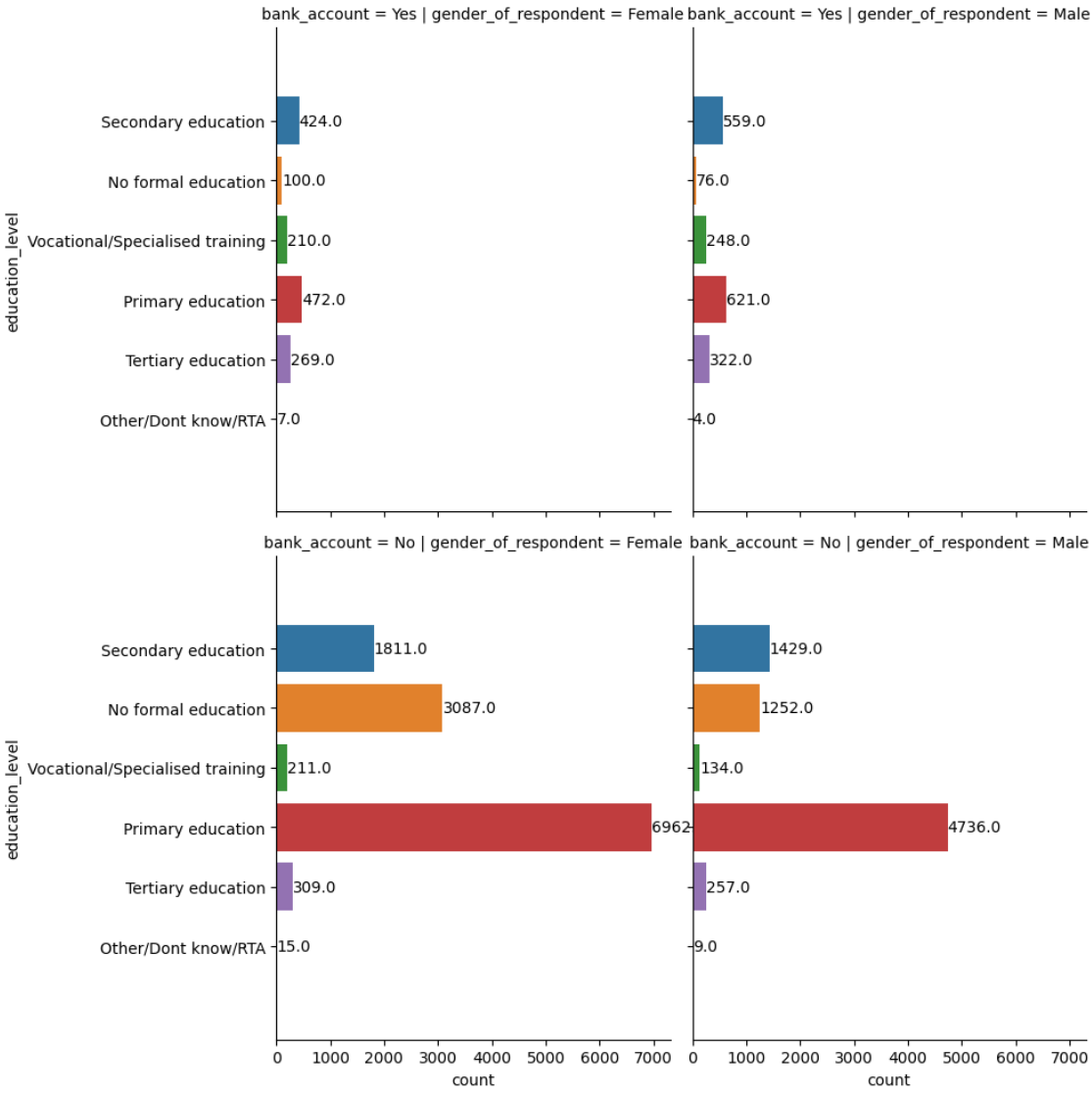


Women who are married are more likely to have a bank account compared to single/unmarried.

Also most men and women are likely not to have bank accounts.

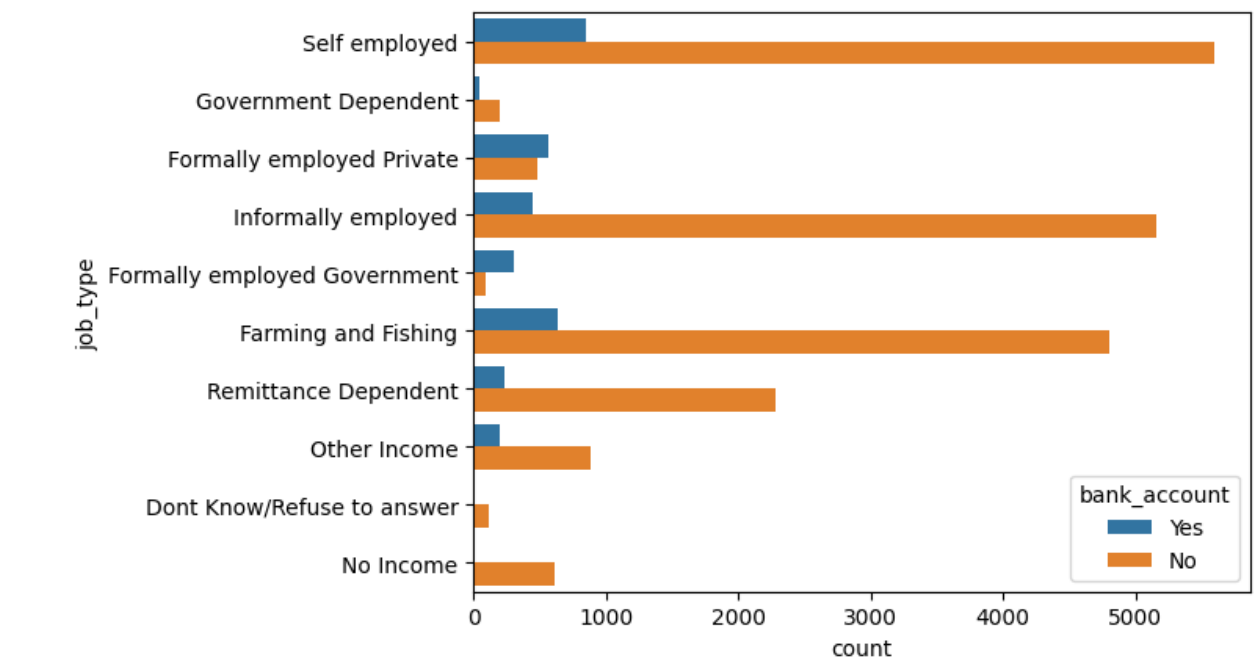


# GENDER VS EDUCATION\_LEVEL AGAINST ACCESS TO A BANK ACCOUNT



The people whose education level is primary school are most likely not to have a bank account and as per the graph represents a large number of the 4 East African countries.

JOB\_TYPE VS ACCESS TO A BANK ACCOUNT



Self-employed people are more likely to have bank accounts than the rest of the groups. However, the difference between those with bank accounts and those without have a large difference in margin and is a big weakness compared to the total number of people in that group.

job_type	Dont Know/Refuse to answer	Farming and Fishing	Formally employed Government	Formally employed Private	Government Dependent	Informally employed	No Income	Other Income	Remittance Dependent	Self employed
bank_account										
No	112	4806	87	484	197	5152	614	884	2287	5589
Yes	14	635	300	571	50	445	13	196	240	848