



# Baseline Study for the Tuungane Health and Conservation Project

Social Assessment of Lake Tanganyika  
Households



Sustain East Africa

November 2024

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## **Acknowledgements**

Acknowledgements



# Summary

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Provide broad overview of key findings

# Introduction

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Intro text...

# General Household Information

Household sample sizes across villages along the lake Tanganyika shoreline.

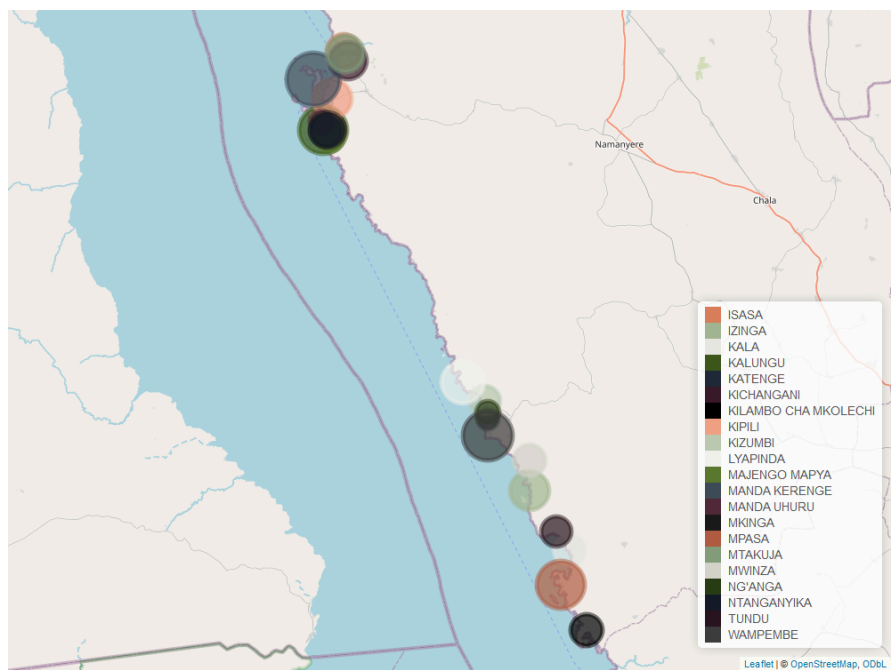


Figure 1: Map of lake Tanganyika with sample sizes from each locations

## Population Pyramid

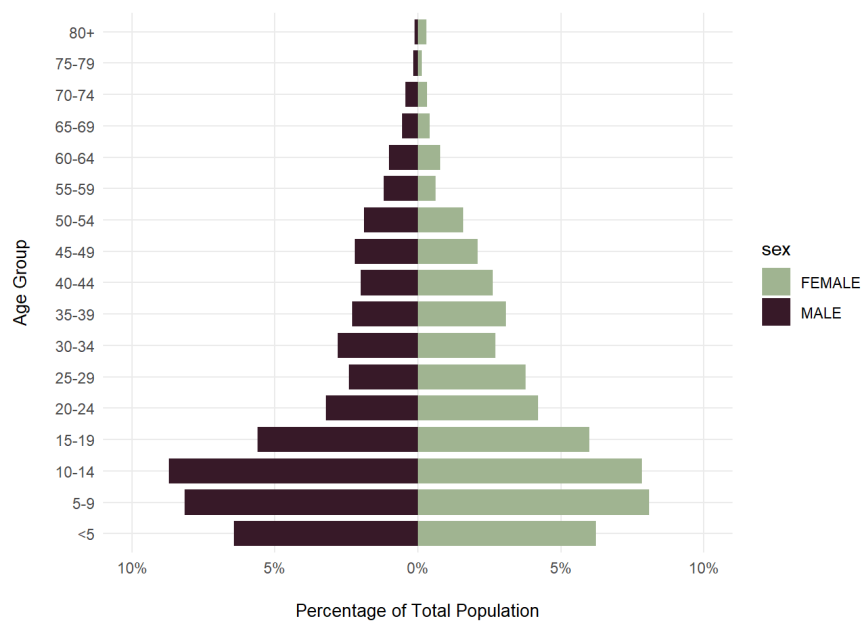


Figure 2: Population pyramid

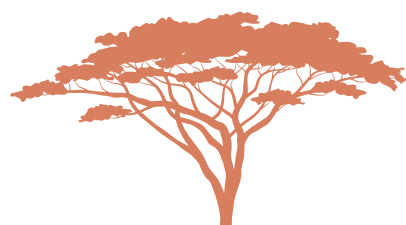


Table 1: Proportion of household heads born in the ward

Village	Yes	No	Average years spent if not born
ISASA	56.4%	43.6%	18.5
IZINGA	18.2%	81.8%	26.4
KALA	10.5%	89.5%	21.0
KALUNGU	48.3%	51.7%	18.2
KATENGE	53.3%	46.7%	25.4
KICHANGANI	57.8%	42.2%	22.0
KILAMBO CHA MKOLECHI	31.6%	68.4%	18.2
KIPILI	25%	75%	26.9
KIZUMBI	22.6%	77.4%	21.4
LYAPINDA	38.5%	61.5%	22.9
MAJENGO MAPYA	13.8%	86.2%	6.5
MANDA KERENGE	28.7%	71.3%	20.5
MANDA UHURU	10.5%	89.5%	28.5
MKINGA	30.6%	69.4%	22.9
MPASA	19.5%	80.5%	23.1
MTAKUJA	32.7%	67.3%	31.5
MWINZA	12.8%	87.2%	27.6
NG'ANGA	16.7%	83.3%	29.7
NTANGANYIKA	36.1%	63.9%	20.5
TUNDU	25%	75%	19.6
WAMPEMBE	18.6%	81.4%	19.7





## Poverty Probability Index

Table 2: Percentage (%) estimates of the Poverty Probability Index (PPI) for households

Category	Upper National Poverty Line	Lower National Poverty Line	Extreme Poverty Line
Overall	63.6	58.2	25.6
Male	65.7	60.1	26.5
Female	56.3	52.1	22.4
Youth	61.5	55.7	22.8



# Quantitative Analysis

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# Livelihoods

## Household welfare self-assessment

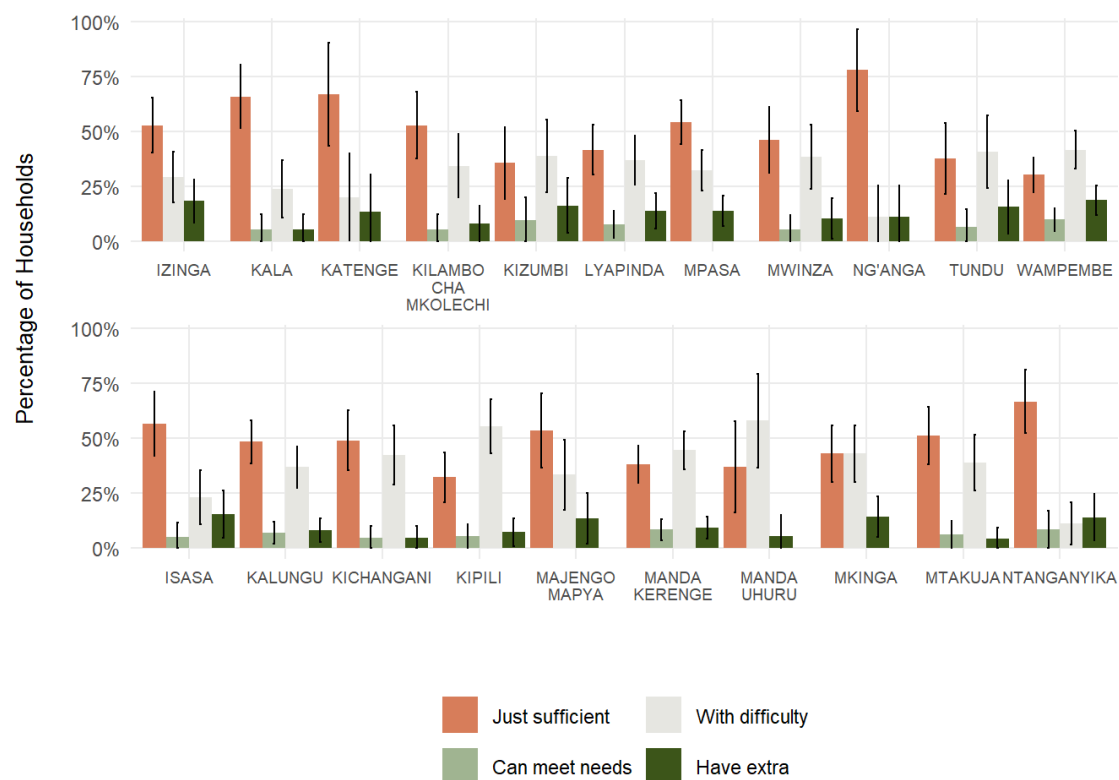


Figure 3: Self-assessment of the ability to meet daily needs at village level



## Fishing

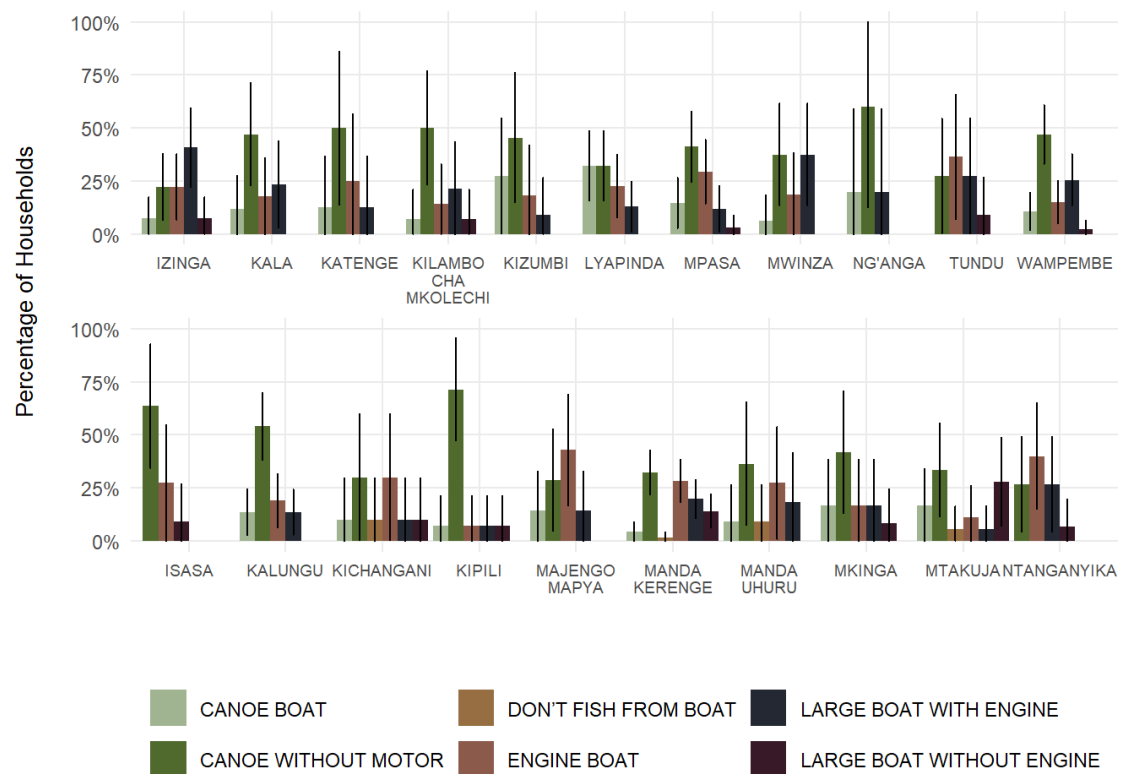


Figure 4: Type of fishing boats used at village level

Relative importance of different species at village level



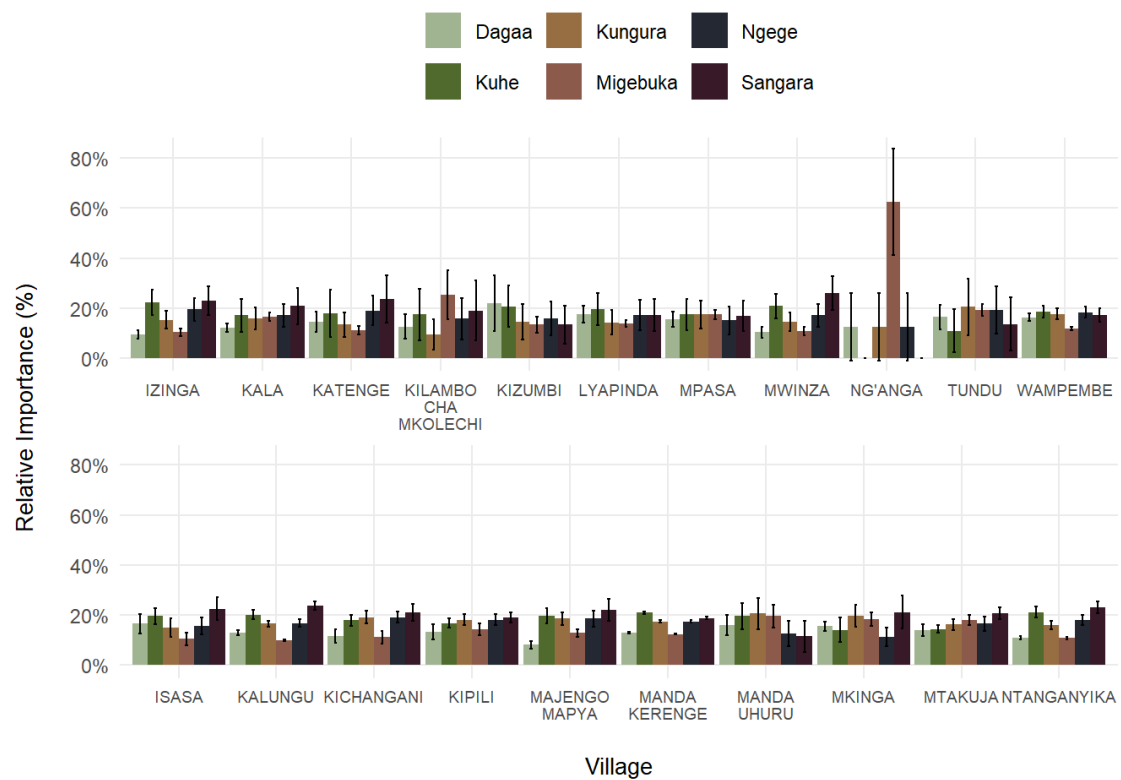


Figure 5: Relative importance of different species at village level



# Living Conditions, Housing, and Energy Use

## Water Use

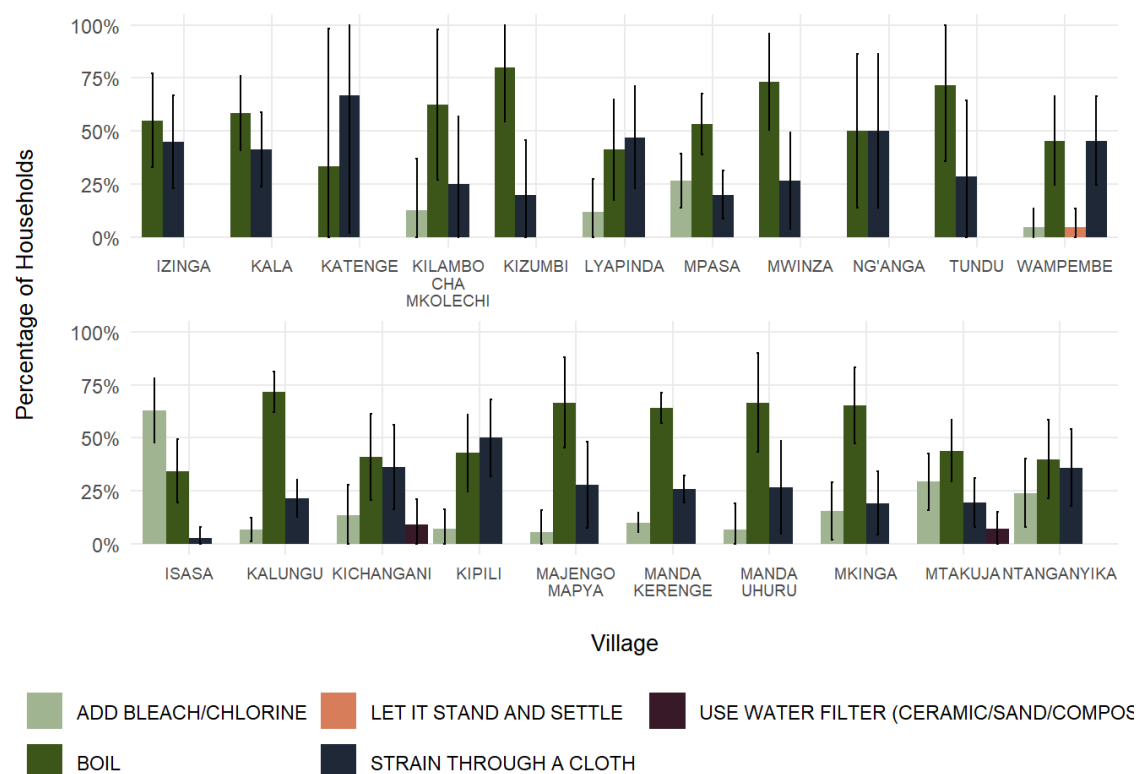


Figure 6: Main type of water treatment in the dry season

Table 3: Water treatment in the dry season at village level (%)

Village	Add Bleach or Chlorine	Boil	Strain Through a Cloth	Use Water Filter	Let it Stand and Settle
ISASA	62.9%	34.3%	2.9%		
IZINGA		55%	45%		
KALA		58.6%	41.4%		
KALUNGU	6.8%	71.6%	21.6%		
KATENGE		33.3%	66.7%		
KICHANGANI	13.6%	40.9%	36.4%	9.1%	
KILAMBO CHA MKOLECHI	12.5%	62.5%	25%		
KIPILI	7.1%	42.9%	50%		



Village	Add Bleach or Chlorine	Boil	Strain Through a Cloth	Use Water Filter	Let it Stand and Settle
KIZUMBI		80%	20%		
LYAPINDA	11.8%	41.2%	47.1%		
MAJENGO MAPYA	5.6%	66.7%	27.8%		
MANDA KERENGE	10.1%	64%	25.9%		
MANDA UHURU	6.7%	66.7%	26.7%		
MKINGA	15.4%	65.4%	19.2%		
MPASA	26.7%	53.3%	20%		
MTAKUJA	29.3%	43.9%	19.5%	7.3%	
MWINZA		73.3%	26.7%		
NG'ANGA		50%	50%		
NTANGANYIKA	24%	40%	36%		
TUNDU		71.4%	28.6%		
WAMPEMBE	4.5%	45.5%	45.5%		4.5%

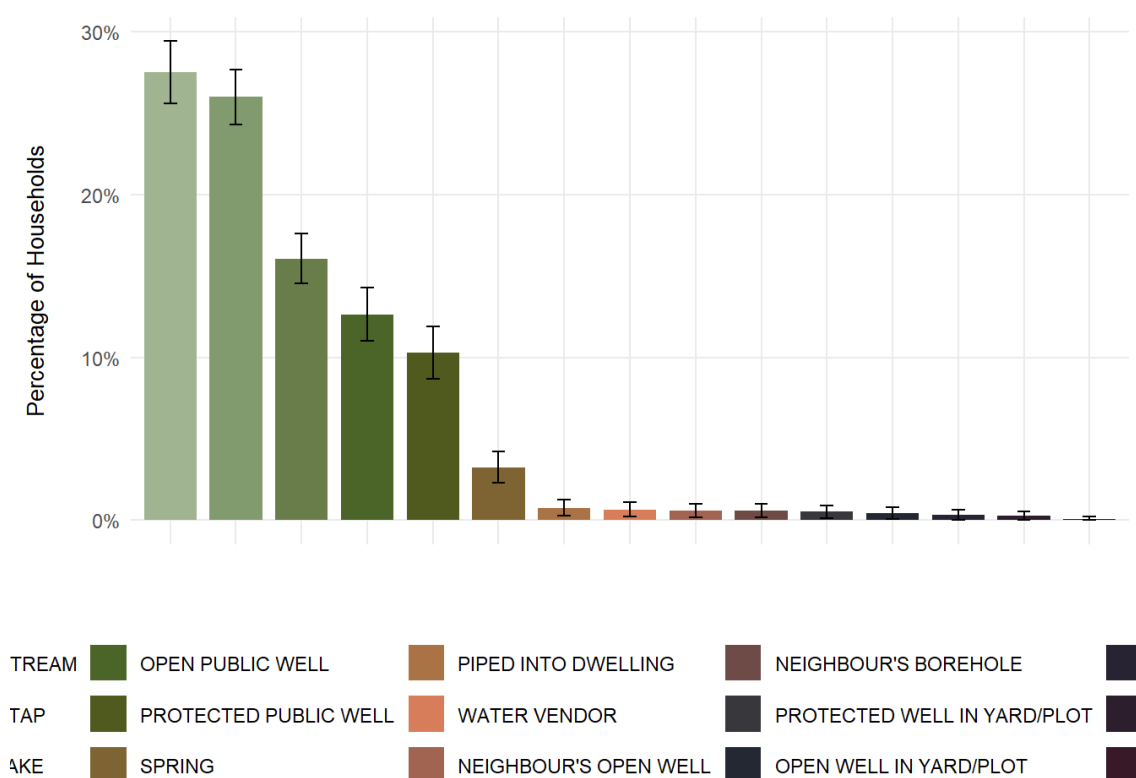


Figure 7: Main source of water in the dry season



Table 4: Main water source in the dry season at village level (%)





Village	Neighbour's Open Well	Neighbour's Tap	Open Public Well	Piped into Plot	Pond or Lake	Protected Public Well	Protected Well in Plot	Public Tap	River or Stream
ISASA	2.6%	2.6%	17.9%	5.1%	2.6%	15.4%	7.7%	7.7%	33.3%
IZINGA			7.3%		7.3%	38.2%			45.5%
KALA					5.3%				94.7%
KALUNGU			17.2%		10.3%	13.8%	1.1%	12.6%	31%
KATENGE			20%		6.7%	20%			53.3%
KICHANGANI	6.7%		24.4%		2.2%	4.4%	2.2%	11.1%	24.4%
KILAMBO CHA MKOLECHI					10.5%	2.6%		86.8%	
KIPILI	1.8%	1.8%		3.6%	12.5%	8.9%		66.1%	1.8%
KIZUMBI					3.2%				96.8%
LYAPINDA			40%		4.6%	7.7%			38.5%
MAJENGO MAPYA			16.7%		20%	6.7%		53.3%	
MANDA KERENGE					93.5%				2.8%
MANDA UHURU					84.2%			5.3%	5.3%
MKINGA			4.1%		6.1%	26.5%		59.2%	
MPASA					8%	1.1%		87.4%	1.1%
MTAKUJA	2%	2%	2%		12.2%	6.1%	2%	8.2%	32.7%
MWINZA					2.6%				97.4%
NG'ANGA			11.1%		27.8%				55.6%
NTANGANYIKA			8.3%		25%	25%		33.3%	2.8%
TUNDU					3.1%	6.2%		53.1%	37.5%
WAMPEMBE	0.9%		50.4%		2.7%	22.1%		21.2%	0.9%

## Sanitation

Table 5: Sanitation facilities at village level (%)



Village	Shared Sanitation Facility	Flush elsewhere	Flush to pit latrine	No facility	Pit latrine with slab	Open pit	Composting toilet	VIP latrine	Other
ISASA	17.9%	7.7%	69.2%	2.6%	5.1%	15.4%			
IZINGA	11.1%	1.8%	12.7%	1.8%	16.4%	63.6%	1.8%	1.8%	
KALA	24.3%	2.6%	5.3%	5.3%	5.3%	73.7%		7.9%	
KALUNGU	16.1%	1.1%	24.1%		14.9%	47.1%		12.6%	
KATENGE	6.7%		6.7%		20%	73.3%			
KICHANGANI	22.2%	15.6%	31.1%	2.2%	4.4%	24.4%		22.2%	
KILAMBO CHA MKOLECHI	26.3%		26.3%		2.6%	63.2%		7.9%	
KIPILI	23.2%	3.6%	30.4%	5.4%	21.4%	21.4%		17.9%	
KIZUMBI	12.9%		6.5%		25.8%	58.1%		9.7%	
LYAPINDA	15.4%	1.5%	3.1%	3.1%	9.2%	80%		3.1%	
MAJENGO MAPYA	31%		6.7%	3.3%	20%	63.3%		6.7%	
MANDA KERENGE	15.7%	2.8%	19.4%	0.9%	18.5%	43.5%		13%	1.9%
MANDA UHURU	33.3%		5.3%	15.8%	26.3%	52.6%			
MKINGA	18.4%		18.4%	2%	6.1%	65.3%		8.2%	
MPASA	23%	3.4%	5.7%		11.5%	75.9%		3.4%	
MTAKUJA	20.4%	4.1%	40.8%		20.4%	12.2%		22.4%	
MWINZA	23.1%		2.6%		7.7%	84.6%	2.6%	2.6%	
NG'ANGA	33.3%				16.7%	83.3%			
NTANGANYIKA	41.7%	2.8%	41.7%	2.8%	13.9%	36.1%		2.8%	
TUNDU	40.6%		9.4%	3.1%	12.5%	71.9%		3.1%	
WAMPEMBE	18.6%	0.9%	9.7%		18.6%	60.2%	0.9%	9.7%	



# Household Items

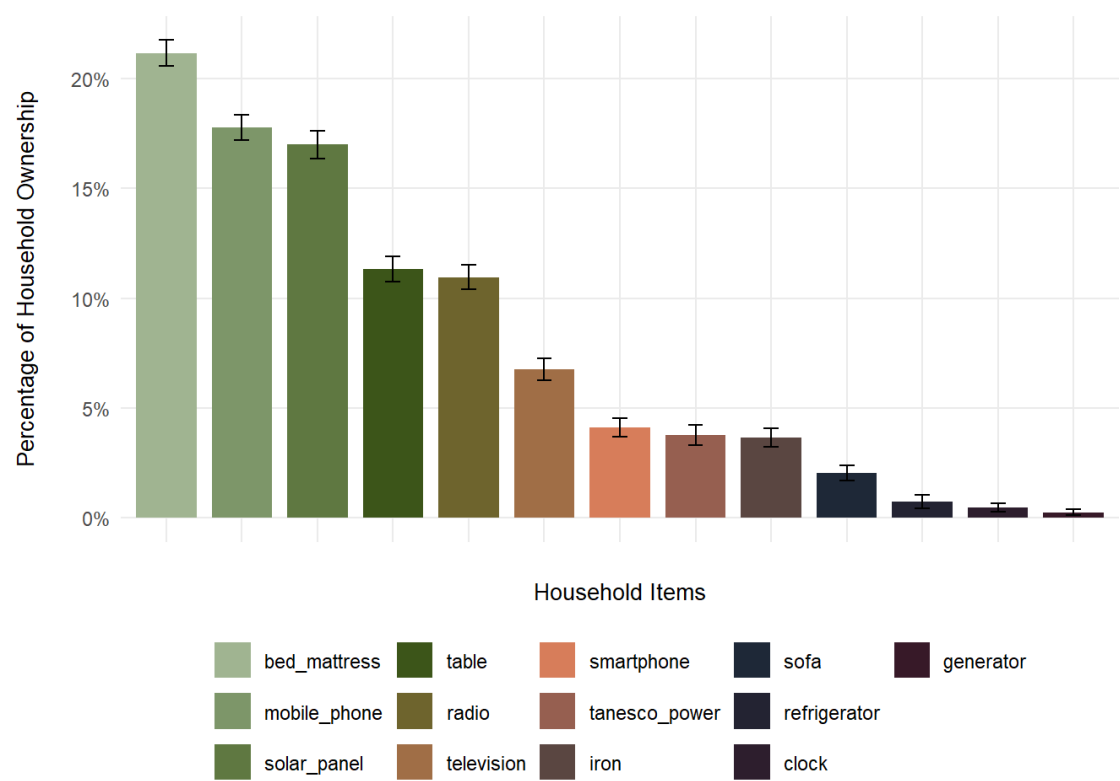


Figure 8: Household item ownership

Table 6: Asset ownership at village level (%)



Village	Bed or Mattress	Clock	Generator	Iron	Mobile Phone	Radio	Refrigerator	Smartphone	Sofa	Stove
ISASA	17.3%	0.9%	0.9%	7.7%	15.9%	10%	1.4%	6.8%	1.4%	1%
IZINGA	26.3%	1%	0.5%	1.4%	19.6%	12%	0.5%	1.9%	0.5%	2%
KALA	22.8%	0.7%		3.7%	20.6%	11.8%			1.5%	2%
KALUNGU	19%	0.9%	0.5%	3.3%	16.2%	10.8%	0.7%	4.7%	1.6%	1%
KATENGE	32.6%				23.9%	8.7%		2.2%		
KICHANGANI	16.8%	1.6%		6.8%	15.2%	7.6%	1.2%	5.2%	2.4%	
KILAMBO CHA MKOLECHI	21%		1.2%	4.2%	17.4%	13.2%		4.2%		1%
KIPILI	19.8%	0.7%	0.4%	3.2%	15.9%	9.5%	1.1%	4.6%	2.8%	1%
KIZUMBI	23.3%			4.3%	19%	13.8%	0.9%	0.9%		2%
LYAPINDA	24.4%	0.5%		1.9%	18.3%	15%		2.8%	0.9%	2%
MAJENGO MAPYA	26.9%			0.9%	23.1%	10.2%		2.8%		2%
MANDA KERENGE	19.6%			2.8%	15.6%	10.3%	1.2%	7.1%	3%	1%
MANDA UHURU	22.2%			2.5%	17.3%	9.9%		4.9%	2.5%	1%
MKINGA	21%	0.5%		2.5%	18.5%	10%		2.5%	3%	
MPASA	21.4%		0.3%	4.5%	18.5%	12.1%	0.3%	4%	1.8%	1%
MTAKUJA	15.3%	1%	0.3%	7.5%	14.3%	9.4%	1.9%	5.5%	5.2%	
MWINZA	27.8%			3.2%	20.6%	10.3%		2.4%		2%
NG'ANGA	27.9%				21.3%	8.2%		3.3%		
NTANGANYIKA	18.7%	0.5%		4.9%	15.9%	12.1%	0.5%	6.6%	2.7%	1%
TUNDU	26.3%				22.2%	11.1%		2%		2%
WAMPEMBE	20.4%	0.4%	0.4%	3.3%	18.5%	10.7%	1.6%	4.1%	3.7%	1%



## Access to Credit

Proportion of households that borrowed money in the last year at village level

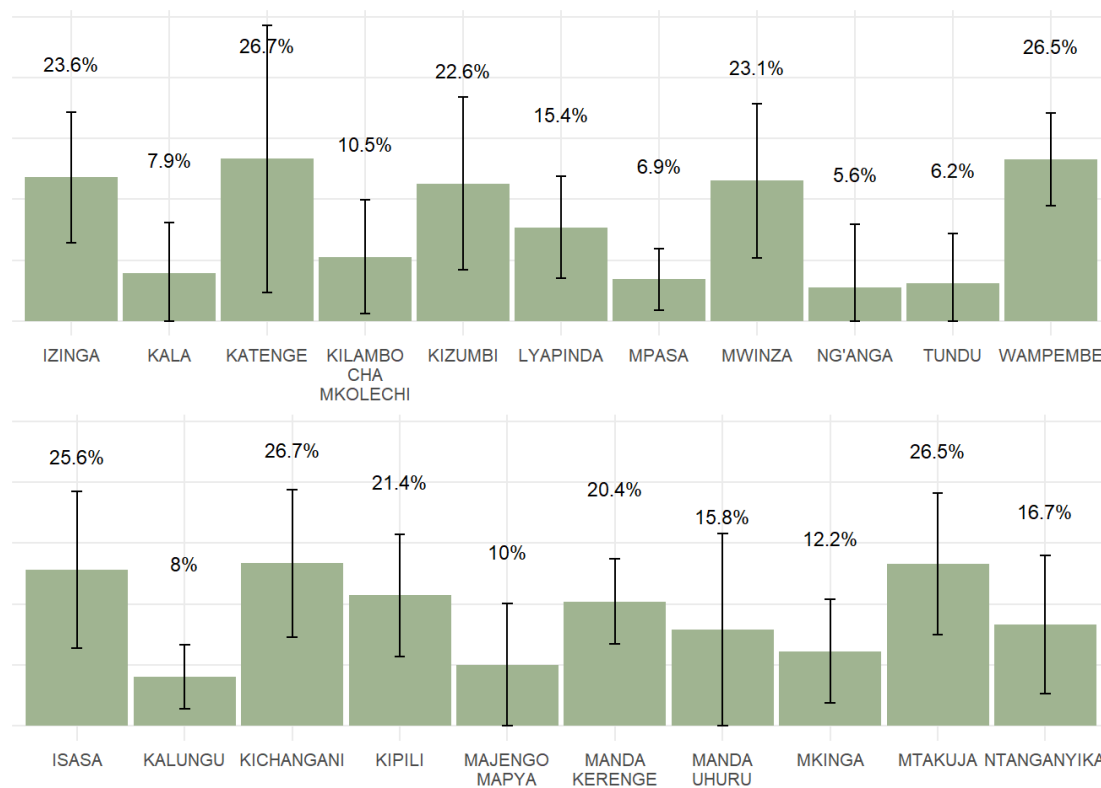


Figure 9: Proportion of households that borrowed money in the last year at village level



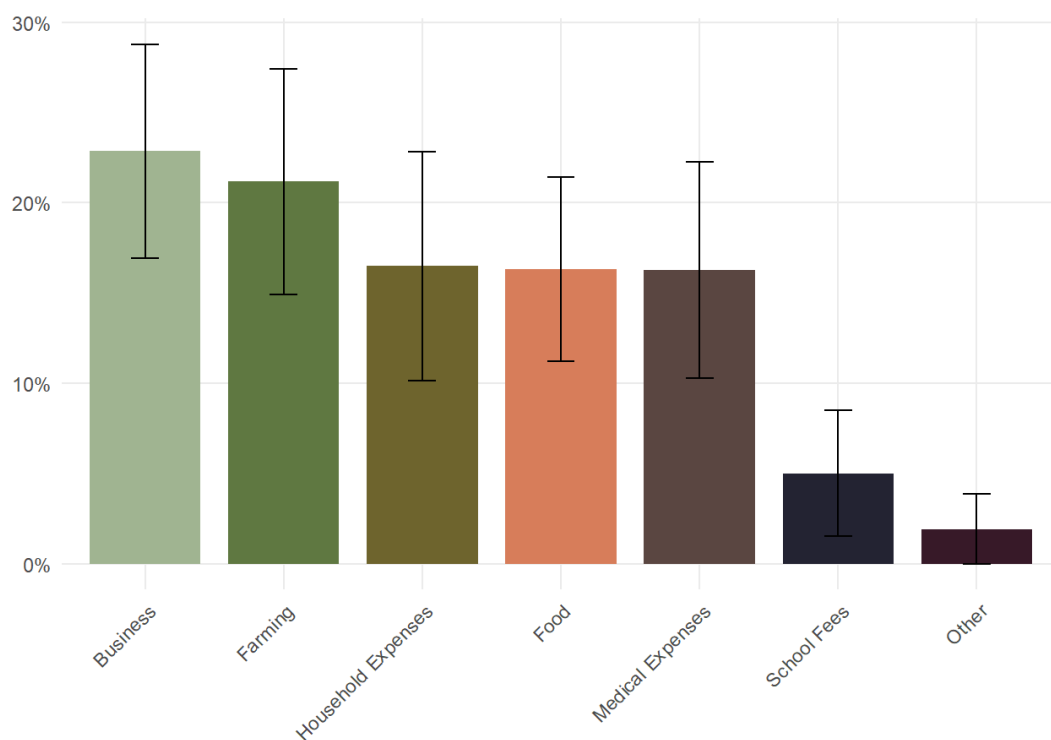


Figure 10: Purpose of the loan

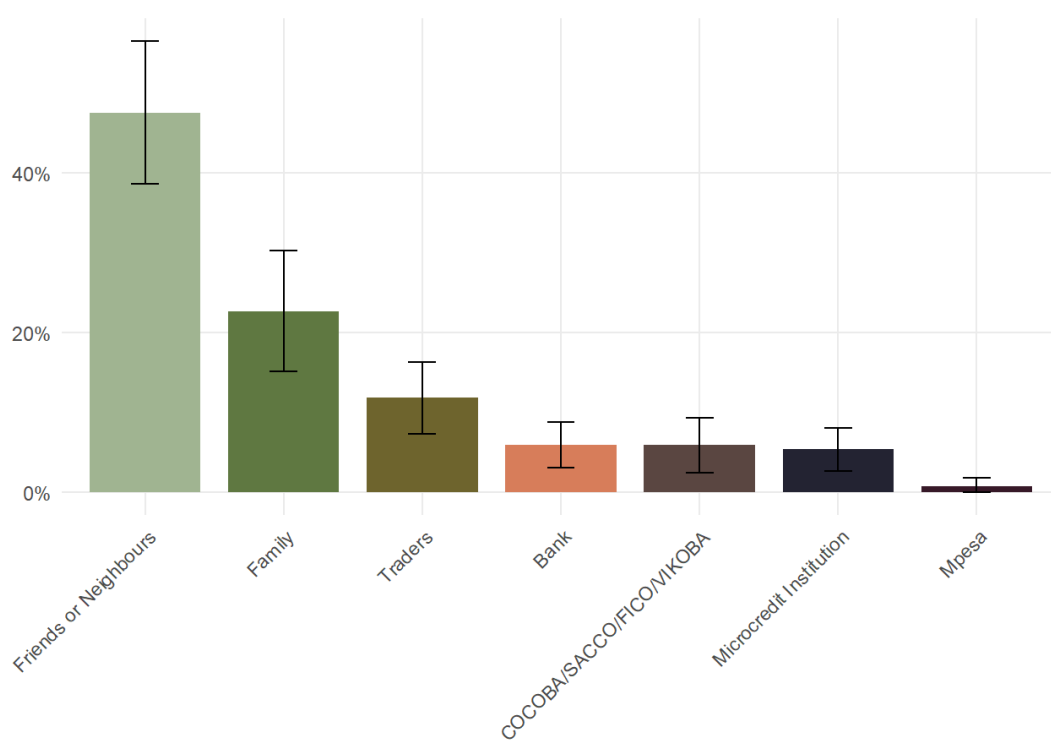


Figure 11: Source of loans



### Reason for not having borrowed any money in the previous year

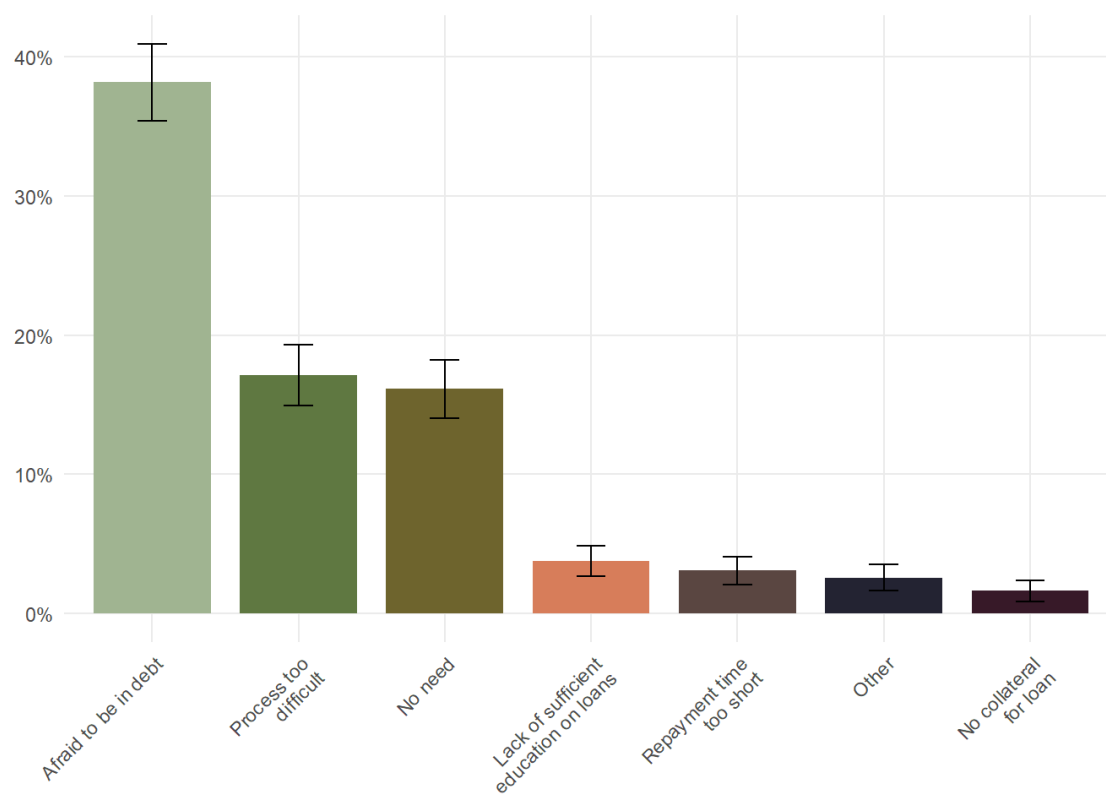
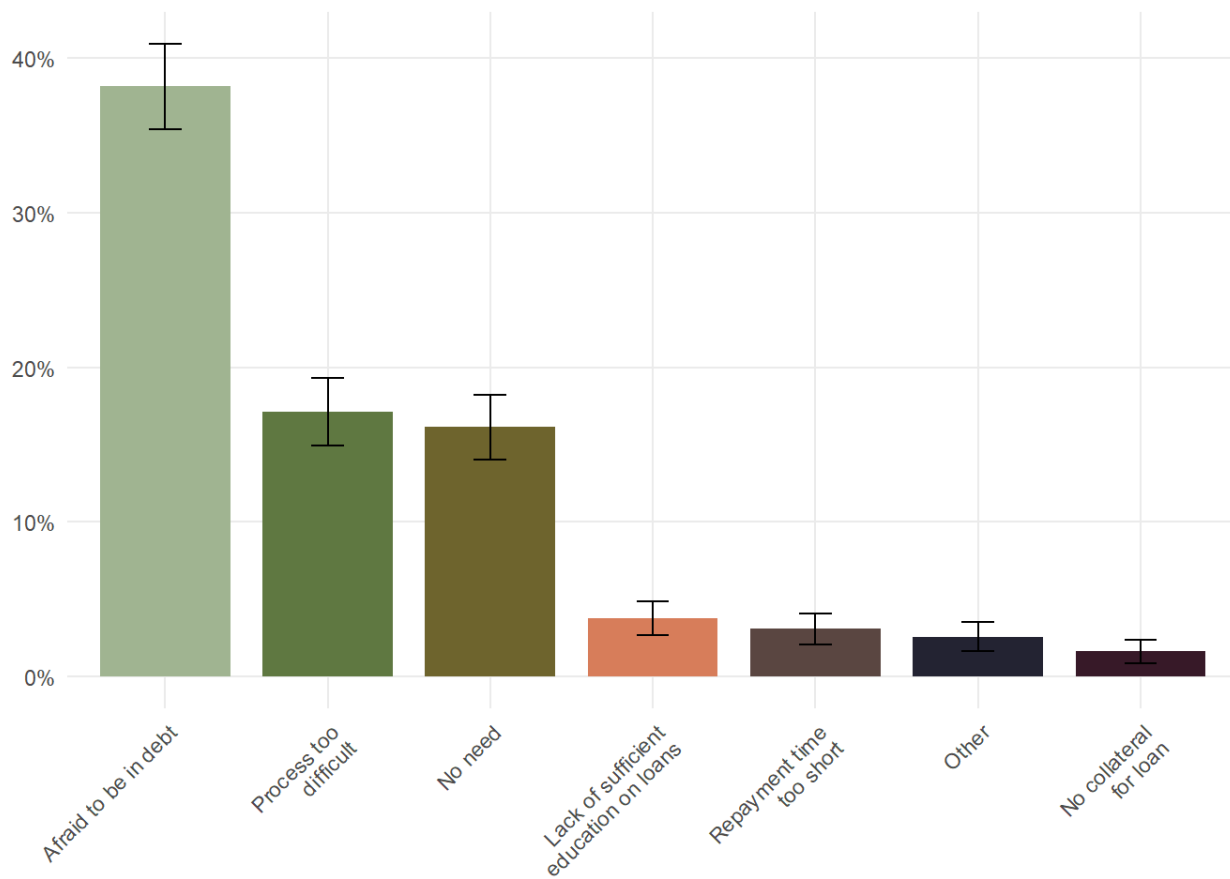


Figure 12: Reason for not having borrowed any money in the previous year







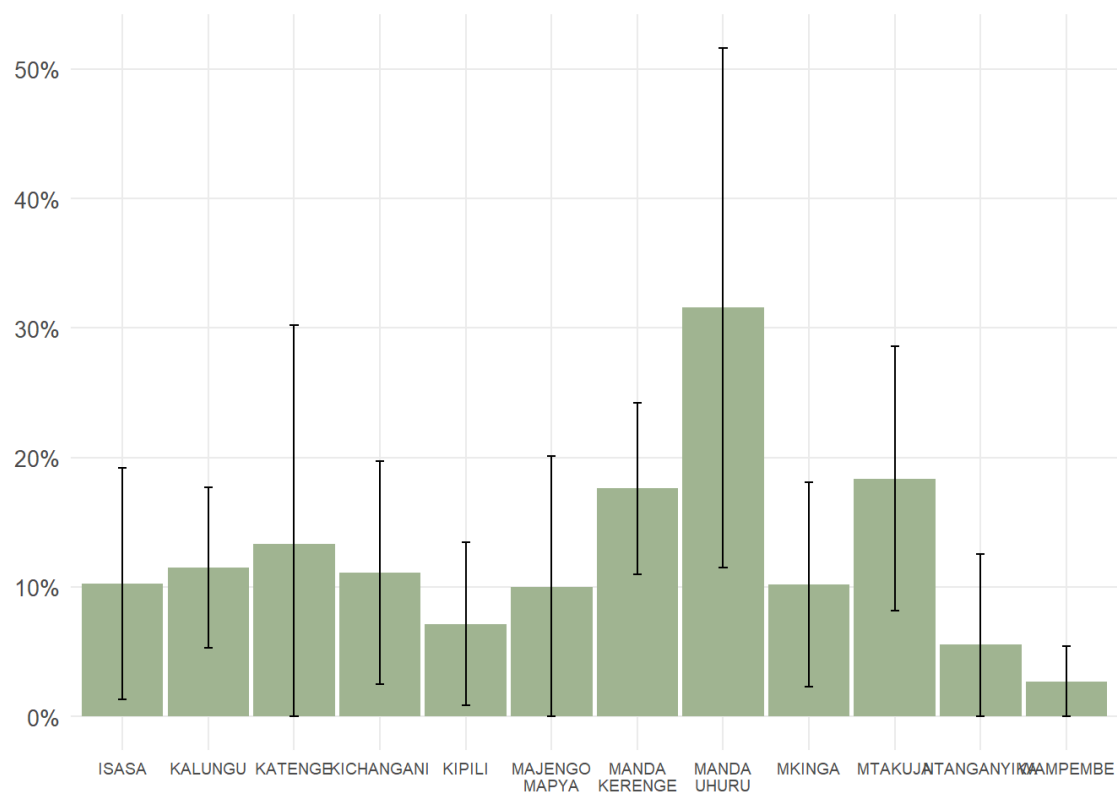


Figure 13: Household membership of a COCOBA, SACCO, or FICO at village level (%)

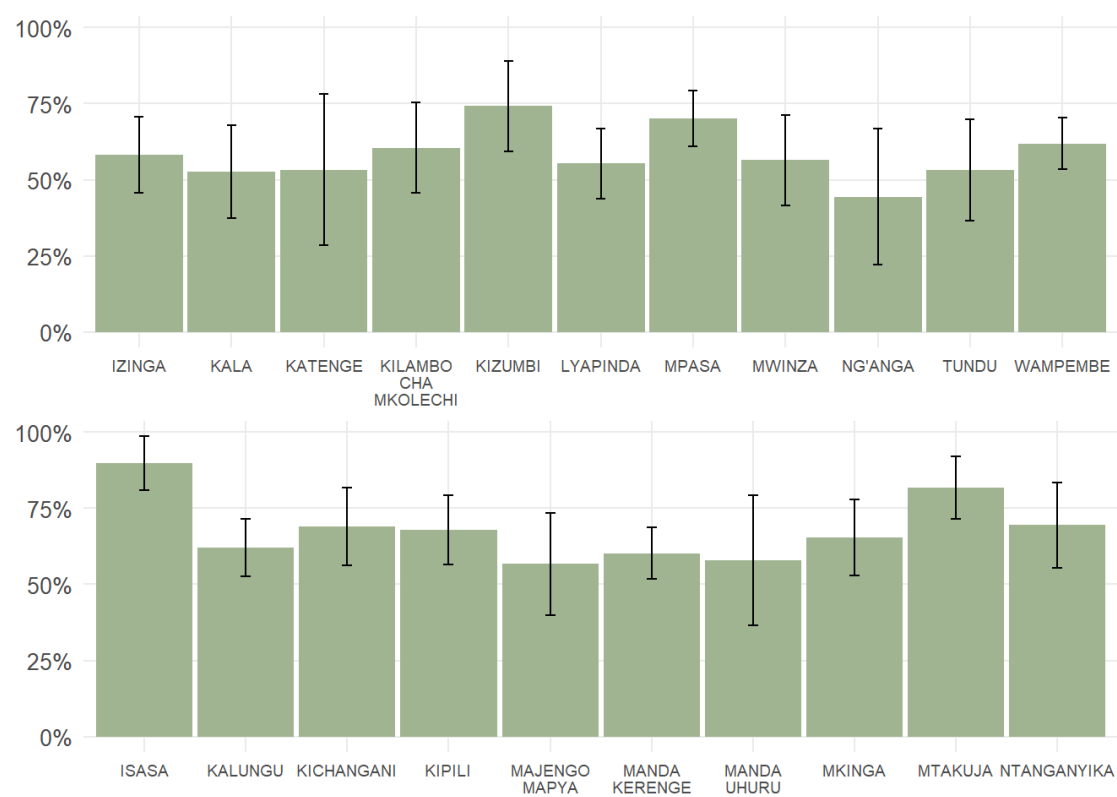


Figure 14: Mobile phone usage for financial transactions at village level (%)



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