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Attitudes of urban residents towards environmental migration in Kenya and Vietnam

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Supplementary information (SI) for: Attitudes of urban residents toward environmental migration in Kenya and Vietnam

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SI Figure 1. Marginal means – Vietnam (general). The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 2. Marginal means – Low-educated urbanites in Vietnam. The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 3. Marginal means – High-educated urbanites in Vietnam. The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 4. Marginal means – Low-income urbanites in Vietnam. The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 5. Marginal means – High-income urbanites in Vietnam. The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 6. Marginal means – Results below 30 years of age (Vietnam). The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 7. Marginal means – Results between 30 and 50 years of age (Vietnam). The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 8. Marginal means – Results above 50 years of age (Vietnam). The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 9. Marginal means – Climate-change deniers (Vietnam). The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 10. Marginal means – Climate-change believers (Vietnam). The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 11. Marginal means – Kenya (general). The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 12. Marginal means – Low-educated urbanites in Kenya. The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 13. Marginal means – High-educated urbanites in Kenya. The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 14. Marginal means – Low-income urbanites in Kenya. The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 15. Marginal means – High-income urbanites in Kenya. The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 16. Marginal means – Results below 30 years of age (Kenya). The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 17. Marginal means – Results between 30 and 50 years of age (Kenya). The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 18. Marginal means – Results above 50 years of age (Kenya). The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 19. Marginal means – Climate-change deniers (Kenya). The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 20. Marginal means – Climate-change believers (Kenya). The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 21. Marginal means – Results for Hanoi. The graph shows marginal means attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 22. Marginal means – Results for Thu Dau Mot. The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 23. Marginal means – Results for Ho Chi Minh City. The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 24. Marginal means – Results for Nairobi. The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 25. Marginal means – Results for Mombasa. The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 26. Marginal means – Results for Kisumu. The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.

To probe whether respondents with different ethnic profiles evaluate the ethnicity of hypothetical migrant profiles differently, the following four graphs provide the results for four out of the five ethnic groups presented in the conjoint analysis (Luo, Luhya, Kikuyu, Kamba.) Since we have too few respondents with Kalenjin ethnicity, we cannot, unfortunately, calculate the results for this ethnic group separately. Similarly, we cannot differentiate by ethnicity for Vietnam since our respondents predominantly come from the major ethnic group "Kinh."

Similar to our results in the main paper, these graphs also do not show substantial differences in how respondents evaluate the ethnic profile of potential migrants and overall ethnicity has a rather small effect compared to other migrant attributes. The only ethnic sub-group for which we see some minor but significant differences are the "Luo." Respondents from this ethnicity tend to evaluate potential migrants from the "Luhya" ethnicity as more favorably compared to the other ethnicities while the evaluate potential migrants from the "Kikuyo" ethnicity as less favorably.



SI Figure 27. Marginal means – Respondent belongs to Kamba Ethnicity (Kenya). The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 28. Marginal means – Respondent belongs to Kikuyu Ethnicity (Kenya). The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 29. Marginal means – Respondent belongs to Luhya Ethnicity (Kenya). The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 30. Marginal means – Respondent belongs to Luo Ethnicity (Kenya). The graph shows marginal means per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Individual attributes are listed on the left vertical axis, while attributes' clusters are listed at the bottom. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. Marginal mean of 0.5 marked with black vertical line.



SI Figure 31. Conjoint Rating Results – Vietnam. The graph shows average marginal component effects (AMCEs; dots) per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Results based on model regressing ordinally scaled rating variable (sympathy toward potential migrant on 1-7 scale with higher values standing for more sympathy) on different attribute levels. Individual attributes are listed on the left vertical axis, while attributes' clusters are listed on the right vertical axis. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. AMCE of 0 marked with dotted vertical line.



SI Figure 32. Conjoint Rating Results – Kenya. The graph shows average marginal component effects (AMCEs; dots) per attribute level (e.g., female) relative to the respective baseline category (e.g., male). Results based on model regressing ordinally scaled rating variable (sympathy toward potential migrant on 1-7 scale with higher values standing for more sympathy) on different attribute levels. Individual attributes are listed on the left vertical axis, while attributes' clusters are listed on the right vertical axis. A positive effect indicates that the respective attribute level increases the likelihood of acceptance of a migrant, while a negative effect indicates a reduced acceptance probability. Horizontal bars signify 95 percent confidence intervals. Standard errors are clustered by respondents. AMCE of 0 marked with dotted vertical line.

	Low-educated urbanites		High-educated urbanites	
Drought	Not stat. different		Not stat. different	
Storm/flood	Not sta	at. different	Not stat. different	
Economic opportunities	Not sta	at. different	Not stat. different	
Family reunification	Not sta	at. different	Not stat. different	
Persecution	Not sta	at. different	Not stat. different	
	Low-inco	me urbanites	High-income urbanites	
Drought	Not sta	at. different	Not stat. different	
Storm/flood	Not sta	at. different	Not stat. different	
Economic opportunities	Not sta	at. different	Not stat. different	
Family reunification	Not sta	at. different	Not stat. different	
Persecution	Not sta	at. different	Not stat. different	
	Hanoi	Thu Dau Mot	Ho Chi Minh City	
Drought	Not stat. diff.	Not stat. diff	Not stat. diff	
Storm/flood	Differs from Thu Dau Mot (lower marginal mean), but not Ho Chi Minh City	Differs from Hanoi (higher marginal mean) and Ho Chi Minh City (higher marginal mean)	Differs from Thu Dau Mot, but not Hanoi	
Economic opportunities	Not stat. diff	Not stat. diff	Not stat. diff	
Family reunification	Not stat. diff	Not stat. diff	Not stat. diff	
Persecution	Not stat. diff	Not stat. diff	Not stat. diff	
	<30 30-50		>50	
Drought	Not stat. diff.	Not stat. different	Not stat. different	
Storm/flood	Not stat. diff.	Not stat. different	Not stat. different	
Economic opportunities	Not stat. diff.	Not stat. different	Not stat. different	
Family reunification	Not stat. diff.	Not stat. different	Not stat. different	
Persecution	Not stat. diff.	Not stat. different	Not stat. different	
	Climate-change deniers		Climate-change believers	
Drought	Not stat. different		Not stat. different	
Storm/flood	Not stat. different		Not stat. different	
Economic opportunities	Not sta	at. different	Not stat. different	
Family reunification	Not stat. different		Not stat. different	
Persecution	Not stat. different		Not stat. different	

SI Table 1. Comparison of marginal means in Vietnamese	sample
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We assess whether the differences in sub-groups are statistically significantly different from each other or not. If statistically significant differences do exist, we also provide information on the direction of the effect difference.

	Low-educated urbanites		High-educated urbanites	
Drought	Not stat. different		Not stat. different	
Storm/flood	Differs with hi	gher marginal mean	Differs with lower marginal mean	
Economic opportunities	Not sta	at. different	Not stat. different	
Family reunification	Not sta	at. different	Not stat. different	
Persecution	Not sta	at. different	Not stat. different	
	Low-inco	me urbanites	High-income urbanites	
Drought	Not sta	at. different	Not stat. different	
Storm/flood	Not sta	at. different	Not stat. different	
Economic opportunities	Not sta	at. different	Not stat. different	
Family reunification	Not sta	at. different	Not stat. different	
Persecution	Not sta	at. different	Not stat. different	
	Nairobi Mombasa		Kisumu	
Drought	Not stat. diff.	Not stat. diff	Not stat. diff	
Storm/flood	Not stat. diff.	Not stat. diff.	Not stat. diff.	
Economic opportunities	Not stat. diff	Not stat. diff	Not stat. diff	
Family reunification	Not stat. diff	Not stat. diff	Not stat. diff	
Persecution	Not stat. diff	Not stat. diff	Not stat. diff	
	<30	30-50	>50	
Drought	Not stat. diff.	Not stat. different	Not stat. different	
Storm/flood	Not stat. diff.	Not stat. different	Not stat. different	
Economic opportunities	Not stat. diff.	Not stat. different	Not stat. different	
Family reunification	Not stat. diff.	Not stat. different	Not stat. different	
Persecution	Not stat. diff.	Not stat. different	Not stat. different	
	Climate-change deniers		Climate-change believers	
Drought	Not stat. different		Not stat. different	
Storm/flood	Not sta	at. different	Not stat. different	
Economic opportunities	Not sta	at. different	Not stat. different	
Family reunification	Not sta	at. different	Not stat. different	
Persecution	Not stat. different		Not stat. different	

SI Table 2. Comparison of marginal means in Kenyan sample

We assess whether the differences in sub-groups are statistically significantly different from each other or not. If statistically significant differences do exist, we also provide information on the direction of the effect difference.

	Ha	anoi	Na	irobi
	Our survey	GSO statistics	Our survey	Various Statistics
Age	Mean: 39	See note	Mean: 31	Modal category: 30-35
_	Min: 17		Min: 18	
	Max: 65		Max: 64	
Female	55%	51%	44%	50% ^a
Monthly	Less than 2 mil. VND 9%	Average monthly income:	Less than 10,000 KSH 32%	Average monthly income:
income	2 - 5 mil. VND: 30%	6.1 mil. VND	10,001 – 30,000 KSH 42%	30,000 KSH
	5 - 8 mil. VND: 32%		30,001 – 50,000 KSH 14%	
Education	8 – 12 IIII. VIND: 1876	Primary adua and halawy	Above 50,000 KSH 9%	A verse vers of schooling
Education	7%	14%	Average years of schooling.	(country averages): 13 years
	Lower secondary	Lower secondary educ :	Primary educ, and below:	for primary school and 17
	educ.:27%	25%	17%	vears for secondary school
	Upper secondary educ.:	Upper secondary educ.: 37%	Lower secondary educ.:	years for secondary senser
	35%	Above: 24%	11%	
	Above: 31%		Upper secondary educ.:	
			23%	
			Above: 45%	
Ethnicity	99% Kinh	99% Kinh	Kikuyu: 27%	22% Kikuyu
			Luo: 23%	
			Luhya: 15%	
			Kamba: 15%	
			Meru: 4%	
	Binh	Duong	Kis	sumu
	Our survey	GSO statistics	Our survey	Various Statistics
Age	Mean: 38	See note	Mean: 35	Modal category: 30-35
8-	Min: 18		Min: 17	
	Max 65		Max: 64	
Female	48%	51%	57%	52% ^a
Monthly	Less than 2 mil. VND 8%	Average monthly income:	Less than 10,000 KSH 45%	Average monthly income:
income	2 – 5 mil. VND: 29%	6.8 mil. VND	10,001 – 30,000 KSH 43%	20,000 KSH
	5 – 8 mil. VND: 24%		30,001 – 50,000 KSH 7%	
F1	8 – 12 mil. VND: 16%	D: 1 111	Above 50,000 KSH 3%	
Education	Primary educ. and below:	Primary educ. and below:	Average years of schooling:	Average years of schooling
	Lower secondary educ :	Jover secondary educ :	12 years Primary educ and below:	for primary school and 17
	21%	11%	30%	vears for secondary school
	21/0		Lower secondary aduat	years for secondary sensor
	Upper secondary educ.:	Upper secondary educ.:	Lower secondary educ.	
	Upper secondary educ.: 30%	Upper secondary educ.: 21%	15%	
	Upper secondary educ.: 30% Above: 25%	Upper secondary educ.: 21% Above: 10%	15% Upper secondary educ: 27%	
	Upper secondary educ.: 30% Above: 25%	Upper secondary educ.: 21% Above: 10%	15% Upper secondary educ: 27% Above: 28%	
Ethnicity	Upper secondary educ.: 30% Above: 25% 99% Kinh	Upper secondary educ.: 21% Above: 10% 98% Kinh	15% Upper secondary educ: 27% Above: 28% Luo: 88%	90% Luo

SI Table 3. Comparison of socio-demographic variables

	Ho Chi Minh City		Mombasa	
	Our survey	GSO statistics	Our survey	Various Statistics
Age	Mean: 38	See note	Mean: 31	Modal category: 30-35
	Min: 17		Min: 18	
	Max: 65		Max: 64	
Female	54%	52%	51%	50% ^a
Monthly	Less than 2 mil. VND 9%	Average monthly income:	Less than 10,000 KSH 40%	Average monthly income:
income	2 – 5 mil. VND: 27%	6.2 mil. VND	10,001 – 30,000 KSH 42%	30,000 KSH
	5 – 8 mil. VND: 30%		30,001 – 50,000 KSH 9%	
	8 – 12 mil. VND: 24%		Above 50,000 KSH 3%	
Education	Primary educ. and below:	Primary educ. and below:	Average years of schooling:	Average years of schooling
	23%	30%	11 years	(country averages): 13 years
	Lower secondary educ.:	Lower secondary educ.:	Primary educ and below:	for primary school and 17
	21%	15%	24%	years for secondary school
	Upper secondary educ.:	Upper secondary educ.:	Lower secondary educ: 7%	
	24%	37%	Upper secondary educ: 30%	
	Above: 31%	Above: 19%	Above: 38%	
Ethnicity	97% Kinh	93% Kinh	Mijikenda: 36%	35% Mijikenda
			Kamba: 18%	
			Luhya: 9%	
			Luo: 8%	
			Kikuyu: 7%	
			Meru: 4%	
			Arabs: 4%	

We compare the average distribution of key socio-demographic variables with data by national statistics agencies. For the distribution of age, we were unable to find comparable breakdowns by city/province. According to a report by the Ministry of Planning and Investment based on the 2009 Vietnam Population and Housing Census (GSO 2011), it is reported that the largest age group in HCMC and Binh Duong is the age group in 20-24. For the region of the Red River Delta, where Hanoi is located, the report indicates an even younger population. There, individuals between 15 and 19 comprise the largest age group. Instead of asking respondents to submit the absolute amount of their average monthly income, we asked respondents to indicate their average monthly income using a 1-8 scale ranging from: 1=Less than 2 million VND, 2=2-5 million VND, 3=5-8 million VND, 4=8-12 million VND, 5=12-20 million VND, 6=20-30 million VND, 7=30-50 million VND, to 8=More than 50 million VND. The comparison data for education are taken from the UNDP's Viet Nam Provincial Governance and Public Administration Performance Index (PAPI) survey¹. The PAPI survey is annual, nationally representative survey based on face-to-face interviews with randomly selected respondents from all of the 63 provinces of Vietnam. The 2018 PAPI surveyed 14,304 respondents. Respondents' highest level of education is measured using a 1-10 scale in the PAPI survey. In our survey, we use a 1-6 scale to capture respondents' highest level of educational attainment. We recoded the PAPI scale by collapsing some categories to generate a 1-6 scale. The comparison data for ethnicity are taken from the UNDP's Viet Nam Provincial Governance and Public Administration Performance Index (PAPI) survey¹.

Data on sex, age and education, income, and ethnicity in the 3 cities in Kenya were compiled from different sources e.g., the 2019 Kenya Population and Housing Census Volume I: Population by County and Sub-County (https://www.knbs.or.ke/?p=5621) and the Kenya National Bureau of Statistics: 2015/16 Kenya Integrated Household Budget Survey (KIHBS) (https://sun-connect-news.org/fileadmin/DATEIEN/Dateien/New/KNBS_-_Basic_Report.pdf), as well as from various city official documents, e.g., the Kisumu Country Gender Data Sheet 2019 (https://sdgkenyaforum.org/content/uploads/documents/4c1a71440ec27b99.pdf); https://kenya.hurumap.org/profiles/county-1-mombasa/), and information provided by the survey company. Concerning education, we were only able to obtain the data for average years of schooling for Kenya at the national level.

Supplementary Tab	e 4. Response rates	across survey sites
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City	Response rate	City	Response rate
Ho Chi Minh City	74%	Nairobi	75%
Binh Duong	85%	Kisumu	93%
Hanoi	77%	Mombasa	83%



SI Figure 33. Map of survey sites.

References

1 CECODES, V.-C., RTA and UNDP. The 2018 Viet Nam Governance and Public Administration Performance Index (PAPI): Measuring Citizens' Experiences. A Joint Policy Research Paper by the Centre for Community Support and Development Studies (CECODES), Centre for Research and Training of the Viet Nam Fatherland Front (VFF-CRT), Real-Time Analytics, and United Nations Development Programme (UNDP). (2019).