Internet and Nation Building in Africa

Preliminary and incomplete

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Table 1: Effect of distance from the capital on political trust

	01	_					
OLS							
Political trust							
Base s	ample	Border s	sample				
(1)	(2)	(3)	(4)				
0.284***	0.270***	0.681***	0.397*				
(0.04)	(0.03)	(0.16)	(0.21)				
Yes	Yes	Yes	Yes				
Yes	No	Yes	No				
Yes	No	Yes	No				
No	Yes	No	Yes				
No	No	Yes	Yes				
98,235	98,235	4,189	4,189				
0.158	0.197	0.159	0.189				
	(1) 0.284*** (0.04) Yes Yes Yes No No 98,235	Base sample (1) (2) 0.284*** 0.270*** (0.04) (0.03) Yes Yes Yes No Yes No No Yes No No No 98,235 98,235	Base sample Border s (1) (2) (3) 0.284*** 0.270*** 0.681*** (0.04) (0.03) (0.16) Yes Yes Yes Yes No Yes Yes No Yes No Yes No No Yes No 98,235 98,235 4,189				

Notes: The border sample includes individuals residing within a 20-kilometer buffer around a country border that overlaps with a historical ethnic homeland, as defined by Murdock (1959). Robust standard errors clustered at the region x round level for the base sample and ethnic homeland x region x round level for the border sample are in parentheses. The set of individual controls includes values of: normalized distance from the largest non-capital city, age, age squared, sex, education, employment status, rural/urban situation, personal economic conditions perception, ethnic discrimination, interest in politics, TV news consumption, radio news consumption, newspaper news consumption. The set of regional controls includes values of: nighttime light, population density, region area, president birthplace dummy. The set of country controls includes: log(GDP.p.c.), log(area), V-Dem Polyarchy index, World Bank corruption index, political regime type, colonial origin. *** / ** represent significance at the 0.01 / 0.05 / 0.10 levels, respectively.

Table 2: Effect of internet coverage on political trust by distance

				Base sample		
	OLS		Firs	t Stage	2SLS	
	Political trust	Internet coverage		Distance × Internet coverage	Political trust	
	(1)	(2)		(3)	(4)	
Distance from the capital	0.463*** (0.05)				1.361*** (0.49)	
Internet coverage	0.029 (0.06)				1.470** (0.64)	
Distance from the capital $ imes$ Internet coverage	-0.480*** (0.10)				-2.29 5** (1.09)	
Lightning strikes		-0.002*** (0.00)		-0.000 (0.00)		
Distance from the capital city $ imes$ Lightning strikes		0.000 (0.00)		-0.001** (0.00)		
SW F - Lightning strikes	-	-	19.66	÷	-	
SW F - Distance $ imes$ Lightning strikes	-	-	11.13	-	-	
Individual & regional controls	Yes	Yes		Yes	Yes	
Country X Round FE	Yes	Yes	-	Yes	Yes	
Observations	98,235	99,414		99,414	98,235	
Adjusted-R ²	0.198	-	_	=		

Notes: Notes: Robust standard errors clustered at the region x round level. The set of individual controls includes values of: normalized distance from the largest non-capital city, age, age squared, sex, education, employment status, rural/urban situation, personal economic conditions perception, ethnic discrimination, interest in politics, TV news consumption, newspaper news consumption. The set of regional controls includes values of: nighttime light, population density, region area, president birthplace dummy. *** / ** / * represent significance at the 0.01 / 0.05 / 0.10 levels, respectively.

Table 3: Other outcomes

	:	2SLS
	Vote against ruling party	Country performance
	Base sample	Base sample
	(1)	(2)
Distance from the capital	-1.306***	1.560***
·	(0.40)	(0.52)
Internet coverage	-1.370***	1.565**
	(0.47)	(0.62)
Distance from the capital $ imes$ Internet coverage	2.614***	-3.065***
	(0.92)	(1.16)
Individual & regional controls	Yes	Yes
Country X Round FE	Yes	Yes
Observations	99,414	98,512

Notes: Robust standard errors clustered at the region x round level are in parentheses. The set of individual controls includes values of: normalized distance from the largest non-capital city, age, age squared, sex, education, employment status, rural/urban situation, personal economic conditions perception, ethnic discrimination, interest in politics, TV news consumption, newspaper news consumption, radio consumption. The set of regional controls includes values of: nighttime light, population density, region area, president birthplace dummy. *** / ** / * represent significance at the 0.01 / 0.05 / 0.10 levels, respectively.

Table 4: Media and institutions freedom

		2SLS: Po	litical trust	:		
	Base sample					
	M	edia	Inst	itutions		
	Free	Captured	Free	Captured		
	(1)	(2)	(3)	(4)		
Distance from the capital	-4.922 (11.77)	1.133*** (0.41)	0.078 (0.83)	2.151*** (0.77)		
Internet coverage	-3.475 (10.01)	1.220* (0.68)	0.112 (1.37)	2.964*** (1.06)		
Distance from the capital \times Internet coverage	9.210 (21.19)	-2.160* (1.22)	0.391 (1.59)	-4.202** (1.90)		
Individual & regional controls	Yes	Yes	Yes	Yes		
Country X Round FE	Yes	Yes	Yes	Yes		
Observations	48,174	50,061	45,238	52,997		

Notes: Robust standard errors clustered at the region x round level are in parentheses. The set of individual controls includes values of: normalized distance from the largest non-capital city, age, age squared, sex, education, employment status, rural/urban situation, personal economic conditions perception, ethnic discrimination, interest in politics, TV news consumption, newspaper news consumption, radio consumption. The set of regional controls includes values of: nighttime light, population density, region area, president birthplace dummy. *** / ** represent significance at the 0.01 / 0.05 / 0.10 levels, respectively.

Table 5: Individual heterogeneity

	2SLS: Political trust Base sample										
	Educ	cation	Urbar	1/Rural			Age				
	< Secondary	< Secondary	≥ Secondary	Urban	Rural	18-25	26-35	36-44	45+		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)			
Distance from the capital	1.208*** (0.31)	1.394 (1.17)	1.133** (0.52)	1.961***	1.295** (0.57)	0.965	1.438**	1.723*** (0.59)			
Internet coverage	1.706* (0.92)	1.271 (1.32)	0.397	3.374*** (1.18)	1.439* (0.74)	0.982	1.236* (0.72)	2.540*** (0.87)			
Distance from the capital \times Internet coverage	-1.909** (0.83)	-2.422 (2.41)	-1.785* (0.98)	-3.447* (1.81)	-1.994 (1.24)	-1.477 (1.38)	-2.577** (1.28)	-3.103** (1.39)			
Individual & regional controls	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
Country X Round FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
Observations	36,389	62, 039	37,348	60,887	25,442	29, 913	20,074	23,246			

Notes: Robust standard errors clustered at the region x round level are in parentheses. The set of individual controls includes values of: normalized distance from the largest non-capital city, age, age squared, sex, education, employment status, rural/urban situation, personal economic conditions perception, ethnic discrimination, interest in politics, TV news consumption, newspaper news consumption, radio consumption. The set of regional controls includes values of: nighttime light, population density, region area, president birthplace dummy. Education, rural/urban, and age controls are omitted from columns (1-2), (3-4), and (5-8), respectively.*** / ** / * represent significance at the 0.01 / 0.05 / 0.10 levels, respectively.

Table 6: Generalized trust

	2SLS				
	Base sample: rounds 5 & 8				
	Political trust	Generalized trust			
	(1)	(2)			
Distance from the capital	1.358** (0.62)	-0.157 (0.17)			
Internet coverage	1.508 (0.94)	-0.101 (0.23)			
Distance from the capital \times Internet coverage	-2.161* (1.22)	0.542 (0.33)			
Individual & regional controls	Yes	Yes			
Country X Round FE	Yes	Yes			
Observations	49,404	49,362			

Notes: Robust standard errors clustered at the region x round level are in parentheses. The set of individual controls includes values of: normalized distance from the largest non-capital city, age, age squared, sex, education, employment status, rural/urban situation, personal economic conditions perception, ethnic discrimination, interest in politics, TV news consumption, newspaper news consumption, radio consumption. The set of regional controls includes values of: nighttime light, population density, region area, president birthplace dummy. *** / ** / * represent significance at the 0.01 / 0.05 / 0.10 levels, respectively.

Table 7: Effect of distance from the capital on institutional trust (President, Parliament, Electoral commission)

	Trust	Trust in institutions (President, Parliament, Electoral con							
			OLS			2SLS			
	Base s	sample	Border s	ample	Base sample	Base sample			
	(1)	(2)	(3)	(4)	(5)	(6)			
Distance from the capital	0.295*** (0.04)	0.301*** (0.03)	0.563*** (0.16)	0.306 (0.20)	0.483*** (0.05)	1 738*** (0 58)			
Internet coverage					0.016 (0.06)	2.035*** (0.71)			
Distance from the capital $ imes$ Internet coverage					-0.458*** (0.10)	-2 992** (1 32)			
Individual & regional controls	Yes	Yes	Yes	Yes	Yes	Yes			
Country controls	Yes	No	Yes	No	No	No			
Round FE	Yes	No	Yes	No	No	No			
Country X Round FE	No	Yes	No	Yes	Yes	Yes			
Ethnic homeland FE	No	No	Yes	Yes	No	No			
Observations	98,499	98,499	4,202	4,202	98,499	98,499			
$Adjusted ext{-}R^2$	0.164	0.198	0.148	0.184	0.200	-			

Notes: The border sample includes individuals residing within a 20-kilometer buffer around a country border that overlaps with a historical ethnic homeland, as defined by Murdock (1959). Robust standard errors clustered at the region x round level for the base sample and ethnic homeland x region x round level for the border sample are in parentheses. The set of individual controls includes values of: normalized distance from the largest non-capital city, age, age squared, sex, education, employment status, rural/urban situation, personal economic conditions perception, ethnic discrimination, interest in politics, TV news consumption, radio news consumption, newspaper news consumption. The set of regional controls includes values of: nighttime light, population density, region area, president birthplace dummy. The set of country controls includes: log(GDP.p.c.), log(area), V-Dem Polyarchy index, World Bank corruption index, political regime type, colonial origin. *** / ** represent significance at the 0.01 / 0.05 / 0.10 levels, respectively.

Table 8: Effect of distance from the capital on trust in president

		Trust in president							
			OLS			2SLS			
	Base s	sample	Border s	ample	Base sample	Base sample			
	(1)	(2)	(3)	(4)	(5)	(6)			
Distance from the capital	0.287*** (0.05)	0.262*** (0.03)	0 799*** (0 19)	0.343 (0.25)	0.473*** (0.06)	1.517** (0.63)			
Internet coverage					0.047 (0.07)	1.659** (0.81)			
Distance from the capital $ imes$ Internet coverage					-0.521*** (0.12)	-2.654* (1.41)			
Individual & regional controls	Yes	Yes	Yes	Yes	Yes	Yes			
Country controls	Yes	No	Yes	No	No	No			
Round FE	Yes	No	Yes	No	No	No			
Country X Round FE	No	Yes	No	Yes	Yes	Yes			
Ethnic homeland FE	No	No	Yes	Yes	No	No			
Observations	97,261	97,261	4,149	4,149	97,261	97,261			
Adjusted-R 2	0.137	0.180	0.180	0.215	0.182	-			

Notes: The border sample includes individuals residing within a 20-kilometer buffer around a country border that overlaps with a historical ethnic homeland, as defined by Murdock (1959). Robust standard errors clustered at the region x round level for the base sample and ethnic homeland x region x round level for the border sample are in parentheses. The set of individual controls includes values of: normalized distance from the largest non-capital city, age, age squared, sex, education, employment status, rural/urban situation, personal economic conditions perception, ethnic discrimination, interest in politics, TV news consumption, radio news consumption, newspaper news consumption. The set of regional controls includes values of: nighttime light, population density, region area, president birthplace dummy. The set of country controls includes: log(GDP.p.c.), log(area), V-Dem Polyarchy index, World Bank corruption index, political regime type, colonial origin. *** / ** represent significance at the 0.01 / 0.05 / 0.10 levels, respectively.

Table 9: Effect of distance from the capital on trust in parliament

			Trust	n parliamen	t	
			OLS			2SLS
	Base :	sample	Border	sample	Base sample	Base sample
	(1)	(2)	(3)	(4)	(5)	(6)
Distance from the capital	0.282*** (0.04)	0.279*** (0.03)	0.560*** (0.17)	0.471** (0.21)	0.453*** (0.05)	1.124*** (0.39)
Internet coverage					0.007 (0.06)	1.169** (0.52)
Distance from the capital \times Internet coverage					-0.442*** (0.10)	-1.776** (0.89)
Individual & regional controls	Yes	Yes	Yes	Yes	Yes	Yes
Country controls	Yes	No	Yes	No	No	No
Round FE	Yes	No	Yes	No	No	No
Country X Round FE	No	Yes	No	Yes	Yes	Yes
Ethnic homeland FE	No	No	Yes	Yes	No	No
Observations	96,182	96,182	4,111	4,111	96,182	96,182
${\sf Adjusted}\text{-}{\sf R}^2$	0.130	0.160	0.102	0.127	0.161	-

Notes: The border sample includes individuals residing within a 20-kilometer buffer around a country border that overlaps with a historical ethnic homeland, as defined by Murdock (1959). Robust standard errors clustered at the region x round level for the base sample and ethnic homeland x region x round level for the border sample are in parentheses. The set of individual controls includes values of: normalized distance from the largest non-capital city, age, age squared, sex, education, employment status, rural/urban situation, personal economic conditions perception, ethnic discrimination, interest in politics, TV news consumption, radio news consumption, newspaper news consumption. The set of regional controls includes values of: nighttime light, population density, region area, president birthplace dummy. The set of country controls includes: log(GDP.p.c.), log(area), V-Dem Polyarchy index, World Bank corruption index, political regime type, colonial origin. *** / ** / * represent significance at the 0.01 / 0.05 / 0.10 levels, respectively.

Table 10: Effect of distance from the capital on trust in electoral commission

		Trust in electoral commission							
			OLS			2SLS			
	Base	sample	Border sample		Base sample	Base sample			
	(1)	(2)	(3)	(4)	(5)	(6)			
Distance from the capital	0.319*** (0.04)	0.365*** (0.03)	0.366* (0.19)	0.206 (0.23)	0.529*** (0.06)	2.588*** (0.84)			
Internet coverage					0.003 (0.07)	3 252*** (0 95)			
Distance from the capital $ imes$ Internet coverage					-0.418*** (0.11)	-4.606** (1.93)			
Individual & regional controls	Yes	Yes	Yes	Yes	Yes	Yes			
Country controls	Yes	No	Yes	No	No	No			
Round FE	Yes	No	Yes	No	No	No			
Country X Round FE	No	Yes	No	Yes	Yes	Yes			
Ethnic homeland FE	No	No	Yes	Yes	No	No			
Observations	94,926	94,926	4,035	4,035	94,926	94,926			
${\sf Adjusted-R}^2$	0.118	0.144	0.094	0.137	0.145	-			

Notes: The border sample includes individuals residing within a 20-kilometer buffer around a country border that overlaps with a historical ethnic homeland, as defined by Murdock (1959). Robust standard errors clustered at the region x round level for the base sample and ethnic homeland x region x round level for the border sample are in parentheses. The set of individual controls includes values of: normalized distance from the largest non-capital city, age, age squared, sex, education, employment status, rural/urban situation, personal economic conditions perception, ethnic discrimination, interest in politics, TV news consumption, radio news consumption, newspaper news consumption. The set of regional controls includes values of: nighttime light, population density, region area, president birthplace dummy. The set of country controls includes: log(GDP.p.c.), log(area), V-Dem Polyarchy index, World Bank corruption index, political regime type, colonial origin. *** / ** represent significance at the 0.01 / 0.05 / 0.10 levels, respectively.

Table 11: Effect of distance from the capital on political trust

				OLS				
		Vote against	ruling party			Country pe	rformance	
	Base	sample	Border	sample	Base :	sample	Border sample	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Distance from the capital	-0.164*** (0.02)	-0.101*** (0.02)	-0.462*** (0.09)	-0.334*** (0.09)	0.183*** (0.04)	0.153*** (0.03)	0.272* (0.16)	-0.034 (0.20)
Individual & regional controls	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Country controls	Yes	No	Yes	No	Yes	Νo	Yes	Nο
Round FE	Yes	No	Yes	No	Yes	No	Yes	Nο
Country X Round FE	Νo	Yes	No	Yes	No	Yes	No	Yes
Ethnic homeland FE	Νo	No	Yes	Yes	No	Νo	Yes	Yes
Observations	99,414	99,414	4,247	4,247	98,512	98,512	4,203	4,203
Adjust ed-R ²	0.082	0.147	0.167	0.249	0.140	0.161	0.166	0.184

Notes: The border sample includes individuals residing within a 20-kilometer buffer around a country border that overlaps with a historical ethnic homeland, as defined by Murdock (1959). Robust standard errors clustered at the region x round level for the base sample and ethnic homeland x region x round level for the border sample are in parentheses. The set of individual controls includes values of: normalized distance from the largest non-capital city, age, age squared, sex, education, employment status, rural/urban situation, personal economic conditions perception, ethnic discrimination, interest in politics, TV news consumption, radio news consumption, newspaper news consumption. The set of regional controls includes values of: nighttime light, population density, region area, president birthplace dummy. The set of country controls includes: log(GDP.p.c.), log(area), V-Dem Polyarchy index, World Bank corruption index, political regime type, colonial origin. *** / ** / * represent significance at the 0.01 / 0.05 / 0.10 levels, respectively.

Table 12: BDD IV: Effect of internet coverage on political trust by distance

			Borde	er sample	
	OLS		Firs	t Stage	2SLS
	Political trust	Internet coverage		Distance × Internet coverage	Political trust
	(1)	(2)		(3)	(4)
Distance from the capital	0.640**				1.214***
	(0.26)				(0.42)
nternet coverage	0.620**				0.809
	(0.30)				(1.02)
Distance from the capital $ imes$ Internet coverage	-0.535				-2.559**
	(0.46)				(1.18)
_ightning strikes		0.002		0.003***	
		(0.00)		(0.00)	
Distance from the capital city $ imes$ Lightning strikes		0.000		-0.003***	
		(0.00)		(0.00)	
SW F - Lightning strikes	- -	-	12.45	-	_
SW F - Distance $ imes$ Lightning strikes	-	=	16.25	-	-
ndividual & regional controls	Yes	Yes		Yes	Yes
Country X Round FE	Yes	Yes	-	Yes	Yes
Ethnic homeland FE	Yes	Yes	-	Yes	Yes
Dbservations	4,189	4,247		4,247	4,189
$Adjusted ext{-}R^2$	0.190	-	=	-	

Notes: Notes: Robust standard errors clustered at the region x round level. The set of individual controls includes values of: normalized distance from the largest non-capital city, age, age squared, sex, education, employment status, rural/urban situation, personal economic conditions perception, ethnic discrimination, interest in politics, TV news consumption, newspaper news consumption, radio consumption. The set of regional controls includes values of: nighttime light, population density, region area, president birthplace dummy. *** / * represent significance at the 0.01 / 0.05 / 0.10 levels, respectively.