

Appendix for
THE EVOLUTION OF CULTURE AND INSTITUTIONS: EVIDENCE
FROM THE KUBA KINGDOM

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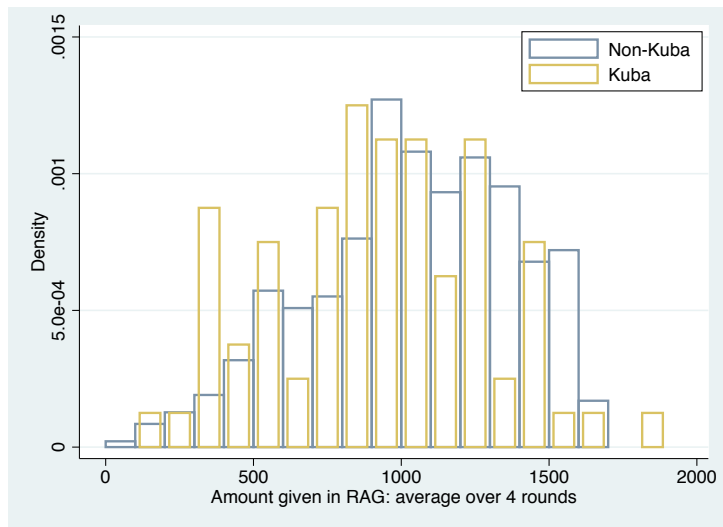
University of Chicago, NBER, BREAD

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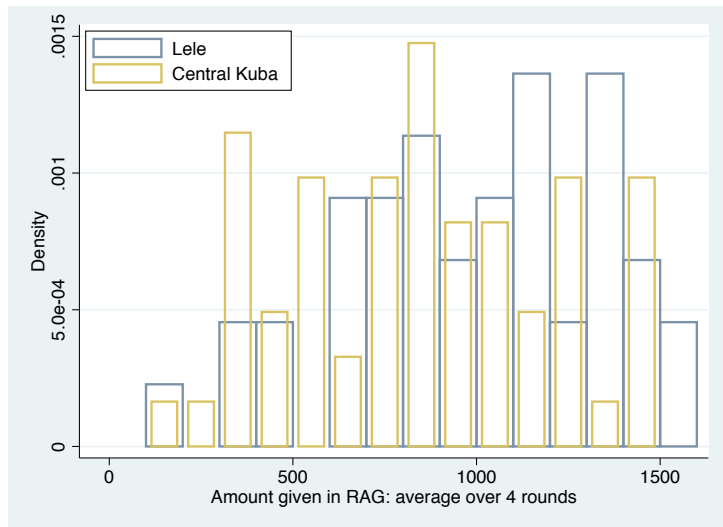
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(APPENDIX FIGURES AND TABLES: NOT FOR PUBLICATION)

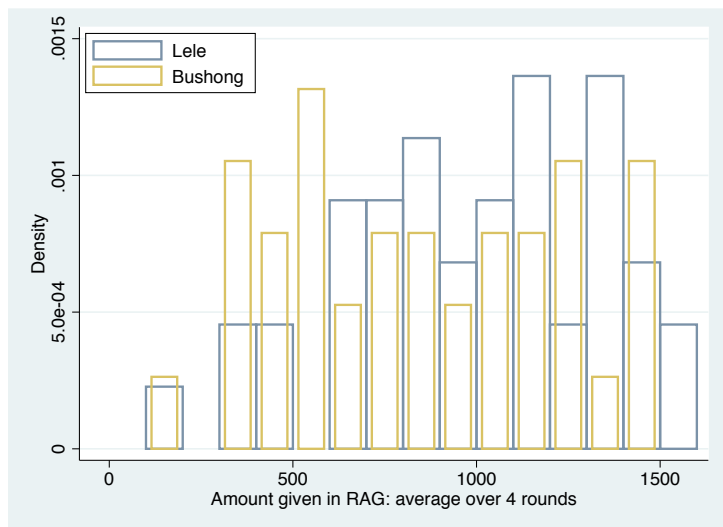
20 February 2017



(a) Full sample



(b) Central Kuba and Lele



(c) Bushong and Lele

Figure A1: Distributions of the average allocation to the other parties in the RAG

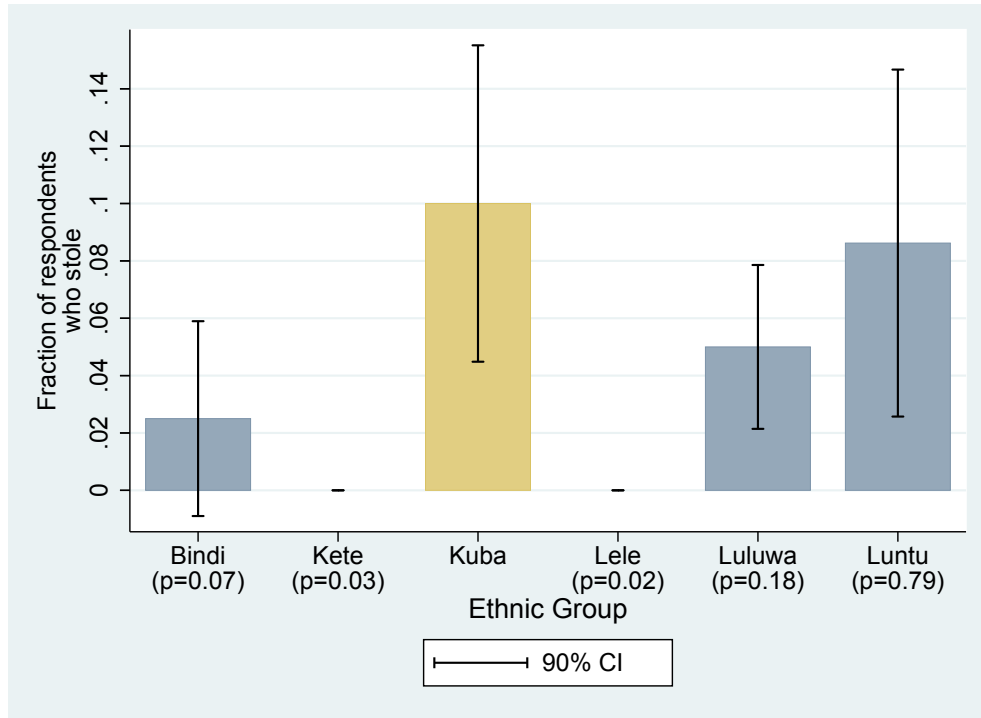


Figure A2: Fraction of respondents that stole (at least once) in the UG, by ethnicity. The reported p -values are for tests of the equality of means with the Kuba.

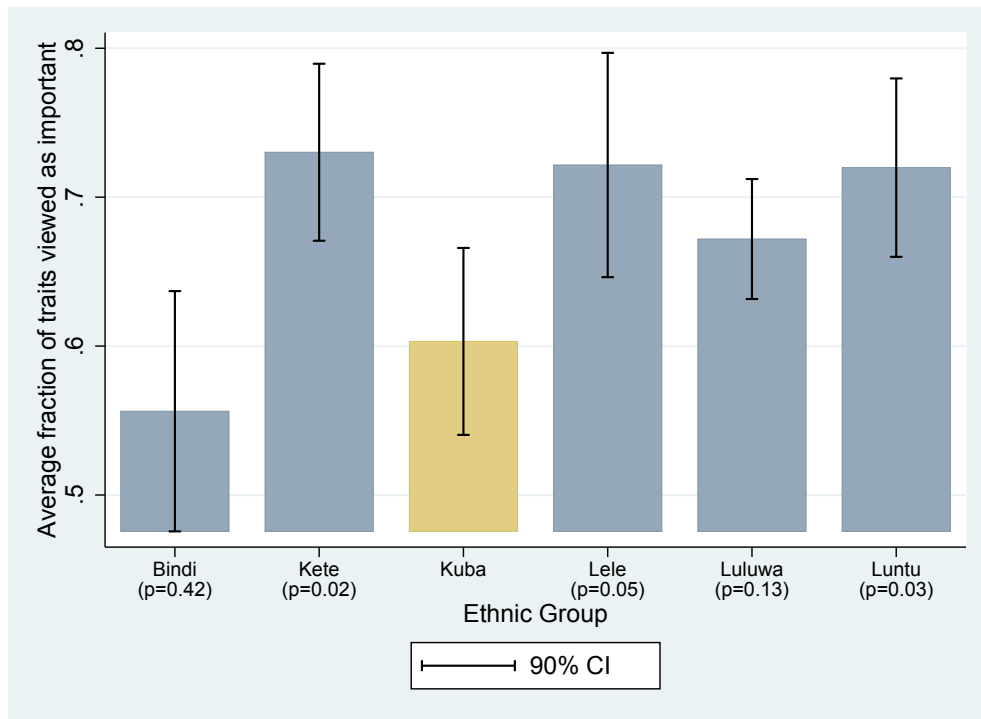


Figure A3: Fraction of rule-following-related traits individuals view as being important to teach children, by ethnicity. The reported p -values are for tests of the equality of means with the Kuba.

Table A1: Baseline estimates, by game.

	Average amount allocated to other party (of 3000 CF) in the RAG:				
	Citizen of Kananga	Coethnic in Kananga	Non-coethnic in Kananga	Provincial Government	Average
	(1)	(2)	(3)	(4)	(5)
Panel A. Full sample					
Kuba ethnicity indicator	-35.56 (48.73)	-110.77** (50.57)	-101.95** (49.53)	-105.59** (52.81)	-88.47** (41.39)
Mean of dep var	1,003.21	1,028.06	988.18	987.58	1,001.75
Observations	499	499	499	499	499
R squared	0.07	0.02	0.06	0.09	0.08
Panel B. Central Kuba & Lele					
Kuba ethnicity indicator	-151.20* (80.23)	-158.32* (92.01)	-113.11 (80.56)	-238.86*** (85.54)	-165.37** (70.92)
Mean of dep var	902.86	933.33	878.10	866.67	895.24
Observations	105	105	105	105	105
R squared	0.13	0.08	0.15	0.19	0.15
Panel C. Bushong & Lele					
Kuba ethnicity indicator	-189.16** (90.06)	-198.42* (102.89)	-168.71* (91.35)	-283.36*** (97.60)	-209.91** (81.33)
Mean of dep var	915.85	958.54	890.24	885.37	912.50
Observations	82	82	82	82	82
R-squared	0.14	0.10	0.18	0.19	0.17

Notes: The table reports OLS estimates of equation (1). Columns 1-4 report estimates where the dependent variable is the amount allocated to player two in a round of the RAG. The identity of player 2 in that round is reported in the column heading. Column 5 reports estimates with the average amount given in the four rounds as the dependent variable. "Kuba ethnicity indicator" is a variable that equals one if the individual's self reported tribe is Kuba. All regressions control for a gender indicator, age, age squared, and a survey year fixed effect. Coefficients are reported with robust standard errors in parentheses. *, **, and *** indicate significance at the 10, 5, and 1% levels.

Table A2: Baseline quantile regression estimates.

	Average amount allocated to other party (of 3000 CF) in the RAG:		
	Kuba vs. all others	Central Kuba vs. Lele	Bushong vs. Lele
	(1)	(2)	(3)
Kuba ethnicity indicator:			
Quantile 20	-87.93 (58.76)	-99.28 (166.31)	-320.41* (164.78)
Quantile 30	-121.87** (57.75)	-177.38 (158.23)	-289.92** (138.32)
Quantile 40	-91.15 (67.43)	-208.75 (135.01)	-271.00** (132.31)
Quantile 50	-121.79* (62.81)	-253.15** (116.66)	-296.24** (123.13)
Quantile 60	-107.53* (57.05)	-226.35** (100.39)	-349.25*** (116.42)
Quantile 70	-129.63*** (50.12)	-259.15*** (97.46)	-252.37** (111.23)
Quantile 80	-121.77* (72.73)	-143.28 (88.27)	-104.49 (113.40)
Baseline covariates	Yes	Yes	Yes
F-test equality of coefficients (<i>p</i> -value)	0.94	0.54	0.41
Observations	499	105	82

Notes: The table reports quantile estimates of equation (1). "Kuba ethnicity indicator" is a variable that equals one if the individual's self reported tribe is Kuba. All regressions control for a gender indicator, age, age squared, and a survey year fixed effect. The reported F-test is for the equality of the quantile coefficients for the Kuba indicator. Coefficients are reported, with bootstrap standard errors in parentheses. *, **, and *** indicate significance at the 10, 5, and 1% levels.

Table A3: Baseline estimates, allowing for heterogeneous treatments by subtribe, full sample.

	Average amount allocated to other party (of 3000 CF) in the RAG:			Amount of money missing in UG		
	(1)	(2)	(3)	(4)	(5)	(6)
	<i>Core Groups in Kingdom:</i>					
Central Kuba	-153.46*** (46.11)			76.21*** (28.45)		
Bushong Kuba		-154.73*** (57.36)	-154.7*** (57.03)		93.85*** (35.13)	93.85*** (35.15)
Central Kuba (Non-Bushong)			-151.4** (71.60)			47.36 (44.14)
<i>Non-Core Groups in Kingdom:</i>						
Peripheral Kuba	117.20 (78.20)		117.2 (78.28)	1.337 (48.24)		1.547 (48.25)
Non-Bushong Kuba		-29.61 (54.37)			26.59 (33.30)	
Baseline covariates	Yes	Yes	Yes	Yes	Yes	
Mean dep var	1,001.75	1,001.75	1,001.75	35.07	35.07	35.07
F-test (<i>p</i> -value)	0.00	0.06	0.01	0.35	0.41	0.6
Observations	499	499	499	499	499	499
R-squared	0.10	0.08	0.10	0.03	0.03	0.03

Notes: The table reports OLS estimates of equation (1), but with the "Kuba Ethnicity Indicator" disaggregated into indicators for different groups within the Kuba Kingdom. The reported *F*-tests are for the equality of the coefficients, e.g., Central Kuba vs. Peripheral Kuba, Bushong Kuba vs. Non-Bushong Kuba, etc. All regressions control for a gender indicator, age, age squared, and a survey year fixed effect. Coefficients are reported with robust standard errors in parentheses. *, **, and *** indicate significance at the 10, 5, and 1% levels.

Table A4: Baseline estimates, allowing for heterogeneous treatments by subtribe, Kuba and Lele respondents only.

	Average amount allocated to other party (of 3000 CF) in the RAG:				Amount of money missing in UG			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Kuba ethnicity indicator	-101.77 (67.79)				123.11** (52.43)			
<i>Core Groups in Kingdom:</i>								
Central Kuba		-156.19** (68.20)				136.89** (54.48)		
Bushong Kuba			-174.18** (77.29)	-169.18** (75.99)			148.16** (60.50)	147.15** (60.69)
Central Kuba (Non-Bushong)				-133.99 (88.71)				119.35* (70.86)
<i>Non-Core Groups in Kingdom:</i>								
Peripheral Kuba		105.09 (95.95)		105.00 (96.30)		70.70 (76.64)		70.78 (76.92)
Non-Bushong Kuba			-29.64 (77.22)				98.14 (60.44)	
Baseline covariates	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Mean dep var	1,001.75	1,001.75	1,001.75	1,001.75	35.07	35.07	35.07	35.07
F-test (<i>p</i> -value)		0.00	0.10	0.01		0.17	0.14	0.27
Observations	124	124	124	124	124	124	124	124
R-squared	0.13	0.19	0.16	0.20	0.08	0.09	0.09	0.09

Notes: The table reports OLS estimates of equation (1). "Kuba ethnicity indicator" is a variable that equals one if the individual's self reported tribe is Kuba. The reported *F*-tests are for the equality of the coefficients, e.g., Central Kuba vs. Peripheral Kuba, Bushong Kuba vs. Non-Bushong Kuba, etc. All regressions control for a gender indicator, age, age squared, and a survey year fixed effect. Coefficients are reported with robust standard errors in parentheses. *, **, and *** indicate significance at the 10, 5, and 1% levels.

Table A5: Reasons for migrants moving to Kananga.

Reason for moving to Kananga	Number	Percent
Educational opportunities	87	36.10
Economic opportunities	57	23.65
Moved with parents (as child)	49	20.33
Marriage	23	9.54
Outcast from village	10	4.15
Disagreement with others	8	3.32
Other	7	2.90
Total	241	100.00

Notes: The table reports the reason for moving to Kananga among the individuals in our sample that were not born in Kananga. The most common reason in the 'other' category is migration for reasons related to health concerns (3 people).

Table A6: Balance table for the reasons first-generation migrants moved to Kananga.

	Full sample (n=244)			Central Kuba vs. Lele sample (n=65)			Bushong vs. Lele sample (n=51)		
	Sample mean	Not accounting for baseline covariates	Accounting for baseline covariates	Sample mean	Not accounting for baseline covariates	Accounting for baseline covariates	Sample mean	Not accounting for baseline covariates	Accounting for baseline covariates
		Kuba vs. non-Kuba difference			Kuba vs. non-Kuba difference			Kuba vs. non-Kuba difference	
Reasons for Migrating to Kananga									
Educational opportunities	0.357	0.177** (0.078)	0.077 (0.064)	0.600	-0.124 (0.123)	0.021 (0.100)	0.627	-0.095 (0.140)	-0.008 (0.119)
Economic opportunities	0.234	-0.020 (0.070)	0.000 (0.068)	0.154	0.100 (0.090)	0.007 (0.081)	0.137	0.090 (0.099)	0.028 (0.094)
Moved with parents (as child)	0.201	-0.167** (0.065)	-0.163** (0.065)	0.108	-0.110 (0.077)	-0.107 (0.081)	0.118	-0.119 (0.092)	-0.117 (0.099)
Marriage	0.094	0.018 (0.048)	0.057 (0.045)	0.077	0.019 (0.067)	-0.029 (0.061)	0.059	-0.019 (0.068)	-0.034 (0.062)
Outcast from village	0.041	0.030 (0.033)	0.032 (0.033)	0.046	0.086 (0.052)	0.078 (0.050)	0.392	0.095* (0.055)	0.072 (0.053)
Disagreement with others	0.033	-0.040 (0.029)	-0.025 (0.029)	0.000	0.000 (0.000)	0.000 (0.000)	0.000	0.000 (0.000)	0.000 (0.000)
Other	0.041	0.003 (0.033)	0.022 (0.033)	0.015	0.029 (0.031)	0.030 (0.032)	0.020	0.048 (0.040)	0.059 (0.041)

Notes: The table reports balance statistics for each of our three samples of interest, without and with our baseline controls. An observation is an individual in our sample.

Table A7: Controlling for the first principal component of immigration-related characteristics.

	Average amount allocated to other party (of 3000 CF) in the RAG:			Amount of money missing in UG		
	Kuba vs. all others	Central Kuba vs. Lele	Bushong vs. Lele	Kuba vs. all others	Central Kuba vs. Lele	Bushong vs. Lele
	(1)	(2)	(3)	(4)	(5)	(6)
Kuba ethnicity indicator	-78.85* (42.49)	-167.18** (71.72)	-212.96** (82.88)	67.17** (25.98)	138.19** (59.92)	142.72** (70.23)
First principal component	11.07 (10.67)	-21.34 (34.38)	3.92 (38.90)	10.85* (6.53)	22.67 (28.73)	38.25 (32.97)
Baseline covariates	Yes	Yes	Yes	Yes	Yes	Yes
Mean dep var	1,001.51	896.39	914.20	35.28	60.58	56.79
Observations	496	104	81	496	104	81
R-squared	0.08	0.16	0.17	0.03	0.09	0.10

Notes: The table reports OLS estimates of equation (1). "Kuba ethnicity indicator" is a variable that equals one if the individual's self reported tribe is Kuba. All regressions control for a gender indicator, age, age squared, and a survey year fixed effect. Coefficients are reported with robust standard errors in parentheses. *, **, and *** indicate significance at the 10, 5, and 1% levels.

Table A8: Controlling for immigration-related characteristics.

	Average amount allocated to other party (of 3000 CF) in the RAG:			Amount of money missing in UG		
	Kuba vs. all others	Central Kuba vs. Lele	Bushong vs. Lele	Kuba vs. all others	Central Kuba vs. Lele	Bushong vs. Lele
	(1)	(2)	(3)	(4)	(5)	(6)
Kuba ethnicity indicator	-43.64 (42.49)	-170.00** (73.26)	-231.50*** (84.99)	69.82*** (26.69)	123.02** (61.22)	129.01* (73.28)
Immigrant indicator	205.4*** (57.22)	339.21 (262.7)	437.42 (322.2)	-0.904 (35.94)	191.14 (219.51)	22.57 (277.85)
Frac of life in Kananga	166.9** (79.14)	278.51 (316.85)	431.41 (386.26)	17.92 (49.71)	304.01 (264.76)	162.18 (333.06)
Proportion of 5 closest friends that are coethnics	-26.92 (54.51)	73.25 (116.09)	185.1 (136.01)	17.93 (34.24)	178.00* (97.00)	135.2 (117.28)
Ethnic diversity of neighborhood	-205.7** (95.61)	-211.13 (234.27)	-107.79 (256.85)	11.49 (60.05)	186.23 (195.75)	148.31 (221.48)
Share of own-ethnicity in neighborhood	90.29 (72.62)	64.64 (239.90)	252.38 (260.13)	40.20 (45.61)	-50.24 (200.45)	-65.51 (224.30)
Baseline covariates	Yes	Yes	Yes	Yes	Yes	Yes
Mean dep var	1,001.51	896.39	914.20	35.28	60.57	56.79
Observations	496	104	81	496	104	81
R-squared	0.13	0.20	0.24	0.03	0.14	0.14

Notes: The table reports OLS estimates of equation (1). "Kuba ethnicity indicator" is a variable that equals one if the individual's self reported tribe is Kuba. All regressions control for a gender indicator, age, age squared, and a survey year fixed effect. Coefficients are reported with robust standard errors in parentheses. *, **, and *** indicate significance at the 10, 5, and 1% levels.

Table A9: Baseline estimates, omitting first-generation immigrants to Kananga.

	Average amount allocated to other party (of 3000 CF) in the RAG:			Amount of money missing in UG		
	Full sample	Central Kuba & Lele	Bushong & Lele	Full sample	Central Kuba & Lele	Bushong & Lele
	(1)	(2)	(3)	(4)	(5)	(6)
Kuba ethnicity indicator	-133.3** (60.74)	-154.0 (103.7)	-216.5* (117.2)	89.20* (47.53)	224.3* (123.2)	342.3** (153.8)
Covariates:						
Age	-9.604 (7.107)	-22.87 (18.32)	-56.00** (22.37)	4.992 (5.561)	11.51 (21.75)	31.55 (29.35)
Age squared	0.102 (0.0750)	0.219 (0.196)	0.618** (0.243)	-0.0626 (0.0587)	-0.178 (0.233)	-0.413 (0.319)
Female	3.932 (42.94)	-110.2 (105.2)	-25.34 (126.7)	-4.790 (33.60)	-234.5* (124.9)	-343.7** (166.2)
Survey year = 2014	230.9*** (43.55)	240.8** (110.4)	233.6* (125.9)	31.67 (34.08)	70.33 (131.1)	84.02 (165.2)
Mean of dep var	948.27	790.96	827.08	42.86	78.72	102.78
Observations	231	47	36	231	47	36
R-squared	0.152	0.195	0.266	0.025	0.142	0.221

Notes: The table reports OLS estimates of equation (1). "Kuba ethnicity indicator" is a variable that equals one if the individual's self reported tribe is Kuba. All regressions control for a gender indicator, age, age squared, and a survey year fixed effect. Coefficients are reported with robust standard errors in parentheses. *, **, and *** indicate significance at the 10, 5, and 1% levels.

Table A10: Accounting for crop suitability.

	Average amount allocated to other party (of 3000 CF) in the RAG:			Amount of money missing in UG		
	Kuba vs. all others	Central Kuba vs. Lele	Bushong vs. Lele	Kuba vs. all others	Central Kuba vs. Lele	Bushong vs. Lele
	(1)	(2)	(3)	(4)	(5)	(6)
Kuba ethnicity indicator	-88.86* (46.99)	-159.75* (83.86)	-211.85** (94.97)	58.40* (34.50)	140.57** (69.36)	150.91 (92.30)
Crop suitability index, 0-100:						
Maize suitability	-1.19 (5.81)	-14.03 (56.17)	7.98 (56.74)	0.58 (4.44)	-6.40 (27.28)	-5.56 (30.04)
Cassava suitability	0.20 (2.58)	9.10 (23.32)	-2.62 (24.37)	-0.26 (1.19)	-0.97 (11.58)	-1.20 (12.68)
Baseline covariates	Yes	Yes	Yes	Yes	Yes	Yes
Mean dep var	1,001.75	895.24	912.50	35.07	60.00	56.10
Observations	499	105	82	499	105	82
R-squared	0.08	0.16	0.17	0.02	0.09	0.09

Notes: The table reports OLS estimates of equation (1). "Kuba ethnicity indicator" is a variable that equals one if the individual's self reported tribe is Kuba. All regressions control for a gender indicator, age, age squared, and a survey year fixed effect. *, **, and *** indicate significance at the 10, 5, and 1% levels.

Table A11: Robustness of the estimates to the omission of villages close to the portion of the Kuba Kingdom's boundary that was not determined by the river network.

	Average amount allocated to other party (of 3000 CF) in the RAG:			Amount of money missing in UG		
	Kuba vs. all others	Central Kuba vs. Lele	Bushong vs. Lele	Kuba vs. all others	Central Kuba vs. Lele	Bushong vs. Lele
	(1)	(2)	(3)	(4)	(5)	(6)
Panel A. Baseline with full sample						
Kuba ethnicity indicator	-88.47** (41.39)	-165.37** (70.92)	-209.91** (81.33)	58.23** (25.34)	140.24** (59.27)	150.70** (69.48)
Observations	499	105	82	499	105	82
Panel B. No observations within 10km of non-river Kuba boundary						
Kuba ethnicity indicator	-110.63** (42.93)	-181.00** (72.28)	-226.93*** (82.21)	55.00** (26.88)	125.39** (60.38)	122.82* (68.29)
Observations	476	99	81	476	99	81
Panel C. No observations within 20km of non-river Kuba boundary						
Kuba ethnicity indicator	-131.40*** (45.12)	-219.27*** (72.70)	-226.93*** (82.21)	58.94** (28.71)	135.07** (62.94)	122.82* (68.29)
Observations	455	95	81	455	95	81
Panel D. No observations within 30km of non-river Kuba boundary						
Kuba ethnicity indicator	-140.18*** (46.76)	-234.26*** (74.15)	-235.22*** (83.35)	43.32 (29.79)	112.65* (60.46)	127.99* (70.58)
Observations	422	91	78	422	91	78
Panel E. No observations within 40km of non-river Kuba boundary						
Kuba ethnicity indicator	-149.28*** (47.40)	-237.17*** (74.81)	-239.05*** (84.28)	41.97 (30.83)	114.78* (61.01)	130.95* (71.38)
Observations	403	90	77	403	90	77
Panel F. No observations within 50km of non-river Kuba boundary						
Kuba ethnicity indicator	-151.45*** (52.24)	-237.38*** (78.27)	-223.69** (87.47)	68.36** (30.00)	145.60** (67.61)	156.35** (77.12)
Observations	343	81	72	343	81	72

Notes: The table reports OLS estimates of equation (1). "Kuba ethnicity indicator" is a variable that equals one if the individual's self reported tribe is Kuba. All regressions control for a gender indicator, age, age squared, and a survey year fixed effect. Coefficients are reported with robust standard errors in parentheses. *, **, and *** indicate significance at the 10, 5, and 1% levels.

Table A12: Baseline estimates, controlling for trust in foreigners, universities, and international organizations.

	Average amount allocated to other party (of 3000 CF) in the RAG:			Amount of money missing in UG		
	Kuba vs. all others	Central Kuba vs. Lele	Bushong vs. Lele	Kuba vs. all others	Central Kuba vs. Lele	Bushong vs. Lele
	(1)	(2)	(3)	(4)	(5)	(6)
Kuba ethnicity indicator	-87.50** (41.53)	-155.98** (71.99)	-197.61** (82.33)	55.50** (25.32)	127.50** (59.06)	128.91* (67.20)
Trust in (1-4):						
Int'l Organizations	9.27 (17.52)	42.76 (37.83)	34.79 (41.80)	-15.94 (10.68)	-40.45 (31.04)	-39.24 (34.12)
Other Nationalities	3.18 (18.28)	33.86 (42.73)	53.78 (50.87)	-16.53 (11.14)	-69.26* (35.06)	-112.28*** (41.52)
Universities	10.29 (18.94)	2.88 (49.09)	3.62 (60.43)	15.29 (11.55)	36.62 (40.27)	56.72 (49.32)
Baseline Covariates	Yes	Yes	Yes	Yes	Yes	Yes
Mean of dep var	1001.75	895.24	912.50	35.07	60.00	56.10
Observations	499	105	82	499	105	82
R-squared	0.08	0.17	0.20	0.03	0.14	0.19

Notes: The table reports OLS estimates of equation (1). The trust questions are measured on a 1, 2, 3, 4 scale that is increasing in trust. The responses are: (1) not at all, (2) not very much, (3) somewhat, (4) completely. "Kuba ethnicity indicator" is an indicator variable that equals one if the individual's self-reported tribe is Kuba. All regressions control for a gender indicator, age, age squared, and a survey year fixed effect.

Table A13: Baseline estimates, controlling for offers in the dictator game.

	Average amount allocated to other party (of 3000 CF) in the RAG:				
	Citizen of Kananga	Coethnic citizen of Kananga	Non-coethnic citizen of Kananga	Provincial Government	Average
	(1)	(2)	(3)	(4)	(5)
Panel A. Full sample					
Kuba ethnicity indicator	-33.75 (47.30)	-105.09** (49.63)	-94.77** (48.10)	-99.29* (53.89)	-81.47** (40.57)
Offer in dictator game	0.48*** (0.09)	0.45*** (0.10)	0.51*** (0.09)	0.46*** (0.09)	0.64*** (0.09)
Observations	499	499	499	465	465
R-squared	0.13	0.06	0.12	0.13	0.17
Panel B. Central Kuba vs. Lele					
Kuba ethnicity indicator	-152.71* (80.54)	-159.11* (92.53)	-111.20 (81.06)	-226.80** (93.47)	-150.80* (78.41)
Offer in dictator game	0.11 (0.19)	-0.05 (0.24)	0.07 (0.19)	0.55** (0.26)	0.18 (0.23)
Observations	105	105	105	93	93
R-squared	0.13	0.08	0.15	0.21	0.14
Panel C. Bushong vs. Lele					
Kuba ethnicity indicator	-196.23** (88.90)	-195.85* (103.83)	-160.02* (92.02)	-248.81** (107.90)	-187.14** (90.01)
Offer in dictator game	0.40* (0.23)	0.09 (0.28)	0.19 (0.22)	0.74** (0.32)	0.44 (0.28)
Observations	82	82	82	71	71
R-squared	0.17	0.10	0.19	0.23	0.18

Notes: The table reports OLS estimates of equation (1). "Kuba ethnicity indicator" is a variable that equals one if the individual's self reported tribe is Kuba. All regressions control for a gender indicator, age, age squared, and a survey year fixed effect. *, **, and *** indicate significance at the 10, 5, and 1% levels.

Table A14: Controlling for differences in incidence of wrong answers in game questions and math questions.

	Average amount allocated to other party (of 3000 CF) in the RAG:			Amount of money missing in UG		
	Kuba vs. all others	Central Kuba vs. Lele	Bushong vs. Lele	Kuba vs. all others	Central Kuba vs. Lele	Bushong vs. Lele
	(1)	(2)	(3)	(4)	(5)	(6)
Kuba Ethnicity Indicator	-83.48** (41.21)	-145.34** (71.97)	-194.66** (83.96)	57.24** (25.42)	139.01** (59.99)	139.10* (70.33)
Proportion incorrect on math questions	34.40 (52.26)	-72.18 (122.18)	-103.86 (148.57)	-51.62 (32.36)	-114.80 (102.84)	-132.97 (126.24)
Proportion incorrect on RAG questions	-308.00*** (114.66)	-466.59 (301.08)	-399.74 (347.92)			
Proportion incorrect on UG questions				34.29 (51.99)	-13.28 (190.61)	177.50 (239.25)
Baseline Covariates	Yes	Yes	Yes	Yes	Yes	Yes
Mean dep var	1,001.75	895.24	912.50	35.21	60.00	56.10
Observations	499	105	82	497	105	82
<i>R</i> -squared	0.09	0.18	0.20	0.03	0.10	0.10

Notes: The table reports OLS estimates of equation (1). "Kuba ethnicity indicator" is a variable that equals one if the individual's self reported tribe is Kuba. All regressions control for a gender indicator, age, age squared, and a survey year fixed effect. *, **, and *** indicate significance at the 10, 5, and 1% levels.

Table A15: Examining the importance of teaching obedience to children.

	Indicator for 'obedience' being reported as important to teach children at home		
	Kuba vs. all others	Central Kuba vs. Lele	Bushong vs. Lele
	(1)	(2)	(3)
Kuba ethnicity indicator	-0.063 (0.049)	-0.159* (0.085)	-0.202** (0.096)
Baseline covariates	Yes	Yes	Yes
Mean dep var	0.80	0.76	0.77
Observations	499	105	82
<i>R</i> -squared	0.02	0.13	0.11

Notes: The table reports OLS estimates of equation (1). The dependent variable is an indicator that equals one if the respondent reports that 'obedience' is important to teach children at home. "Kuba ethnicity indicator" is a variable that equals one if the individual's self reported tribe is Kuba. Standard errors are clustered at the origin village level. All regressions control for a gender indicator, age, age squared, and a survey year fixed effect. Coefficients are reported with robust standard errors in parentheses. *, **, and *** indicate significance at the 10, 5, and 1% levels.

Table A16: Accounting for income and wealth.

	Average amount allocated to other party (of 3000 CF) in the RAG:			Amount of money missing in UG		
	Kuba vs. all others	Central Kuba vs. Lele	Bushong vs. Lele	Kuba vs. all others	Central Kuba vs. Lele	Bushong vs. Lele
	(1)	(2)	(3)	(4)	(5)	(6)
Kuba ethnicity indicator	-90.48** (41.78)	-165.74** (71.04)	-207.04** (81.11)	59.44** (25.58)	140.07** (59.51)	150.89** (69.97)
First pc of income vars (height/weight not incl.)	4.04 (10.91)	19.82 (24.31)	35.26 (29.11)	-2.43 (6.68)	9.33 (20.36)	2.41 (25.11)
Baseline covariates	Yes	Yes	Yes	Yes	Yes	Yes
Mean dep var	1,001.75	895.24	912.50	35.07	60.00	56.10
Observations	499	105	82	499	105	82
R-squared	0.08	0.16	0.19	0.02	0.09	0.08

Notes: The table reports OLS estimates of equation (1). "Kuba ethnicity indicator" is a variable that equals one if the individual's self reported tribe is Kuba. All regressions control for a gender indicator, age, age squared, and a survey year fixed effect. Coefficients are reported with robust standard errors in parentheses. *, **, and *** indicate significance at the 10, 5, and 1% levels.

Table A17: Accounting for income and wealth, also using height and weight measures.

	Average amount allocated to other party (of 3000 CF) in the RAG:			Amount of money missing in UG		
	Kuba vs. all others	Central Kuba vs. Lele	Bushong vs. Lele	Kuba vs. all others	Central Kuba vs. Lele	Bushong vs. Lele
	(1)	(2)	(3)	(4)	(5)	(6)
Kuba ethnicity indicator	-84.79* (43.19)	-151.61** (74.49)	-181.42** (82.99)	68.63** (26.54)	150.17** (63.21)	152.99** (73.19)
First pc of income vars (height/weight included)	-7.14 (11.39)	22.65 (26.20)	42.10 (30.72)	-3.92 (7.00)	6.81 (22.24)	-6.09 (27.09)
Baseline covariates	Yes	Yes	Yes	Yes	Yes	Yes
Mean dep var	1,006.60	887.50	907.69	34.04	64.29	58.97
Observations	470	98	78	470	98	78
R-squared	0.08	0.14	0.18	0.02	0.10	0.08

Notes: The table reports OLS estimates of equation (1). "Kuba ethnicity indicator" is a variable that equals one if the individual's self reported tribe is Kuba. All regressions control for a gender indicator, age, age squared, and a survey year fixed effect. Coefficients are reported with robust standard errors in parentheses. *, **, and *** indicate significance at the 10, 5, and 1% levels.

Table A18: Accounting for colonial contact.

	Average amount allocated to other party (of 3000 CF) in the RAG:			Amount of money missing in UG		
	Kuba vs. all others	Central Kuba vs. Lele	Bushong vs. Lele	Kuba vs. all others	Central Kuba vs. Lele	Bushong vs. Lele
	(1)	(2)	(3)	(4)	(5)	(6)
Kuba ethnicity indicator	-103.25** (48.90)	-198.53* (109.34)	-253.64* (139.40)	51.00 (34.17)	134.54** (62.30)	164.74* (90.67)
Colonial indicators (within 30km in 1951):						
Mission station	5.49 (36.08)	-99.57 (85.21)	22.74 (124.57)	18.07 (17.34)	-80.95 (74.80)	-109.67 (80.30)
Power station	0.46 (52.73)	-223.96 (166.14)	-266.83 (175.16)	-26.74 (20.55)	20.40 (34.22)	31.87 (40.18)
Railway line	57.56* (32.25)	-16.04 (122.93)	-23.54 (144.43)	25.71 (16.15)	26.76 (33.08)	25.69 (39.61)
Mine	-82.57* (44.46)			38.99* (23.00)		
Baseline covariates	Yes	Yes	Yes	Yes	Yes	Yes
Mean dep var	1,001.75	895.24	912.50	35.07	60.00	56.09
Observations	499	105	82	499	105	82
R-squared	0.09	0.20	0.22	0.03	0.10	0.10

Notes: The table reports OLS estimates of equation (1). "Kuba ethnicity indicator" is a variable that equals one if the individual's self reported tribe is Kuba. Standard errors are clustered at the origin village level. All regressions control for a gender indicator, age, age squared, and a survey year fixed effect. *, **, and *** indicate significance at the 10, 5, and 1% levels.

Table A19: Accounting for attitudes towards former President Mobutu.

	Average amount allocated to other party (of 3000 CF) in the RAG:			Amount of money missing in UG		
	Kuba vs. all others	Central Kuba vs. Lele	Bushong vs. Lele	Kuba vs. all others	Central Kuba vs. Lele	Bushong vs. Lele
	(1)	(2)	(3)	(4)	(5)	(6)
Kuba ethnicity indicator	-94.39** (42.72)	-199.44** (77.36)	-240.02** (93.39)	61.63** (27.45)	153.48** (69.10)	182.08** (85.06)
Attitudes towards Mobutu:						
Impact of Mobutu, 1-5 scale	-27.44 (19.19)	-73.49* (43.76)	-77.56 (52.63)	14.15 (12.33)	36.63 (39.08)	50.32 (47.93)
Perception of Mobutu, 1-5 scale	41.70** (17.39)	117.32*** (39.18)	82.35 (49.61)	-5.56 (11.17)	-15.57 (34.99)	-31.22 (45.19)
Mobutu ST-IAT D-Score	-41.74 (32.75)	26.08 (83.73)	166.30 (100.37)	17.51 (21.04)	1.23 (74.79)	-57.56 (91.41)
Baseline covariates	Yes	Yes	Yes	Yes	Yes	Yes
Mean dep var	1,011.96	905.91	927.46	37.07	67.74	64.79
Observations	464	93	71	464	93	71
R-squared	0.09	0.22	0.23	0.03	0.11	0.11

Notes: The table reports OLS estimates of equation (1). "Kuba ethnicity indicator" is a variable that equals one if the individual's self reported tribe is Kuba. All regressions control for a gender indicator, age, age squared, and a survey year fixed effect. *, **, and *** indicate significance at the 10, 5, and 1% levels.

Table A20: Estimates from Nunn and Wantchekon (2011) of the relationship between state centralization and trust.

	Reproduction of estimates from Nunn and Wantchekon (2011)				
	Trust of relatives, 0-3	Trust of neighbors, 0-3	Trust of local council, 0-3	Intragroup trust, 0-3	Intergroup trust, 0-3
	(1)	(2)	(3)	(4)	(5)
Levels of political authority of ethnic group, 1-4	-0.0194 (0.0186)	-0.0338 (0.0208)	0.0027 (0.0146)	-0.0359 (0.0260)	-0.0410* (0.0232)
ln (1+ exports/area)	Yes	Yes	Yes	Yes	Yes
Ethnicity-level colonial controls	Yes	Yes	Yes	Yes	Yes
Individual controls	Yes	Yes	Yes	Yes	Yes
District controls	Yes	Yes	Yes	Yes	Yes
Country fixed effects	Yes	Yes	Yes	Yes	Yes
Mean of dep var	2.19	1.74	1.67	1.68	1.36
Observations	16,709	16,679	15,905	16,636	16,473
Ethnicity clusters	147	147	146	147	147
District clusters	1,187	1,187	1,194	1,186	1,184
R-squared	0.13	0.16	0.21	0.16	0.12

Notes : The table reports OLS estimates of equation (1) from Nunn and Wantchekon (2011). Columns 1-5 reproduce the estimates from columns 1-5 of table 3 in Nunn and Wantchekon, but report the coefficient for the control variable that measures political centralization. The variable is variable v33 from the Ethnographic Atlas, which measures "the number of jurisdictional political hierarchies beyond the local community". Coefficients are reported with standard errors adjusted for two-way clustering by district and ethnicity. *, **, and *** indicate significance at the 10, 5, and 1% levels.