

The Slave Trade and Ethnic Stratification in Africa:

Results Appendix

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Table 1 - Felix & Meur (2001) - Number of Ethnicities in 125km Buffers

	(1)	(2)	(3)	(4)	(5)	(6)	IV (7)	IV (8)	IV (9)
Slaves	.021 (.004)***	.020 (.005)***	.022 (.007)***	.015 (.003)***	.013 (.005)***	.014 (.007)**	.038 (.012)***	.038 (.017)**	.041 (.026)
AgSuitability				3.647 (.653)***	3.541 (.900)***	3.335 (1.311)**	3.431 (.737)***	3.325 (1.037)***	3.681 (1.546)**
Population				.076 (.026)***	.066 (.034)*	.080 (.041)*	.056 (.031)*	.046 (.041)	.077 (.048)
Elevation				-.087 (.115)	-.194 (.166)	-.548 (.254)**	.080 (.153)	.004 (.230)	-.346 (.348)
Forest				-7.444 (5.355)	-5.744 (7.178)	-7.499 (10.893)	-7.741 (5.984)	-3.860 (8.283)	-12.427 (13.382)
Desert				-15.247 (2.351)***	-15.238 (3.372)***	-13.652 (4.932)***	-12.314 (3.010)***	-11.954 (4.420)***	-11.439 (6.053)*
Obs.	200	100	50	200	100	50	200	100	50

Table 1: The results presented in this table are calculated using OLS or 2SLS, as marked. The variables are constructed in a 125km buffer around each of the coastal points. Specifications include totals of: 50, 100, and 200 total points. The measure of ethnicity is constructed using Felix and Meur (2001).

Table 2 - Felix & Meur (2001) - Number of Ethnicities in 250km Buffers

	(1)	(2)	(3)	(4)	(5)	(6)	IV (7)	IV (8)	IV (9)
Slaves	.072 (.008)***	.072 (.011)***	.078 (.017)***	.041 (.007)***	.042 (.010)***	.028 (.015)*	.123 (.028)***	.120 (.035)***	.141 (.061)**
AgSuitability				10.387 (1.937)***	9.939 (2.710)***	7.871 (3.993)**	6.436 (2.806)**	6.310 (3.785)*	.356 (7.062)
Population				.885 (.100)***	.909 (.154)***	1.209 (.221)***	.680 (.145)***	.631 (.228)***	.838 (.379)**
Elevation				-.800 (.267)***	-.799 (.386)**	-1.067 (.525)**	-.165 (.401)	-.073 (.580)	.103 (.979)
Forest				-12.314 (6.793)*	-6.817 (9.282)	5.105 (14.779)	-25.222 (9.706)***	-19.858 (13.071)	-3.351 (22.531)
Desert				-17.295 (3.432)***	-15.296 (4.402)***	-14.335 (8.285)*	-5.867 (5.767)	-5.739 (6.905)	4.425 (15.554)
Obs.	200	100	50	200	100	50	200	100	50

Table 2: The results presented in this table are calculated using OLS or 2SLS, as marked. The variables are constructed in a 250km buffer around each of the coastal points. Specifications include totals of: 50, 100, and 200 total points. The measure of ethnicity is constructed using Felix and Meur (2001).

Table 3 - Felix & Meur (2001) - Number of Ethnicities in 500km Buffers

							IV	IV	IV
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Slaves	.169 (.012)***	.173 (.018)***	.179 (.026)***	.160 (.015)***	.166 (.021)***	.170 (.036)***	.342 (.053)***	.353 (.074)***	.407 (.207)**
AgSuitability				3.205 (5.724)	-2.238 (7.580)	1.948 (14.707)	-20.801 (9.983)**	-20.906 (12.388)*	-39.345 (40.693)
Population				4.369 (.488)***	4.612 (.688)***	4.850 (1.265)***	3.419 (.699)***	3.462 (1.027)***	4.602 (1.804)**
Elevation				-.338 (.836)	-.022 (1.173)	-.170 (1.767)	2.830 (1.401)**	2.947 (1.934)	3.315 (3.869)
Forest				-53.943 (10.754)***	-43.352 (14.784)***	-61.010 (24.603)**	-119.394 (22.658)***	-114.883 (33.058)***	-124.344 (63.946)*
Desert				-10.985 (4.043)***	-5.510 (4.542)	-16.737 (13.956)	12.465 (8.281)	12.459 (9.036)	33.437 (46.850)
Obs.	200	100	50	200	100	50	200	100	50

Table 3: The results presented in this table are calculated using OLS or 2SLS, as marked. The variables are constructed in a 500km buffer around each of the coastal points. Specifications include totals of: 50, 100, and 200 total points. The measure of ethnicity is constructed using Felix and Meur (2001).

Table 4 - Felix & Meur (2001) - Number of Ethnicities (Assigned to Nearest Coastal Point)

							IV	IV	IV
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Slaves	.028 (.007)***	.019 (.003)***	.024 (.006)***	.025 (.010)**	.018 (.005)***	.009 (.008)	.059 (.028)**	.047 (.015)***	.068 (.050)
AgSuitability				3.674 (3.889)	.437 (1.733)	6.903 (3.422)**	-.792 (5.233)	-2.534 (2.473)	-3.456 (9.847)
Population				.560 (.331)*	.537 (.157)***	1.026 (.294)***	.383 (.366)	.354 (.205)*	.963 (.436)**
Elevation				.054 (.568)	.126 (.268)	-.204 (.411)	.644 (.734)	.599 (.386)	.671 (.936)
Forest				-8.257 (7.306)	-7.749 (3.381)	-7.815 (5.725)	-20.431 (11.877)*	-12.134 (6.600)*	-23.704 (15.474)
Desert				-2.688 (2.747)	.416 (1.039)	-7.952 (3.248)**	1.674 (4.341)	3.275 (1.804)*	4.636 (11.337)
Obs.	200	100	50	200	100	50	200	100	50

Table 4: The results presented in this table are calculated using OLS or 2SLS, as marked. The environmental variables are constructed in a 500km buffer around each of the coastal points. Ethnicities are only assigned to the nearest coastal point. Specifications include totals of: 50, 100, and 200 total points. The measure of ethnicity is constructed using Felix and Meur (2001).

Table 5 - Murdock (1959) - Number of Ethnicities in 125km Buffers

	(1)	(2)	(3)	(4)	(5)	(6)	IV (7)	IV (8)	IV (9)
Slaves	.001 (.0007)*	.001 (.001)	.002 (.001)	-.0004 (.0006)	-.0007 (.001)	-.0002 (.001)	-.001 (.002)	-.001 (.003)	-.0009 (.005)
AgSuitability				.452 (.127)***	.595 (.189)***	.463 (.267)*	.457 (.128)***	.600 (.191)***	.454 (.274)*
Population				.009 (.005)*	.012 (.007)*	.015 (.008)*	.009 (.005)*	.013 (.008)*	.016 (.008)*
Elevation				-.049 (.022)**	-.079 (.035)**	-.077 (.052)	-.053 (.027)**	-.083 (.042)*	-.083 (.062)
Forest				1.891 (1.041)*	1.470 (1.503)	.040 (2.218)	1.898 (1.043)*	1.430 (1.523)	.173 (2.370)
Desert				-2.485 (.457)***	-2.883 (.706)***	-2.496 (1.004)**	-2.558 (.525)***	-2.952 (.813)***	-2.556 (1.072)**
Obs.	200	100	50	200	100	50	200	100	50

Table 5: The results presented in this table are calculated using OLS or 2SLS, as marked. The variables are constructed in a 125km buffer around each of the coastal points. Specifications include totals of: 50, 100, and 200 total points. The measure of ethnicity is constructed using Murdock (1959).

Table 6 - Murdock (1959) - Number of Ethnicities in 250km Buffers

	(1)	(2)	(3)	(4)	(5)	(6)	IV (7)	IV (8)	IV (9)
Slaves	.009 (.001)***	.009 (.002)***	.009 (.003)***	.003 (.001)**	.002 (.002)	-.0008 (.002)	.0006 (.003)	.002 (.004)	-.003 (.006)
AgSuitability				1.809 (.286)***	1.780 (.417)***	2.132 (.592)***	1.904 (.325)***	1.822 (.456)***	2.258 (.705)***
Population				.127 (.015)***	.128 (.024)***	.147 (.033)***	.132 (.017)***	.132 (.028)***	.154 (.038)***
Elevation				-.182 (.039)***	-.192 (.060)***	-.253 (.078)***	-.197 (.046)***	-.201 (.070)***	-.272 (.098)***
Forest				-.685 (1.004)	.173 (1.430)	1.182 (2.193)	-.374 (1.122)	.324 (1.576)	1.324 (2.250)
Desert				-3.363 (.507)***	-3.107 (.678)***	-4.068 (1.229)***	-3.639 (.667)***	-3.218 (.832)***	-4.384 (1.553)***
Obs.	200	100	50	200	100	50	200	100	50

Table 6: The results presented in this table are calculated using OLS or 2SLS, as marked. The variables are constructed in a 250km buffer around each of the coastal points. Specifications include totals of: 50, 100, and 200 total points. The measure of ethnicity is constructed using Murdock (1959).

Table 7 - Murdock (1959) - Number of Ethnicities in 500km Buffers

							IV	IV	IV
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Slaves	.021 (.002)***	.022 (.003)***	.023 (.004)***	.019 (.002)***	.021 (.003)***	.019 (.005)***	.021 (.006)***	.024 (.009)***	.0002 (.025)
AgSuitability				2.230 (.898)**	1.164 (1.209)	3.412 (2.242)	2.011 (1.176)*	.833 (1.457)	6.679 (4.938)
Population				.748 (.077)***	.768 (.110)***	.782 (.193)***	.739 (.082)***	.747 (.121)***	.801 (.219)***
Elevation				-.473 (.131)***	-.373 (.187)**	-.479 (.269)*	-.444 (.165)***	-.321 (.227)	-.755 (.469)
Forest				-10.703 (1.687)***	-8.867 (2.357)***	-12.918 (3.750)***	-11.301 (2.669)***	-10.133 (3.889)***	-7.907 (7.759)
Desert				-2.555 (.634)***	-1.460 (.724)**	-4.845 (2.127)**	-2.340 (.976)**	-1.142 (1.063)	-8.815 (5.685)
Obs.	200	100	50	200	100	50	200	100	50

Table 7: The results presented in this table are calculated using OLS or 2SLS, as marked. The variables are constructed in a 500km buffer around each of the coastal points. Specifications include totals of: 50, 100, and 200 total points. The measure of ethnicity is constructed using Murdock (1959).

Table 8 - Murdock(1959) - Number of Ethnicities (Assigned to Nearest Coastal Point)

							IV	IV	IV
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Slaves	.004 (.001)***	.002 (.0006)***	.003 (.0009)***	.004 (.002)**	.003 (.0008)***	.002 (.001)*	.007 (.005)	.006 (.002)***	.010 (.007)
AgSuitability				.597 (.666)	-.176 (.292)	.801 (.484)*	.156 (.879)	-.491 (.377)	-.621 (1.370)
Population				.101 (.057)*	.076 (.026)***	.150 (.042)***	.083 (.062)	.057 (.031)*	.142 (.061)**
Elevation				-.019 (.097)	.017 (.045)	-.042 (.058)	.039 (.123)	.067 (.059)	.079 (.130)
Forest				-1.803 (1.251)	-.142 (.569)	-1.939 (.809)**	-3.006 (1.996)	-1.346 (1.007)	-4.121 (2.154)*
Desert				-.272 (.470)	.435 (.175)**	-.747 (.459)	.159 (.729)	.737 (.275)***	.982 (1.578)
Obs.	200	100	50	200	100	50	200	100	50

Table 8: The results presented in this table are calculated using OLS or 2SLS, as marked. The environmental variables are constructed in a 500km buffer around each of the coastal points. Ethnicities are only assigned to the nearest coastal point. Specifications include totals of: 50, 100, and 200 total points. The measure of ethnicity is constructed using Murdock (1959).

Table 9 - IV First Stage - Number of Slaves Exported in 125km Buffers

	(1)	(2)	(3)
Instrument1	-2.788 (1.725)	-2.663 (2.520)	-1.829 (3.442)
Instrument2	-3.059 (.687)***	-3.071 (.992)***	-2.709 (1.303)**
AgSuitability	-6.889 (15.199)	-5.125 (21.453)	-26.137 (30.270)
Population	2.010 (.590)***	1.967 (.819)**	.845 (.933)
Elevation	-7.645 (2.803)***	-8.758 (4.223)**	-8.334 (6.499)
Forest	75.342 (112.346)	-32.831 (154.868)	200.407 (227.701)
Desert	-50.328 (50.972)	-59.929 (74.878)	-23.442 (106.040)
Obs.	200	100	50

Table 9: The results presented in this table are the first stage results for all 125km buffer IV regressions. The environmental variables are constructed in a 125km buffer around each of the coastal points. Ethnicities are only assigned to the nearest coastal point. Specifications include totals of: 50, 100, and 200 total points.

Table 10 - IV First Stage - Number of Slaves Exported in 250km Buffers

	(1)	(2)	(3)
Instrument1	-2.788 (1.725)	-2.663 (2.520)	-1.829 (3.442)
Instrument2	-3.059 (.687)***	-3.071 (.992)***	-2.709 (1.303)**
AgSuitability	-6.889 (15.199)	-5.125 (21.453)	-26.137 (30.270)
Population	2.010 (.590)***	1.967 (.819)**	.845 (.933)
Elevation	-7.645 (2.803)***	-8.758 (4.223)**	-8.334 (6.499)
Forest	75.342 (112.346)	-32.831 (154.868)	200.407 (227.701)
Desert	-50.328 (50.972)	-59.929 (74.878)	-23.442 (106.040)
Obs.	200	100	50

Table 10: The results presented in this table are the first stage results for all 250km buffer IV regressions. The environmental variables are constructed in a 250km buffer around each of the coastal points. Ethnicities are only assigned to the nearest coastal point. Specifications include totals of: 50, 100, and 200 total points.

Table 11 - IV First Stage - Number of Slaves Exported in 500km Buffers

	(1)	(2)	(3)
Instrument1	-2.788 (1.725)	-2.663 (2.520)	-1.829 (3.442)
Instrument2	-3.059 (.687)***	-3.071 (.992)***	-2.709 (1.303)**
AgSuitability	-6.889 (15.199)	-5.125 (21.453)	-26.137 (30.270)
Population	2.010 (.590)***	1.967 (.819)**	.845 (.933)
Elevation	-7.645 (2.803)***	-8.758 (4.223)**	-8.334 (6.499)
Forest	75.342 (112.346)	-32.831 (154.868)	200.407 (227.701)
Desert	-50.328 (50.972)	-59.929 (74.878)	-23.442 (106.040)
Obs.	200	100	50

Table 11: The results presented in this table are the first stage results for all 500km buffer and “nearest” IV regressions. The environmental variables are constructed in a 125km buffer around each of the coastal points. Ethnicities are only assigned to the nearest coastal point. Specifications include totals of: 50, 100, and 200 total points.

Table 12 - Peoples Atlas - Number of Ethnicities in 125km Buffers - No Overlap

	(1)	(2)	IV (3)
Slaves	.015 (.006)**	.008 (.006)	.026 (.019)
AgSuitability		4.381 (1.032)***	4.253 (1.127)***
Population		.096 (.040)**	.107 (.045)**
Elevation		-.449 (.234)*	-.316 (.288)
Forest		-4.303 (9.209)	-2.454 (10.168)
Desert		-15.742 (4.065)***	-12.428 (5.554)**
Obs.	67	67	67

Table 12: The results presented in this table are calculated using OLS or 2SLS, as marked. The variables are constructed in a 125km buffer around each of the coastal points. The observation size has been chosen to ensure no overlap between observational units. The measure of ethnicity is constructed using Felix and Meur (2001).

Table 13 - Peoples Atlas - Number of Ethnicities in 250km Buffers - No Overlap

	(1)	(2)	IV (3)
Slaves	.089 (.019)***	.036 (.016)**	.153 (.064)**
AgSuitability		11.786 (3.913)***	8.504 (6.468)
Population		1.263 (.209)***	.705 (.436)
Elevation		-1.322 (.541)**	-.084 (1.065)
Forest		-15.750 (15.126)	-32.280 (25.562)
Desert		-17.046 (7.437)**	-6.729 (12.967)
Obs.	40	40	40

Table 13: The results presented in this table are calculated using OLS or 2SLS, as marked. The variables are constructed in a 250km buffer around each of the coastal points. The observation size has been chosen to ensure no overlap between observational units. The measure of ethnicity is constructed using Felix and Meur (2001).

Table 14 - Peoples Atlas - Number of Ethnicities in 500km Buffers - No Overlap

	(1)	(2)	IV (3)
Slaves	.173 (.053)***	.141 (.088)	.315 (.151)**
AgSuitability		5.408 (25.038)	-13.594 (31.345)
Population		7.279 (4.185)*	3.723 (5.340)
Elevation		.645 (4.513)	5.014 (5.915)
Forest		-34.446 (84.054)	-142.156 (119.218)
Desert		-4.059 (10.568)	7.342 (14.227)
Obs.	19	19	19

Table 14: The results presented in this table are calculated using OLS or 2SLS, as marked. The variables are constructed in a 500km buffer around each of the coastal points. The observation size has been chosen to ensure no overlap between observational units. The measure of ethnicity is constructed using Felix and Meur (2001).