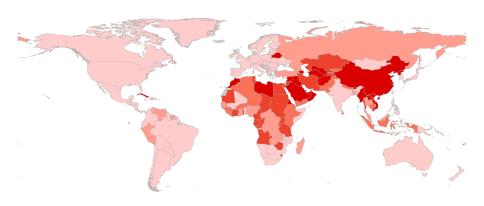
Roots of Autocracy

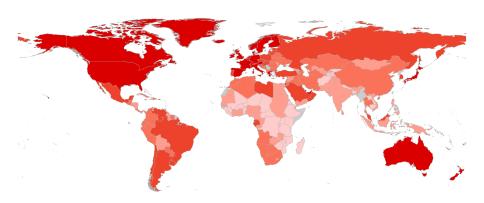
Oded Galor and Marc Klemp

January, 2017

Variation in Autocratic Institutions (1994–2013)



Income per Capita across the Globe (1994-2011)



Main Hypothesis

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 - The distribution of autocratic institutions across countries and regions

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 - Pre-colonial village democracy is associated with modern democracy

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- Diversity contributed to the emergence of formal or informal institutions

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- Heterogeneity contributed to the emergence of a ruling elite

Chimpanzees: Genetically Diverse and Characterized by Alpha Male



Bonobos: Genetically more Homogenous and More Egalitarian



Goereferenced Dataset on Observed Genetic Diversity

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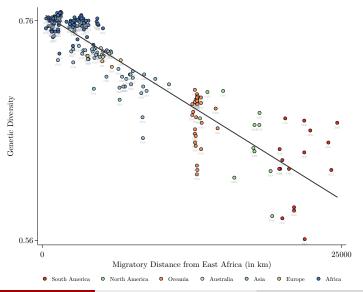
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 - Display insignificant genetic admixture
 - To a large extent we can therefore argue that these populations characterize the geo-genetic features caused by the migration out of Africa

The Spatial Distribution of Ethnic Groups — Observed Diversity (232)

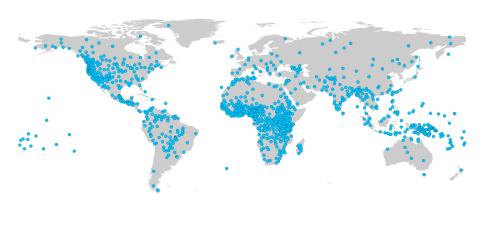


Origins of Autocracy The IV Strategy The Serial Founder Effect

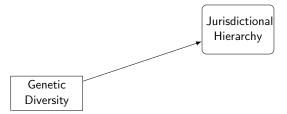
Migratory Distance from Africa and Genetic Diversity

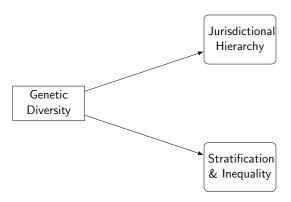


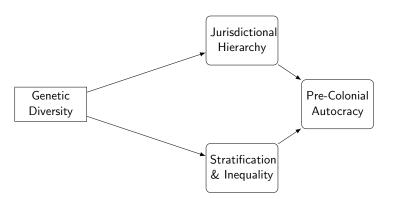
The Spatial Distribution of Ethnic Groups — Predicted Sample

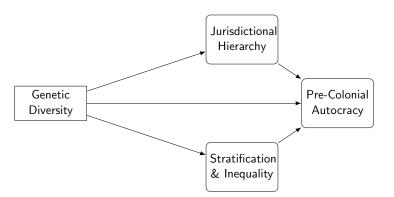


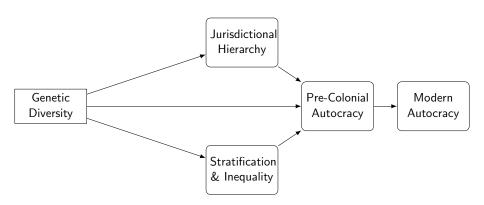
Genetic Diversity

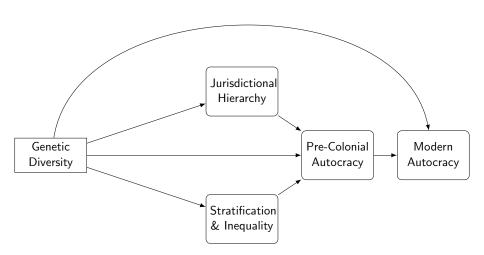


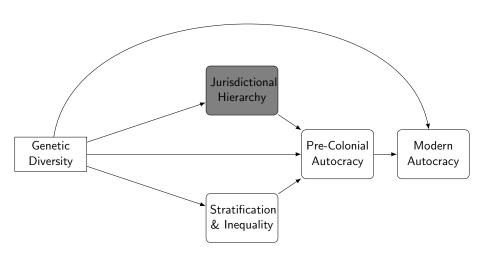






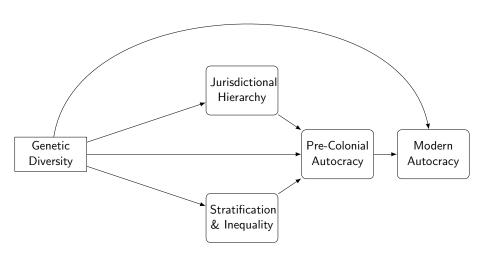


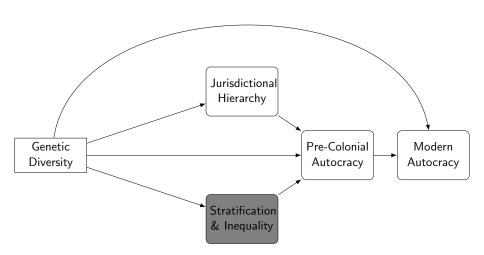




Empirical Analysis - Pre-Colonial Period

Number of levels of jurisdictional hierarchy beyond the local level $[(0-4); EA \ v33]$



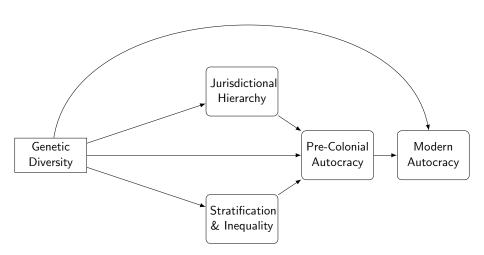


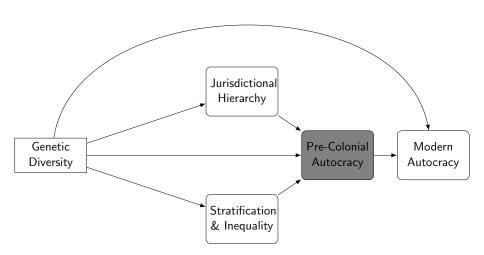
Empirical Analysis - Pre-Colonial Period

• Class stratification [(0-2); EA v66]

Empirical Analysis - Pre-Colonial Period

- Class stratification [(0-2); EA v66]
- Slavery [0-2; EA v70]





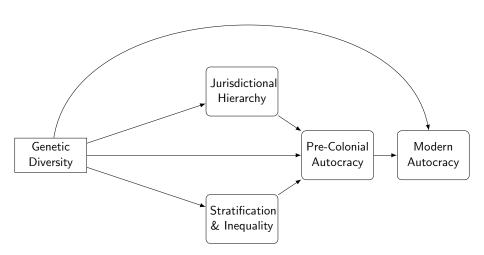
• Absence of checks on leader's power (0-3; SCCS v761)

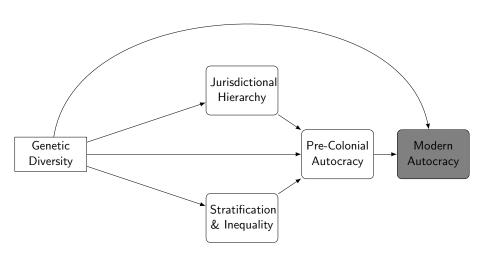
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- Perception of leader's power (0-2; SCCS v759)

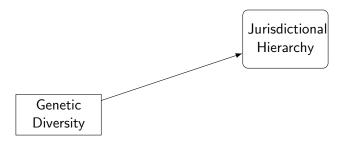




• Autocracy (1994-2013)

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- Constraints on the executive (1994-2013)

Genetic Diversity



Observed Genetic Diversity and Jurisdictional Hierarchy

	I	Log Number	of Levels of	f Jurisdictio	nal Hierarch	у
	(1)	(2)	(3)	(4)	(5)	(6)
Genetic Diversity	2.685*** (0.922)	4.197*** (0.875)	4.350*** (0.908)	7.894*** (2.330)	9.503*** (3.023)	9.645*** (2.828)
Log Absolute Latitude		0.151*** (0.030)	0.153*** (0.032)	0.091** (0.035)	0.079* (0.042)	0.096** (0.043)
Elevation					-0.000 (0.000)	0.000
Terrain Ruggedness					0.000 (0.000)	(0.000)
River Length					(0.000)	(0.001)
River Density					0.017 (0.029)	0.027 (0.023)
Share Desert					-0.167 (0.304)	-0.504** (0.253)
Average Temperature						0.028** (0.011)
Temperature Range						(0.024)
Soil Quality (Climatic) Continental FE	No No	No No	Yes No	Yes Yes	Yes Yes	Yes Yes
N Adjusted R ²	131 0.038	131 0.143	131 0.171	131 0.288	131 0.275	131 0.317

► Levels Specification

→ Ordered Probit

► Ecological Diversity

▶ S.D. of Soil Suitability

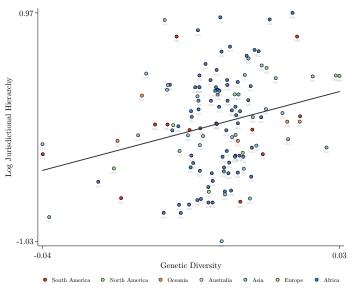
► Major Crop Type



► Excluding Africa

➤ Year in E.A.

Genetic Diversity and Jurisdictional Hierarchy



Observed Genetic Diversity and Jurisdictional Hierarchy — IV Analysis

	Log N	umber of Le	evels of Juris	dictional Hi	erarchy
	(1)	(2)	(3)	(4)	(5)
Genetic Diversity	2.911** (1.161)	4.570*** (1.233)	4.750*** (1.120)	5.407*** (1.504)	5.203*** (1.356)
Log Absolute Latitude	,	0.156*** (0.031)	0.157*** (0.031)	0.144*** (0.035)	0.193** [*] (0.041)
Elevation		(- /)	(- /)	0.000 (0.000)	0.000 (0.000)
Terrain Ruggedness				0.000 (0.000)	0.000 (0.000)
River Length				0.002***	0.003***
River Density				0.029	0.031*
Share Desert				0.107	-0.088 (0.234)
Average Temperature				(0.240)	0.023*** (0.008)
Temperature Range					-0.012 (0.024)
Soil Quality (Climatic)	No	No	Yes	Yes	Yes
N 1 st Stage F-statistic (K-P)	131 237.138	131 194.590	131 177.812	131 188.822	131 173.749

Predicted Genetic Diversity and Jurisdictional Hierarchy

		Log Numbe	r of Levels c	f Jurisdictio	nal Hierarch	у
	(1)	(2)	(3)	(4)	(5)	(6)
Predicted Genetic Diversity	5.121*** (0.293)	5.771*** (0.320)	5.838*** (0.317)	5.496*** (1.010)	5.732*** (1.097)	5.949*** (1.106)
Log Absolute Latitude	, ,	0.068*** (0.013)	0.080*** (0.014)	0.110*** (0.018)	0.109*** (0.019)	0.130*** (0.021)
Elevation		, ,	, ,	, ,	(0.000)	0.000** (0.000)
Terrain Ruggedness					-0.000* (0.000)	-0.000*** (0.000)
River Length					0.003** (0.001)	0.003*** (0.001)
River Density					-0.003 (0.002)	-0.002 (0.002)
Share Desert					0.011 (0.062)	`0.019´ (0.072)
Average Temperature					,	0.007* (0.004)
Temperature Range						-0.020** (0.008)
Soil Quality (Climatic) Continental FE	No No	No No	Yes No	Yes Yes	Yes Yes	Yes Yes
N Adjusted R ²	1,076 0.199	1,076 0.217	1,076 0.225	1,076 0.290	1,076 0.297	1,076 0.300

► Levels Specification

▶ Ordered Probit

➤ Year in E.A.

► Ecological Diversity

▶ S.D. of Soil Suitability

→ Major Crop Type

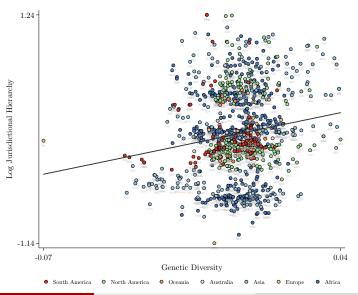


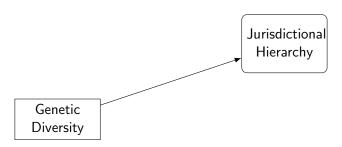
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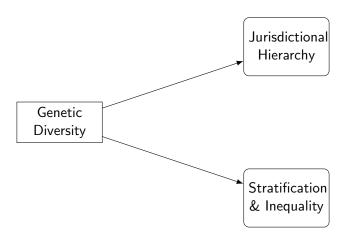
► Excluding Africa



Predicted Genetic Diversity and Jurisdictional Hierarchy







Observed Genetic Diversity and Stratification & Inequality

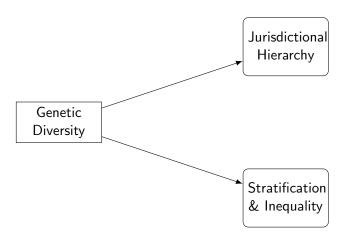
	Social Stratification			Inte	ensity of Sla	very	Intensity of Property Rights			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	
Genetic Diversity	5.663*** (1.511)	6.549*** (2.076)	22.740*** (5.371)	7.239*** (1.373)	9.191*** (2.078)	11.406* (6.149)	3.455*** (0.965)	4.771** (1.839)	10.617** (4.110)	
Log Absolute Latitude	0.263***	0.388***	0.277***	0.188*** (0.053)	0.278***	0.338***	0.077**	0.023 (0.041)	-0.039 (0.046)	
Elevation	(0.030)	0.000**	0.000	(0.033)	0.000	0.000	(0.031)	-0.000** (0.000)	-0.000* (0.000)	
Terrain Ruggedness		0.000	0.000)		0.000	0.000		0.000* (0.000)	0.000)	
River Length		0.003***	0.002*** (0.001)		-0.001 (0.001)	-0.001 (0.001)		-0.001 (0.004)	0.001	
River Density		0.004 (0.035)	0.045 (0.043)		0.079**	0.086**		0.015	0.024	
Share Desert		-0.804** (0.365)	-1.874*** (0.363)		-0.066 (0.467)	0.293 (0.578)		(0.292)	-0.343 (0.327)	
Average Temperature		0.052*** (0.012)	0.055*** (0.015)		0.039*** (0.011)	0.025 (0.016)		-0.013 (0.012)	-0.004 (0.014)	
Temperature Range		-0.077* (0.045)	-0.022 (0.042)		-0.013 (0.039)	-0.031 (0.042)		-0.003 (0.028)	0.003 (0.027)	
Soil Quality (Climatic) Continental FE	Yes No	Yes No	Yes Yes	Yes No	Yes No	Yes Yes	Yes No	Yes No	Yes Yes	
N Adjusted R ²	121 0.155	121 0.218	121 0.322	120 0.182	120 0.277	120 0.285	98 0.174	98 0.162	98 0.233	

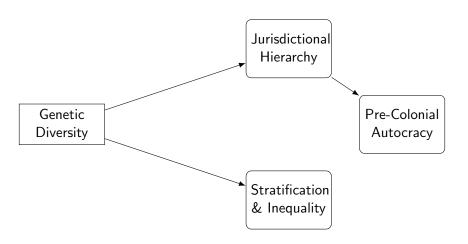
Observed Genetic Diversity and Stratification & Inequality — IV

		ocial fication	Intensity	of Slavery		sity of y Rights
	(1)	(2)	(3)	(4)	(5)	(6)
Genetic Diversity	4.418**	4.856**	6.874***	7.816***	3.670***	4.717***
Log Absolute Latitude	(1.753) 0.251*** (0.054)	(2.184) 0.380*** (0.076)	(1.817) 0.185*** (0.050)	(2.493) 0.272*** (0.072)	(1.110) 0.079*** (0.030)	(1.827) 0.023 (0.037)
Elevation	(0.031)	0.000**	(0.030)	0.000	(0.030)	-0.000**
Terrain Ruggedness		(0.000) -0.000		(0.000) 0.000		(0.000) 0.000*
River Length		(0.000) 0.003*** (0.001)		(0.000) -0.001* (0.001)		(0.000) -0.001 (0.004)
River Density		-0.013		0.065*		`0.014´
Share Desert		(0.031) -0.771** (0.337)		(0.035) -0.042 (0.422)		(0.024) 0.036 (0.266)
Average Temperature		0.052***		0.040***		-0.013
Temperature Range		(0.011) -0.075* (0.042)		(0.010) -0.012 (0.035)		(0.011) -0.003 (0.025)
Soil Quality (Climatic)	Yes	Yes	Yes	Yes	Yes	Yes
N 1 st Stage F-statistic (K-P)	121 156.101	121 151.207	120 168.137	120 155.249	98 102.628	98 73.613

Predicted Genetic Diversity and Stratification & Inequality

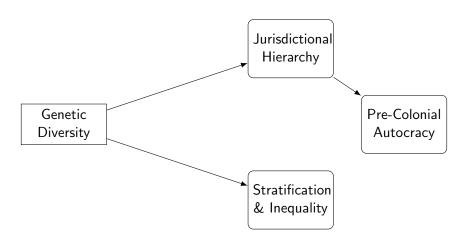
		Social Stratificatio	n	Int	ensity of Sla	very	P	Intensity of Property Rights			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)		
Predicted Genetic Diversity	6.845*** (0.555)	6.529*** (0.553)	9.520*** (2.000)	8.066*** (0.557)	7.618*** (0.571)	7.534*** (2.172)	9.573*** (0.675)	8.537*** (0.650)	3.330** (1.662)		
Log Absolute Latitude	0.182*** (0.022)	0.257***	0.251***	0.027 (0.024)	0.152*** (0.032)	0.198***	-0.054*** (0.019)	0.075***	0.049**		
Elevation	(0.022)	0.000	0.000 (0.000)	(0.024)	0.000	0.000	(0.013)	0.000***	0.000***		
Terrain Ruggedness		0.000***	0.000** (0.000)		0.000*	0.000***		-0.000 (0.000)	-0.000 (0.000)		
River Length		0.003**	0.003**		-0.001 (0.001)	-0.000 (0.001)		0.005** (0.002)	0.003		
River Density		-0.003 (0.002)	-0.005** (0.002)		-0.000 (0.005)	0.001		0.002	0.002)		
Share Desert		-0.064 (0.109)	-0.212* (0.124)		-0.116 (0.113)	0.047 (0.123)		-0.245** (0.117)	-0.359** (0.141)		
Average Temperature		0.018*** (0.005)	0.124) 0.019*** (0.006)		0.026*** (0.004)	0.019*** (0.006)		0.032*** (0.004)	0.019***		
Temperature Range		-0.090*** (0.014)	-0.068*** (0.016)		-0.052*** (0.013)	-0.077*** (0.014)		-0.074*** (0.010)	-0.037*** (0.011)		
Soil Quality (Climatic) Continental FE	Yes No	Yes No	Yes Yes	Yes No	Yes No	Yes Yes	Yes No	Yes No	Yes Yes		
N Adjusted R ²	982 0.127	982 0.215	982 0.229	979 0.208	979 0.266	979 0.330	685 0.389	685 0.476	685 0.513		

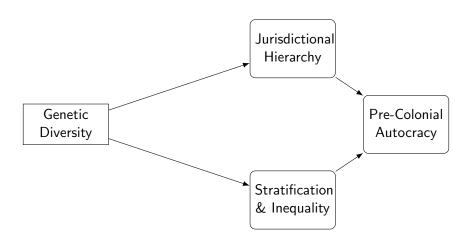




Jurisdictional Hierarchy and Autocratic Institutions

	Degree of Absence of Checks on Leader's Power		Remo	Difficulty of Removal of Leaders		Leader's Exercise of Authority		of Lack of munity isions	Perception of Leader's Power	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Log Levels of Jurisdictional Hiearchy	0.853***	0.738***	0.941***	0.802***	0.947***	0.904***	0.907***	0.896***	0.842***	0.841***
Log Absolute Latitude	(0.166) -0.030 (0.083)	(0.167) -0.119 (0.149)	(0.206) 0.061 (0.088)	(0.212) 0.069 (0.142)	(0.133) -0.116 (0.070)	(0.145) -0.071 (0.123)	(0.136) -0.162** (0.063)	(0.155) -0.100 (0.097)	(0.145) -0.026 (0.074)	(0.157) 0.039 (0.115)
Elevation	()	-0.000	()	-0.000	(====)	-0.000´	()	`0.000	(=====)	`0.000
Terrain Ruggedness		(0.000) 0.000 (0.000)		(0.000) 0.000* (0.000)		(0.000) 0.000 (0.000)		(0.000) 0.000 (0.000)		(0.000) -0.000 (0.000)
River Length		0.007		-0.008 (0.010)		-0.000 (0.005)		-0.007 (0.007)		0.006
River Density		-0.022 (0.050)		-0.001 (0.033)		0.003 (0.032)		(0.032)		(0.000)
Share Desert		`0.293		`0.271		-0.509		`0.100′		`0.149
Average Temperature		(0.462) -0.004 (0.016)		(0.578) 0.012 (0.017)		(0.453) 0.018 (0.015)		(0.389) 0.012 (0.012)		(0.426) 0.008 (0.014)
Temperature Range		0.079 (0.060)		0.058 (0.067)		0.048 (0.057)		-0.016 (0.050)		-0.051 (0.044)
Soil Quality (Climatic)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
N Adjusted R ²	78 0.223	78 0.243	71 0.207	71 0.271	79 0.360	79 0.338	82 0.391	82 0.360	82 0.341	82 0.286





Social Strata and Autocratic Institutions

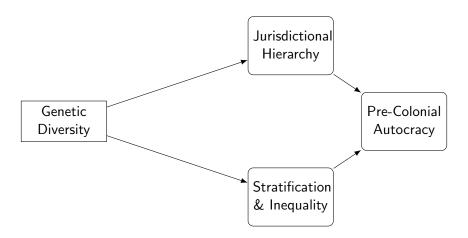
	of Ch	of Absence ecks on 's Power	Remo	ulty of oval of ders		Exercise thority	Comr	f Lack of nunity sions		otion of s Power
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Social Stratification	0.532*** (0.099)	0.480*** (0.104)	0.532*** (0.122)	0.412*** (0.149)	0.486*** (0.095)	0.451*** (0.109)	0.507*** (0.086)	0.537*** (0.103)	0.428*** (0.103)	0.504*** (0.104)
Log Absolute Latitude	-0.053 (0.089)	-0.064 (0.153)	0.057 (0.090)	0.093	-0.132 (0.082)	-0.029 (0.139)	-0.189*** (0.065)	-0.066 (0.099)	-0.049 (0.077)	0.071
Elevation	(0.003)	0.000	(0.030)	0.000	(0.002)	0.000	(0.000)	0.000*	(0.011)	0.001**
Terrain Ruggedness		0.000		0.000		0.000		-0.000 (0.000)		-0.000**
River Length		(0.008)		-0.002 (0.010)		(0.007)		-0.000 (0.006)		0.012*
River Density		-0.004 (0.049)		0.011 (0.035)		(0.007)		0.044 (0.039)		0.013
Share Desert		0.537 (0.455)		0.338		-0.388 (0.532)		0.287		0.324 (0.447)
Average Temperature		0.003		0.016		0.024		0.018		0.013
Temperature Range		0.015 (0.057)		0.036 (0.069)		0.002 (0.057)		-0.079* (0.044)		-0.109** (0.047)
Soil Quality (Climatic)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
N Adjusted R ²	78 0.245	78 0.254	71 0.167	71 0.200	79 0.256	79 0.206	82 0.345	82 0.325	82 0.260	82 0.258

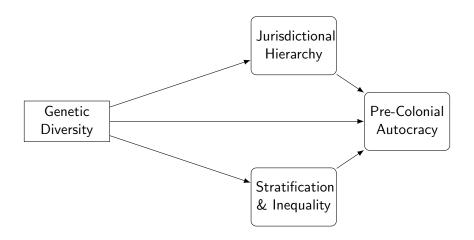
Slavery and Autocratic Institutions

	Degree of Absence of Checks on Leader's Power		Remo	Difficulty of Removal of Leaders		Leader's Exercise of Authority		of Lack of nunity sions	Perception of Leader's Power	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Intensity of Slavery	0.332*** (0.116)	0.251* (0.130)	0.588*** (0.128)	0.525*** (0.143)	0.360*** (0.106)	0.297** (0.123)	0.413*** (0.099)	0.402*** (0.112)	0.322*** (0.105)	0.326*** (0.117)
Log Absolute Latitude	-0.010 (0.095)	-0.139 (0.190)	0.107 (0.075)	0.041 (0.115)	-0.085 (0.086)	-0.098 (0.167)	-0.140* (0.076)	-0.107 (0.110)	-0.008 (0.085)	0.033
Elevation	(0.093)	-0.000 (0.000)	(0.073)	-0.000 (0.000)	(0.000)	-0.000 (0.000)	(0.070)	0.000	(0.003)	0.000
Terrain Ruggedness		0.000		0.000*		0.000		0.000		-0.000 (0.000)
River Length		0.013		-0.008 (0.012)		0.006 (0.009)		-0.002 (0.006)		0.011
River Density		-0.045 (0.053)		-0.004 (0.035)		-0.023 (0.035)		0.012 (0.043)		-0.018 (0.038)
Share Desert		0.307		0.268		-0.578 (0.513)		0.218 (0.413)		0.253
Average Temperature		-0.007 (0.020)		0.000		0.013		0.008		0.005 (0.017)
Temperature Range		0.094 (0.074)		0.082 (0.068)		0.074 (0.071)		-0.026 (0.048)		-0.058 (0.061)
Soil Quality (Climatic)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
N Adjusted R ²	77 0.082	77 0.076	70 0.254	70 0.254	78 0.139	78 0.100	81 0.229	81 0.159	81 0.167	81 0.105

Property Rights and Autocratic Institutions

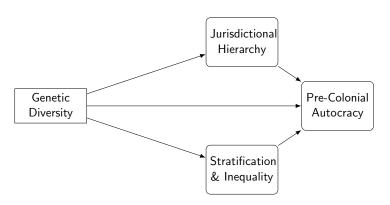
	Degree of Absence of Checks on Leader's Power		Remo	Difficulty of Removal of Leaders		Leader's Exercise of Authority		of Lack of nunity sions	Perception of Leader's Power	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Intensity of Property Rights	0.406*** (0.108)	0.422*** (0.112)	0.505*** (0.136)	0.426*** (0.131)	0.500*** (0.103)	0.520*** (0.104)	0.653*** (0.092)	0.657*** (0.102)	0.409*** (0.106)	0.442*** (0.125)
Log Absolute Latitude	(0.102)	0.006 (0.200)	(0.120)	0.017 (0.172)	(0.024)	0.154 (0.162)	-0.029 (0.079)	0.137 (0.131)	0.013 (0.113)	0.159
Elevation	()	-0.001 (0.000)	()	-0.001 (0.001)	()	-0.000 (0.000)	()	(0.000)	()	0.000
Terrain Ruggedness		0.000 (0.000)		0.000* (0.000)		0.000 (0.000)		-0.000 (0.000)		-0.000 (0.000)
River Length		0.014** (0.006)		0.005 (0.009)		0.013* (0.007)		(0.008) (0.007)		0.019***
River Density		-0.049 (0.040)		-0.033 (0.030)		-0.041 (0.037)		-0.014 (0.065)		-0.036 (0.033)
Share Desert		-0.077 (0.555)		-0.040 (0.949)		-1.053 (0.659)		-0.396 (0.519)		-0.297 (0.666)
Average Temperature		0.005 (0.024)		0.017 (0.027)		(0.037)		(0.032) (0.020)		(0.026)
Temperature Range		0.121* (0.070)		0.134 (0.110)		`0.077´ (0.080)		-0.014 (0.071)		-0.044 (0.081)
Soil Quality (Climatic)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
N Adjusted R ²	62 0.192	62 0.248	55 0.180	55 0.234	61 0.223	61 0.265	63 0.422	63 0.385	63 0.191	63 0.146

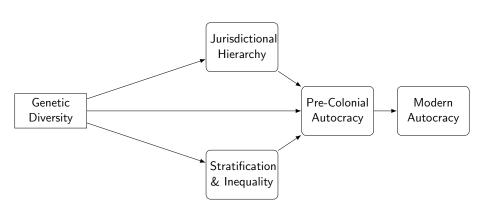




Predicted Genetic Diversity and Autocratic Institutions

	of Che	f Absence ecks on s Power	Difficu Remo Lead	val of		Exercise thority	Comr	Degree of Lack of Community Decisions		Perception of Leader's Power	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
Predicted Genetic Diversity	6.317*** (2.101)	5.042** (2.306)	7.374*** (2.222)	5.858** (2.236)	6.048*** (1.895)	5.489*** (1.984)	6.589*** (1.514)	6.023*** (1.679)	5.529*** (1.753)	5.504** (2.094)	
Log Absolute Latitude	0.035	-0.080 (0.189)	0.143	0.111 (0.148)	-0.053 (0.091)	-0.030 (0.173)	-0.100 (0.069)	-0.044 (0.120)	0.026	0.090	
Elevation	(0.033)	-0.000 (0.000)	(0.032)	-0.000	(0.031)	-0.000 (0.000)	(0.003)	0.000	(0.007)	0.000	
Terrain Ruggedness		0.000*		0.000**		0.000		0.000		-0.000 (0.000)	
River Length		0.013		-0.000 (0.010)		0.008		0.001		0.014*	
River Density		-0.061 (0.050)		-0.031 (0.040)		-0.044 (0.033)		-0.016 (0.041)		-0.043 (0.033)	
Share Desert		0.235		0.157		-0.561 (0.543)		0.072		0.125	
Average Temperature		-0.003 (0.020)		0.014		0.020		0.015 (0.015)		0.011	
Temperature Range		0.091 (0.068)		0.087 (0.067)		0.061 (0.063)		-0.013 (0.049)		-0.047 (0.054)	
Soil Quality (Climatic)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
N Adjusted R ²	78 0.067	78 0.111	71 0.079	71 0.168	79 0.121	79 0.109	82 0.198	82 0.146	82 0.164	82 0.108	





Persistence of Autocracy

		Full S	Old World			
	Executive Constraints		Auto	ocracy	Executive Constraints	Autocracy
	(1)	(2)	(3)	(4)	(5)	(6)
Degree of Absence of Checks on Leader's Power Degree of Absence of Checks on Leader's Power (Ancestry Adjusted)	-0.183*** (0.050)	-0.191*** (0.054)	0.521*** (0.105)	0.556*** (0.118)	-0.199*** (0.053)	0.555*** (0.113)
N Adjusted R ²	48 0.149	48 0.124	48 0.239	48 0.210	38 0.184	38 0.288

► Indigenous Autocracy

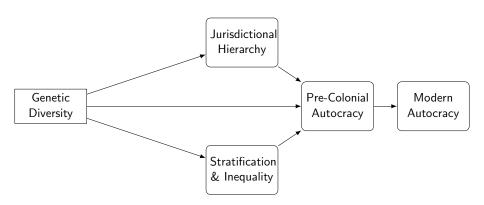
► Indigenous Democracy (Nunn)

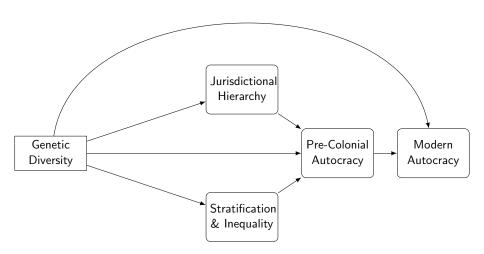
Persistence of Autocracy — Continental FE

		Full S		Old World		
	Executive Constraints		Auto	cracy	Executive Constraints	Autocracy
	(1)	(2)	(3)	(4)	(5)	(6)
Degree of Absence of Checks on Leader's Power Degree of Absence of Checks on Leader's Power (Ancestry Adjusted)	-0.129** (0.049)	-0.132** (0.056)	0.378*** (0.107)	0.396*** (0.120)	-0.151** (0.059)	0.410*** (0.128)
Continental FE	Yes	Yes	Yes	Yes	Yes	Yes
N Adjusted R ²	48 0.250	48 0.236	48 0.414	48 0.398	38 0.124	38 0.325

► Indigenous Autocracy

► Indigenous Democracy (Nunn)





Predicted Genetic Diversity and Constraint on the Executive (1994–2013)

	Log Constraint on Chief Executive									
	(1)	(2)	(3)	(4)	(5)	(6)	(7)			
Predicted Genetic Diversity	-4.050*** (0.825)	-4.094*** (0.836)	-2.814*** (0.888)	-2.804*** (0.867)	-3.280** (1.435)	-3.356** (1.350)	-3.808*** (1.364)			
Log Absolute Latitude	()	0.094*** (0.028)	0.055* (0.030)	-0.059 (0.042)	0.022 (0.042)	0.018 (0.038)	0.020 (0.040)			
Soil Fertility		()	0.500** (0.242)	0.415* (0.230)	0.166 (0.208)	(0.310)	0.365 (0.232)			
Roughness			0.135 (0.316)	(0.326)	(0.341)	(0.297)	0.185 (0.288)			
Elevation			-0.065 (0.095)	-0.103 (0.095)	-0.008 (0.110)	-0.062 (0.103)	-0.077 (0.091)			
Average Distance to Nearest Waterway			-0.170* (0.094)	-0.248*** (0.090)	-0.161* (0.085)	-0.070 (0.091)	-0.130 (0.081)			
Percentage of Arable Land			`0.002´ (0.002)	0.001 (0.002)	0.002 (0.003)	0.002 (0.002)	0.002 (0.003)			
Temperature			,	-0.020*** (0.005)	-0.007 (0.009)	-0.009 (0.010)	-0.017** (0.008)			
Colony				(* ***)	()	(0.228** (0.099)			
Continental FE Legal Origin FE	No No	No No	No No	No No	Yes No	Yes Yes	Yes Yes			
N .	145	145	145	145	145	145	130			
Adjusted R ²	0.068	0.108	0.221	0.292	0.405	0.456	0.508			

► Constraint on the Executive in 2013

→ Accounting for GDP

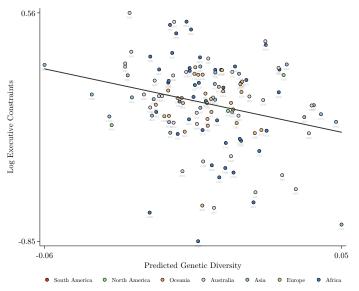
► Accounting for Schooling

▶ Accounting for Ethnic Fractionalization

► Accounting for Percentage of Land near a Waterway

g for Soil Suitability Gini Accounting for Colonizer Nation

Predicted Diversity and Constraint on the Executive (1994–2013)



Predicted Diversity and Constraint on the Executive (1994–2013) — IV

			Log Const	raint on Chie	f Executive		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Predicted Genetic Diversity	-6.305*** (1.209)	-6.586*** (1.196)	-5.376*** (1.427)	-5.401*** (1.320)	-7.169*** (2.396)	-6.964*** (2.208)	-7.203*** (2.302)
Log Absolute Latitude	(1.203)	0.095***	0.057*	-0.057	0.042	0.036	0.029
Soil Fertility		(0.029)	(0.030) 0.419*	(0.041) 0.333	(0.043) 0.066	(0.037) 0.216	(0.038) 0.331
Roughness			(0.249) 0.005 (0.308)	(0.238) -0.093 (0.318)	(0.227) 0.480 (0.333)	(0.219) 0.519* (0.305)	(0.231) 0.192 (0.296)
Elevation			-0.036	-0.073	-0.026	-0.086	-0.090
Average Distance to Nearest Waterway			(0.095) -0.150 (0.093)	(0.096) -0.228** (0.091)	(0.107) -0.137* (0.083)	(0.101) -0.050 (0.088)	(0.086) -0.115 (0.076)
Percentage of Arable Land			0.003 (0.003)	0.002 (0.003)	0.003 (0.003)	0.003 (0.003)	0.002 (0.003)
Temperature			(0.003)	-ò.020***	-0.007	-0.011	-Ò.018***
Colony				(0.005)	(0.009)	(0.010)	(0.007) 0.201** (0.090)
Continental FE Legal Origin FE	No No	No No	No No	No No	Yes No	Yes Yes	Yes Yes
N 1 st Stage F-statistic (K-P)	145 64.417	145 63.948	145 53.813	145 53.402	145 62.574	145 57.369	130 40.198

Predicted Genetic Diversity and Autocracy (1994–2013)

	Log Autocracy								
	(1)	(2)	(3)	(4)	(5)	(6)	(7)		
Predicted Genetic Diversity	8.745*** (1.826)	8.814*** (1.862)	6.173*** (2.039)	6.153*** (2.016)	6.844** (3.035)	6.979** (2.693)	6.591** (2.928)		
Log Absolute Latitude	(1.020)	-0.149*** (0.051)	-0.061 (0.055)	0.160**	-0.048 (0.081)	-0.036 (0.073)	-0.045 (0.078)		
Soil Fertility		(0.051)	-ì.281* [*] *	-1.117**	-0.422	-0.761* [*]	-0.708		
Roughness			(0.482) -0.244	(0.461) -0.056	(0.382)	(0.379) -0.875	(0.465) -0.729		
Elevation			(0.705) 0.306	(0.722) 0.380*	(0.680) 0.188	(0.603) 0.303*	(0.579) 0.310*		
Average Distance to Nearest Waterway			(0.195) 0.203	(0.198) 0.355**	(0.201) 0.154	(0.182)	(0.163)		
Percentage of Arable Land			(0.185)	(0.177) 0.001	(0.149)	(0.162)	(0.153)		
Temperature			(0.005)	(0.005) 0.039***	(0.005) 0.013	(0.005) 0.021	(0.006) 0.029*		
Colony				(0.011)	(0.017)	(0.017)	(0.015) -0.445** (0.192)		
Continental FE Legal Origin FE	No No	No No	No No	No No	Yes No	Yes Yes	Yes Yes		
N Adjusted R ²	145 0.074	145 0.095	145 0.208	145 0.269	145 0.440	145 0.507	130 0.534		



► Accounting for GDP

Democrac

Predicted Diversity and Autocracy (1994–2013) — IV

			Lo	og Autocracy			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Predicted Genetic Diversity	14.510*** (2.614)	14.958*** (2.609)	12.215*** (3.206)	12.262*** (3.036)	11.767** (5.087)	11.258** (4.382)	10.953** (4.837)
Log Absolute Latitude	(2.011)	-0.151*** (0.053)	-0.066 (0.053)	0.154** (0.070)	-0.074 (0.077)	-0.057 (0.067)	-0.057 (0.069)
Soil Fertility		(0.000)	-1.090** (0.494)	-0.924* (0.476)	-0.294 (0.396)	-0.649* (0.388)	-0.664 (0.442)
Roughness			0.063	0.254 (0.723)	-1.021 (0.655)	-1.037* (0.580)	-0.738 (0.577)
Elevation			0.237 (0.198)	0.310 (0.202)	0.211 (0.192)	0.332*	0.326**
Average Distance to Nearest Waterway			`0.156´	0.307*	0.124	-0.074	-0.045
Percentage of Arable Land			(0.184) -0.004	(0.178) -0.002	(0.145) -0.005	(0.156) -0.005	(0.145) -0.006
Temperature			(0.005)	(0.005) 0.039***	(0.005) 0.013	(0.004) 0.022	(0.005) 0.031**
Colony				(0.010)	(0.016)	(0.016)	(0.014) -0.410** (0.181)
Continental FE Legal Origin FE	No No	No No	No No	No No	Yes No	Yes Yes	Yes Yes
N 1 st Stage <i>F</i> -statistic (K-P)	145 64.417	145 63.948	145 53.813	145 53.402	145 62.574	145 57.369	130 40.198

 The migration out of Africa affected the distribution of genetic diversity and the distribution of autocracy across countries and regions

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- Diversity within a group enhances the:
 - Desirability of a code of conduct

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• Expected heterozygosity calculated for the 232 ethnic groups using allelic frequencies for 645 microsatellite loci

▶ Diversity in Height

▶ Phenotypic Var.

→ Phenotypic Var. (climate-corrected)

- Expected heterozygosity calculated for the 232 ethnic groups using allelic frequencies for 645 microsatellite loci
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 - Permitting an exploration of the effect of GD on economic outcomes

Diversity in Height Phenotypic Var. Phenotypic Var. (climate-corrected) Phenotypic Div.

Jurisdictional Hierarchy

Jurisdictional Hierarchy Beyond Local Community (EA var. 33)

- 0: No levels (no political authority beyond community)
- 1: One level (e.g., petty chiefdoms)
- 2: Two levels (e.g., larger chiefdoms)
- 3: Three levels (e.g., states)
- 4: Four levels (e.g., large states)

▶ Return

Class Stratification

Class Stratification (EA var. 66)

- 0: Absence among freemen
- 1: Wealth distinctions or elite (i.e., based on control of land or other resources)
- 2: Dual (hereditary aristocracy) or complex (social classes)

▶ Return

Slavery

Slavery (EA var. 70)

- 0: Absence or near absence
- 1: Incipient, nonhereditary or reported (but type not identified)
- 2: Hereditary and socially significant

▶ Return

Intensity of Property Rights

Inheritance Rule for Real Property (Land) (EA var. 74) and Inheritance Rule for Movable Property (EA var. 76)

- 0: Absence of individual property rights or rules
- 1: Presence of individual property rights or rules for either real or movable property
- 2: Presence of individual property rights or rules for both real and movable property

▶ Return

Diversity and Jurisdictional Hierarchy — Levels Specification

		Number	of Levels o	f Jurisdiction	al Hierarchy	
	(1)	(2)	(3)	(4)	(5)	(6)
Genetic Diversity	4.308**	7.595***	8.109***	17.567***	19.777***	20.081***
Log Absolute Latitude	(2.065)	(2.021) 0.329*** (0.069)	(1.919) 0.337*** (0.080)	(5.280) 0.181** (0.076)	(6.844) 0.140 (0.089)	(6.335) 0.191** (0.093)
Elevation		(0.003)	(0.000)	(0.010)	-0.000	`0.000
Terrain Ruggedness					(0.000) 0.000 (0.000)	(0.000) 0.000 (0.000)
River Length					0.004***	0.007***
River Density					(0.001) 0.009 (0.071)	(0.002) 0.034 (0.055)
Share desert					-0.499 (0.677)	-1.284** (0.588)
Average Temperature					(0.077)	Ò.069**
Temperature Range						(0.026) 0.026 (0.053)
Soil Quality (Climatic) Continental FE	No No	No No	Yes No	Yes Yes	Yes Yes	Yes Yes
N Adjusted R ²	131 0.017	131 0.120	131 0.129	131 0.249	131 0.249	131 0.304



Diversity and Jurisdictional Hierarchy — Ordered Probit

		Number	of Levels of	Jurisdictional	Hierarchy	
	(1)	(2)	(3)	(4)	(5)	(6)
Genetic Diversity	5.195** (2.436)	10.143*** (3.139)	12.350*** (3.022)	29.074*** (8.399)	33.998*** (10.047)	31.789*** (9.652)
Log Absolute Latitude	(2.430)	0.379*** (0.089)	0.443*** (0.101)	0.304***	0.268**	0.333**
Elevation		(0.009)	(0.101)	(0.099)	-0.000 (0.000)	0.000
Terrain Ruggedness					0.000)	0.000)
River Length					0.006***	0.022*
River Density					-0.170 (0.109)	-0.066 (0.106)
Share Desert					-0.711 (0.659)	-1.385** (0.661)
Average Temperature					(0.039)	0.081* (0.042)
Temperature Range						0.031 (0.063)
Soil Quality (Climatic) Continental FE	No No	No No	Yes No	Yes Yes	Yes Yes	Yes Yes
N Adjusted R2	131	131	131	131	131	131



Predicted Diversity and Jurisdictional Hierarchy — Levels Specification

		Number	of Levels of .	Jurisdictional	Hierarchy	
	(1)	(2)	(3)	(4)	(5)	(6)
Predicted Genetic Diversity	9.357***	10.779***	10.879***	11.149***	11.390***	11.810***
Log Absolute Latitude	(0.600)	(0.684) 0.149***	(0.673) 0.175***	(2.144) 0.214***	(2.369) 0.209***	(2.417) 0.250***
Elevation		(0.028)	(0.030)	(0.037)	(0.038) 0.000 (0.000)	(0.043) 0.000*
Terrain Ruggedness					-0.000* (0.000)	(0.000) -0.000** (0.000)
River Length					0.007***	0.008***
River Density					(0.003) -0.010*	(0.003) -0.009*
Share desert					(0.005) 0.012 (0.132)	(0.005) 0.027 (0.156)
Average Temperature					(0.132)	`0.013
Temperature Range						(0.008) -0.039** (0.017)
Soil Quality (Climatic) Continental FE	No No	No No	Yes No	Yes Yes	Yes Yes	Yes Yes
N Adjusted R ²	1,076 0.158	1,076 0.179	1,076 0.185	1,076 0.269	1,076 0.285	1,076 0.287



Predicted Diversity and Jurisdictional Hierarchy — Ordered Probit

		Number	of Levels of J	urisdictional	Hierarchy	
	(1)	(2)	(3)	(4)	(5)	(6)
Predicted Genetic Diversity	12.672*** (0.968)	15.294*** (1.285)	15.774*** (1.274)	12.562*** (2.626)	13.713*** (2.987)	14.761*** (3.062)
Log Absolute Latitude Elevation		0.208*** (0.039)	0.245*** (0.041)	0.278*** (0.049)	0.269*** (0.052) 0.000	0.341*** (0.062) 0.000**
Terrain Ruggedness					(0.000) -0.000 (0.000)	(0.000) -0.000** (0.000)
River Length					0.017*** (0.005)	0.020*** (0.005)
River Density					-0.013* (0.007)	-0.013* (0.007)
Share Desert					-0.003 (0.187)	-0.004 (0.207)
Average Temperature					(0.107)	0.024**
Temperature Range						-0.062*** (0.022)
Soil Quality (Climatic) Continental FE	No No	No No	Yes No	Yes Yes	Yes Yes	Yes Yes
N Adjusted R2	1,076	1,076	1,076	1,076	1,076	1,076



Diversity and Jurisdictional Hierarchy — Accounting for Ecological Diversity

		Log Number	of Levels of	Jurisdiction	nal Hierarch	у
	(1)	(2)	(3)	(4)	(5)	(6)
Genetic Diversity	2.482***	3.993***	4.113***	7.766***	9.327***	9.370***
Any Diversity (FAO)	(0.949) 0.506*** (0.127)	(0.878) 0.635*** (0.196)	(0.918) 0.636** (0.244)	(2.356) 0.215 (0.178)	(3.199) 0.128 (0.264)	(2.980) 0.208 (0.284)
Log Absolute Latitude	(0.121)	0.156*** (0.030)	0.155*** (0.032)	0.093**	0.081*	0.097**
Elevation		(0.030)	(0.032)	(0.030)	-0.000 (0.000)	0.000
Terrain Ruggedness					0.000	0.000)
River Length					0.001*** (0.000)	0.003**
River Density					0.016 (0.030)	(0.001) 0.025 (0.024)
Share Desert					-0.164	-0.508**
Average Temperature					(0.306)	(0.254) 0.027**
Temperature Range						(0.011) 0.019 (0.026)
Soil Quality (Climatic) Continental FE	No No	No No	Yes No	Yes Yes	Yes Yes	Yes Yes
N Adjusted R ²	131 0.043	131 0.156	131 0.184	131 0.283	131 0.268	131 0.312



Predicted Diversity and Jurisdictional Hierarchy — Accounting for Ecological Diversity

		Log Number	of Levels o	f Jurisdiction	nal Hierarch	у
	(1)	(2)	(3)	(4)	(5)	(6)
Predicted Genetic Diversity	5.068***	5.705***	5.773***	5.043***	5.344***	5.601***
Any Diversity (FAO)	(0.294) 0.147*** (0.043)	(0.320) 0.135*** (0.043)	(0.317) 0.119*** (0.045)	(1.006) 0.186*** (0.045)	(1.094) 0.172*** (0.046)	(1.099) 0.178*** (0.046)
Log Absolute Latitude	(0.043)	0.066***	0.078***	0.105***	0.104***	0.127***
Elevation		(0.013)	(0.014)	(0.018)	(0.019) 0.000 (0.000)	(0.021) 0.000** (0.000)
Terrain Ruggedness					-0.000´	-ò.000* [*]
River Length					(0.000) 0.002** (0.001)	(0.000) 0.003*** (0.001)
River Density					-0.002	-0.002
Share Desert					(0.002) 0.017 (0.063)	(0.002) 0.014 (0.072)
Average Temperature					(0.000)	Ò.008**
Temperature Range						(0.004) -0.020** (0.008)
Soil Quality (Climatic) Continental FE	No No	No No	Yes No	Yes Yes	Yes Yes	Yes Yes
N Adjusted R ²	1,076 0.204	1,076 0.222	1,076 0.228	1,076 0.299	1,076 0.305	1,076 0.308



Observed Diversity and Jurisdictional Hierarchy — Accounting for SD of Soil Suitability

	L	og Number	of Levels of	Jurisdictio	nal Hierarc	hy
	(1)	(2)	(3)	(4)	(5)	(6)
Genetic Diversity	2.623***	4.282***	4.181***	6.313**	7.673**	7.655***
Log Absolute Latitude	(0.929)	(0.953) 0.158***	(1.016) 0.143***	(2.416) 0.084**	(2.975) 0.053	(2.905) 0.082*
Elevation		(0.031)	(0.034)	(0.038)	(0.044) -0.000	(0.049) 0.000
Terrain Ruggedness					(0.000)	(0.000) 0.000
River Length					(0.000) 0.001	(0.000) 0.002***
River Density					(0.001) -0.006	(0.001) 0.005
Share Desert					(0.037) -0.396	(0.031) -0.751***
Average Temperature					(0.291)	(0.239) 0.030***
Temperature Range						(0.011) -0.001 (0.027)
Soil Suitability SD FE Soil Quality (Climatic) Continental FE	Yes No No	Yes No No	Yes Yes No	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes
N Adjusted R ²	131 0.095	131 0.205	131 0.230	131 0.321	131 0.311	131 0.359



Observed Diversity and Jurisdictional Hierarchy — Accounting for SD of Soil Suitability

		Log Numbe	r of Levels o	f Jurisdictio	nal Hierarch	y
	(1)	(2)	(3)	(4)	(5)	(6)
Predicted Genetic Diversity	5.062***	5.720***	5.719***	4.093***	4.694***	4.840***
Log Absolute Latitude	(0.294)	(0.323) 0.070*** (0.014)	(0.321) 0.069*** (0.015)	(1.060) 0.097*** (0.018)	(1.129) 0.097*** (0.019)	(1.125) 0.123*** (0.021)
Elevation		(0.014)	(0.013)	(0.010)	-0.000	Ò.000**
Terrain Ruggedness					(0.000) -0.000 (0.000)	(0.000) -0.000** (0.000)
River Length					ò.002**	0.003***
River Density					(0.001) -0.001 (0.002)	(0.001) -0.001 (0.002)
Share Desert					-0.005	-0.003
Average Temperature Temperature Range					(0.065)	(0.073) 0.009** (0.004) -0.026*** (0.008)
Soil Suitability SD FE Soil Quality (Climatic) Continental FE	Yes No No	Yes No No	Yes Yes No	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes
N Adjusted R ²	1,076 0.214	1,076 0.232	1,076 0.237	1,076 0.309	1,076 0.313	1,076 0.319



Observed Genetic Diversity and Jurisdictional Hierarchy — Accounting for Crop Type

		Log Numbe	r of Levels o	f Jurisdictio	nal Hierarch	у
	(1)	(2)	(3)	(4)	(5)	(6)
Genetic Diversity	2.190** (0.972)	3.631*** (1.027)	3.734*** (1.002)	7.543*** (2.448)	8.834*** (3.263)	9.723*** (2.983)
Tree Fruits	-0.117 (0.326)	-0.171 (0.349)	0.004 (0.373)	0.265 (0.342)	0.253 (0.360)	0.166 (0.359)
Roots or Tubers	-0.016 (0.169)	-0.028 (0.178)	0.128 (0.171)	0.115	(0.262)	-0.041 (0.240)
Cereal Grains	0.301**	0.181	0.316**	0.139	0.133	-0.026 (0.191)
Log Absolute Latitude	(0.141)	0.125***	0.116***	0.079*	0.069	0.103**
Elevation		(0.033)	(0.039)	(0.043)	-0.000	0.000
Terrain Ruggedness					0.000	0.000
River Length					0.001***	0.003*** (0.001)
River Density					0.015	0.029
Share Desert					-0.167 (0.317)	-0.509* (0.271)
Average Temperature					(0.511)	0.028**
Temperature Range						0.015 (0.025)
Soil Quality (Climatic) Continental FE	No No	No No	Yes No	Yes Yes	Yes Yes	Yes Yes
N Adjusted R ²	131 0.092	131 0.154	131 0.190	131 0.274	131 0.260	131 0.300



Predicted Genetic Diversity and Jurisdictional Hierarchy — Accounting for Crop Type

	1	Log Number	r of Levels o	f Jurisdictio	nal Hierarch	у
	(1)	(2)	(3)	(4)	(5)	(6)
Predicted Genetic Diversity	3.846***	4.833***	4.910***	5.923***	6.125***	5.903***
Non Food Crops Only	(0.356) 0.694*** (0.086)	(0.388) 0.743*** (0.138)	(0.385) 0.705*** (0.102)	(1.045) 0.650*** (0.058)	(1.113) 0.647*** (0.062)	(1.112) 0.638*** (0.063)
Vegetables	0.302**	0.359***	0.385***	0.220*	0.237*	0.269**
Tree Fruits	(0.152) 0.198***	(0.107) 0.390***	(0.111) 0.394***	(0.122) 0.264***	(0.135) 0.262***	(0.132) 0.252***
Roots or Tubers	(0.069) 0.186*** (0.035)	(0.073) 0.361*** (0.046)	(0.073) 0.361*** (0.045)	(0.079) 0.249*** (0.060)	(0.080) 0.249*** (0.060)	(0.081) 0.245*** (0.063)
Cereal Grains	0.345*** (0.036)	(0.038)	0.396*** (0.038)	0.301*** (0.045)	0.300***	0.315***
Log Absolute Latitude	(0.030)	0.112***	0.117***	0.108***	0.105***	0.111***
Elevation		(0.017)	(0.017)	(0.020)	(0.020) 0.000	(0.022) 0.000
Terrain Ruggedness					(0.000) -0.000	(0.000) -0.000*
River Length					(0.000) 0.003**	(0.000) 0.003**
River Density					(0.001) -0.003	(0.001) -0.003
Share Desert					(0.002) -0.040	(0.002) 0.044
Average Temperature					(0.059)	(0.071) -0.000
Temperature Range						(0.004) -0.021** (0.008)
Soil Quality (Climatic) Continental FE	No No	No No	Yes No	Yes Yes	Yes Yes	Yes Yes
N Adjusted R ²	1,076 0.254	1,076 0.291	1,076 0.292	1,076 0.317	1,076 0.323	1,076 0.326



Observed Genetic Diversity and Jurisdictional Hierarchy — Accounting for Scale

		Log Numbe	r of Levels o	f Jurisdiction	al Hierarchy	
	(1)	(2)	(3)	(4)	(5)	(6)
Genetic Diversity Area Size of Local Community: Fewer than 50 Size of Local Community: 50-99 Size of Local Community: 50-99 Size of Local Community: 200-399 Size of Local Community: 400-1,000 Size of Local Community: 400-1,000 Size of Local Community: 1,000 w/o Towns over 5,000 Size of Local Community: 7,000 w/o Towns over 5,000 Size of Local Community: Cities of 50,000 or more Local Community: Cities of 50,000 or more Elevation Terrain Raggedness River Length River Density Share Desert Average Temperature Temperature Range	2.899*** (0.723) (0.723) (0.723) (0.000) (0.000) (0.000) (0.000) (0.105) (0.125) (0.121) (0.120) (0.12	3.845**** (0.800) (0.000) (0.000) (0.000) (0.000) (0.000) (0.000) (0.000) (0.114) (0.113) (0.119) (0.119) (0.118) (0.157** (0.073) (0.661** (0.0825) (0.0825) (0.0825) (0.0824)	3.819**** (0.014) (0.014) (0.000) (0.000) (0.000) (0.105) (0.013) (0.133) (0.133) (0.133) (0.133) (0.133) (0.133) (0.134) (0.134) (0.135) (0.135) (0.132) (0.132) (0.132) (0.132) (0.132) (0.133)	3.778° (2.189) (2.189) (2.189) (2.189) (2.189) (2.189) (2.189) (3.000° (0.000) (0.000) (0.000) (0.150)	5.39° (2.673) (2.673) (2.673) (2.673) (2.673) (0.052) (0.052) (0.053) (0.165) (0.165) (0.165) (0.165) (0.165) (0.165) (0.165) (0.165) (0.165) (0.165) (0.165) (0.165) (0.065) (0.000)	(2.852** (2.852** (0.002** (0.002** (0.140) (0.152*) (0.152*) (0.123** (0.152*) (0.233** (0.153*) (0.233** (0.153*) (0.234** (0.124*) (0.104** (0.104** (0.104** (0.000)
Continental FE	No	No	No	Yes	Yes	Yes
N Adjusted R ²	131 0.387	131 0.411	131 0.427	131 0.503	131 0.522	131 0.526



Predicted Genetic Diversity and Jurisdictional Hierarchy — Accounting for Scale

		Log Numbe	r of Levels o	f Jurisdiction	al Hierarchy	
	(1)	(2)	(3)	(4)	(5)	(6)
Predicted Genetic Diversity Area Size of Local Community: Fewer than 50 Size of Local Community: 50-99 Size of Local Community: 50-99 Size of Local Community: 200-399 Size of Local Community: 400-1.00 Size of Local Community: 400-1.00 Size of Local Community: 5:00 w/o Towns over 5,000 Size of Local Community: Cities of 50,000-90,000 Size of Local Community: Cities of 50,000 or more Log Absolute Latitude Elevation Terrain Ruggedness River Length River Density Share Desert Average Temperature Temperature Range Sol Quality (Climatic)	4 215**** (0.286) 0.001 (0.001) (0.001) (0.001) (0.001) (0.007) (0.042) (0.052) (0.052) (0.052) (0.053) (0.053) (0.053) (0.053) (0.053) (0.053) (0.053) (0.053) (0.053) (0.053) (0.053) (0.053) (0.053) (0.053) (0.053)	4.493**** (0.300) 0.001 (0.001) (0.001) -0.183*** (0.038) -0.132** (0.041) -0.053) 0.064 (0.053) 0.064 (0.056) -0.117 (0.131) 0.064 (0.056) -0.117 (0.131) 0.064 (0.056) -0.117 (0.131) 0.064	4.566**** (0.304) (0.001) (0.001) (0.001) (0.01) (0.01) (0.01) (0.042) (0.042) (0.043) (0.053) (0.053) (0.057) (0.129) (0.082) (0.082) (0.082) (0.083) (0.013)	3.531**** (0.953) 0.001 (0.052) (0.038) -0.125** (0.040) 0.040 0.052) 0.040 (0.058) -0.113 (0.131) (0.131) (0.071*** (0.071*** (0.071*** (0.017)	3.061**** (1.037) (0.003*** (0.001) (0.101) (0.101) (0.101) (0.101) (0.102)	3.071***(1.034) (1.034) (1.034) (0.001) -0.162**(0.039) -0.130**(0.034) (0.034) -0.002 (0.044) -0.054 (0.052) 0.041 (0.060) -0.122 (0.044) (0.052) 0.041 (0.060) -0.122 (0.040) (0.060) -0.122 (0.040) (0.060) -0.122 (0.060) -0.000
Continental FE	No	No	No	Yes	Yes	Yes
N Adjusted R ²	1,076 0.403	1,076 0.405	1,076 0.406	1,076 0.425	1,076 0.429	1,076 0.430



Genetic Diversity and Jurisdictional Hierarchy — Omitting Africa

		Log Number of Levels of Jurisdictional Hierarchy								
	(1)	(2)	(3)	(4)	(5)	(6)				
Genetic Diversity	8.694***	8.581***	10.082***	10.082***	8.511***	9.199***				
Log Absolute Latitude	(1.186)	(1.477) 0.013	(1.352) -0.173	(1.352) -0.173	(2.539) -0.227	(2.286) 0.088				
Elevation		(0.106)	(0.128)	(0.128)	(0.135) 0.000*	(0.276) 0.000				
Terrain Ruggedness					(0.000) -0.000**	(0.000)				
River Length					(0.000) 0.002**	(0.000) 0.003***				
River Density					(0.001) -0.008	(0.001) 0.017				
Share Desert					(0.025) 0.247	(0.027) -0.424				
Average Temperature					(0.495)	(0.541) 0.033				
Temperature Range						(0.022) 0.020				
						(0.046)				
Soil Quality (Climatic)	No	No	Yes	Yes	Yes	Yes				
N Adjusted R ²	54 0.356	54 0.343	54 0.330	54 0.330	54 0.385	54 0.432				



Predicted Genetic Diversity and Jurisdictional Hierarchy — Omitting Africa

		Log Numbe	r of Levels	of Jurisdiction	onal Hierarch	у
	(1)	(2)	(3)	(4)	(5)	(6)
Predicted Genetic Diversity	6.525*** (0.548)	6.520***	6.538***	6.524***	7.791***	7.791***
Log Absolute Latitude	(0.546)	(0.564) 0.001	(0.569) 0.024	(1.215) 0.104***	(1.297) 0.099***	(1.290) 0.156***
Elevation		(0.020)	(0.022)	(0.033)	(0.033) 0.000 (0.000)	(0.045) 0.000* (0.000)
Terrain Ruggedness					-Ò.000***	-Ò.000***
River Length					(0.000) 0.002**	(0.000)
River Density					(0.001) -0.003	(0.001) -0.003
Share Desert					(0.002) -0.037 (0.074)	(0.002) -0.065 (0.084)
Average Temperature					(0.074)	Ò.012**
Temperature Range						(0.005) -0.022** (0.011)
Soil Quality (Climatic) Continental FE	No No	No No	Yes No	Yes Yes	Yes Yes	Yes Yes
N A !:	590	590	590	590	590	590
Adjusted R ²	0.219	0.217	0.256	0.331	0.353	0.361



Genetic Diversity and Jurisdictional Hierarchy — Accounting for Year in Ethnographic Atlas

	Log L	evels of Juri	sdictional H	ierarchy
	(1)	(2)	(3)	(4)
Genetic Diversity	1.940*	7.620***	7.222**	7.328**
Year in Ethnographic Atlas	(1.089) -0.001 (0.001)	(2.551) -0.000 (0.001)	(3.140) -0.001 (0.001)	(3.068) -0.002 (0.001)
Log Absolute Latitude	(0.001)	-0.009 (0.027)	0.054 (0.033)	0.095***
Elevation		(0.021)	0.000***	0.000***
Terrain Ruggedness			-0.000 (0.000)	-0.000 (0.000)
River Length			0.000 (0.000)	0.002*** (0.001)
River Density			-0.057	-0.065
Share Desert			(0.083) 0.295*	(0.075)
Average Temperature			(0.172)	(0.226) 0.023**
Temperature Range				(0.011) -0.040 (0.027)
Soil Quality (Climatic) Continental FE	No No	Yes Yes	Yes Yes	Yes Yes
N Adjusted R ²	94 0.029	94 0.085	94 0.150	94 0.202



Predicted Genetic Diversity and Jurisdictional Hierarchy — Accounting for Year in Ethnographic Atlas

		Log Number	of Levels o	f Jurisdictio	nal Hierarch	У
	(1)	(2)	(3)	(4)	(5)	(6)
Predicted Genetic Diversity	5.223***	5.810***	5.879***	5.300***	5.422***	5.644***
Year in Ethnographic Atlas	(0.288) -0.000*** (0.000)	(0.316) -0.000** (0.000)	(0.313) -0.000** (0.000)	(1.009) -0.000** (0.000)	(1.100) -0.000** (0.000)	(1.105) -0.000** (0.000)
Log Absolute Latitude	(0.000)	0.064***	0.075***	0.107***	0.105***	0.127***
Elevation		(0.014)	(0.015)	(0.018)	(0.019) 0.000 (0.000)	(0.021) 0.000** (0.000)
Terrain Ruggedness					-`0.000*	-Ò.000* [*] *
River Length					(0.000) 0.003*** (0.001)	(0.000) 0.003*** (0.001)
River Density					-0.003	-0.002
Share Desert					(0.002) 0.005 (0.062)	(0.002) 0.009 (0.072)
Average Temperature					(0.002)	0.007*
Temperature Range						(0.004) -0.020** (0.008)
Soil Quality (Climatic) Continental FE	No No	No No	Yes No	Yes Yes	Yes Yes	Yes Yes
N Adjusted R ²	1,075 0.204	1,075 0.220	1,075 0.228	1,075 0.295	1,075 0.302	1,075 0.305



Predicted Diversity and Constraint on the Executive (2013)

			Log Constr	aint on Chief	Executive		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Predicted Genetic Diversity	-3.397***	-3.449***	-2.423**	-2.495***	-3.081**	-3.159**	-3.486**
Log Absolute Latitude	(0.902)	(0.898) 0.082** (0.032)	(0.948) 0.051 (0.034)	(0.939) -0.044 (0.049)	(1.547) 0.018 (0.051)	(1.473) 0.016 (0.048)	(1.435) 0.013 (0.050)
Soil Fertility		(0.032)	`0.319´	0.244	`0.067	`0.205´	`0.308
Roughness			(0.227) 0.167 (0.309)	(0.217) 0.059 (0.324)	(0.193) 0.355 (0.338)	(0.191) 0.441 (0.314)	(0.250) 0.183 (0.310)
Elevation			0.039	0.013	0.109	0.048	0.013
Average Distance to Nearest Waterway			(0.084) -0.197** (0.096)	(0.084) -0.265*** (0.092)	(0.105) -0.171* (0.087)	(0.096) -0.080 (0.092)	(0.083) -0.166** (0.080)
Percentage of Arable Land			`0.003	`0.002	`0.003	`0.003	0.001
Temperature			(0.002)	(0.002) -0.017*** (0.006)	(0.003) -0.003 (0.010)	(0.002) -0.005 (0.010)	(0.003) -0.012 (0.008)
Colony				(0.000)	(0.010)	(0.010)	0.181 (0.117)
Continental FE	No	No	No	No	Yes	Yes	Yes
Legal Origin FE	No	No	No	No	No	Yes	Yes
N Adjusted R^2	140 0.050	140 0.082	140 0.175	140 0.228	140 0.330	140 0.390	126 0.423



Predicted Diversity and Constraint on the Executive — Accounting for GDP

			Log Consti	aint on Chie	f Executive		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Predicted Genetic Diversity	-3.348*** (0.857)	-3.460*** (0.914)	-2.467*** (0.905)	-2.629*** (0.964)	-3.677*** (1.361)	-3.440*** (1.294)	-3.779*** (1.383)
Log Income per capita in 2000	0.112*** (0.028)	0.099*** (0.036)	0.103*** (0.036)	0.060 (0.054)	0.060 (0.048)	0.013 (0.053)	-0.010 (0.052)
Log Absolute Latitude	(0.020)	0.034 (0.037)	-0.012 (0.037)	-0.066 (0.044)	(0.044)	0.018	0.021
Soil Fertility		(0.037)	0.560**	0.471**	0.196	0.312	0.367
Roughness			-0.067 (0.309)	-0.049 (0.324)	0.355 (0.323)	0.388 (0.299)	0.191 (0.288)
Elevation			`0.032	-0.036	`0.024	-0.054	-0.083
Average Distance to Nearest Waterway			(0.094) -0.139	(0.109)	(0.109)	(0.104)	(0.090) -0.135*
Percentage of Arable Land			(0.092) 0.003	(0.099) 0.001	(0.088)	(0.093) 0.002	(0.080) 0.001
Temperature			(0.002)	(0.002) -0.014*	(0.003)	(0.002)	(0.003)
Colony				(800.0)	(0.010)	(0.011)	(0.008) 0.235** (0.102)
Continental FE Legal Origin FE	No No	No No	No No	No No	Yes No	Yes Yes	Yes Yes
N	144	144	144	144	144	144	129
Adjusted R ²	0.171	0.170	0.278	0.303	0.411	0.448	0.500



Predicted Diversity and Constraint on the Executive — Accounting for Schooling

			Log Consti	raint on Chie	f Executive		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Predicted Genetic Diversity	-3.210***	-3.202***	-2.136**	-2.299***	-3.170**	-3.450***	-3.948***
Years of Schooling	(0.659) 0.064*** (0.009)	(0.681) 0.064*** (0.013)	(0.827) 0.061*** (0.012)	(0.857) 0.048*** (0.018)	(1.296) 0.048** (0.019)	(1.196) 0.053*** (0.015)	(1.387) 0.056*** (0.016)
Log Absolute Latitude	(0.009)	-0.002	-0.016	-0.039	`0.030´	`0.027	`0.024
Soil Fertility		(0.038)	(0.037) 0.128 (0.190)	(0.044) 0.135 (0.190)	(0.045) -0.090 (0.166)	(0.044) 0.004 (0.161)	(0.050) -0.023 (0.236)
Roughness			`0.233´	`0.213´	0.436*	`0.344´	0.241
Elevation			(0.284) -0.027 (0.093)	(0.290) -0.055 (0.092)	(0.247) -0.004 (0.086)	(0.221) -0.015 (0.080)	(0.282) -0.004 (0.086)
Average Distance to Nearest Waterway			-0.193* [*]	-0.218**	-0.172* [*]	-0.102	-0.102
Percentage of Arable Land			(0.095) 0.002 (0.002)	(0.099) 0.001 (0.002)	(0.079) 0.002 (0.003)	(0.085) 0.003 (0.002)	(0.084) 0.004 (0.003)
Temperature			(0.002)	-0.007	`0.003	`0.000	-0.000
Colony				(0.007)	(0.009)	(0.009)	(0.009) 0.002 (0.084)
Continental FE Legal Origin FE	No No	No No	No No	No No	Yes No	Yes Yes	Yes Yes
N r2a	110 0.343	110 0.336	110 0.397	110 0.397	110 0.465	110 0.504	102 0.495



Predicted Diversity and Constraint on the Executive — Accounting for Ethnic Fractionalization

			Log Constr	aint on Chief	Executive		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Predicted Genetic Diversity	-3.271***	-3.509***	-2.766***	-2.923***	-3.233**	-3.373**	-3.913***
Ethnic Fractionalization	(0.838) -0.373*** (0.126)	(0.855) -0.265* (0.157)	(0.903) -0.017 (0.175)	(0.865) 0.115 (0.161)	(1.450) -0.010 (0.158)	(1.379) 0.076 (0.175)	(1.407) 0.094 (0.186)
Log Absolute Latitude	(0.120)	`0.056´	`0.053´	-0.049	`0.022	`0.021	`0.027
Soil Fertility		(0.036)	(0.034) 0.475* (0.246)	(0.045) 0.410* (0.231)	(0.043) 0.160 (0.208)	(0.038) 0.328 (0.202)	(0.040) 0.398* (0.229)
Roughness			`0.138´	0.101	0.334	`0.403´	`0.215´
Elevation			(0.342) -0.061	(0.349) -0.117	(0.331)	(0.304) -0.071	(0.294) -0.095
Average Distance to Nearest Waterway			(0.100) -0.174* (0.095)	(0.100) -0.259*** (0.091)	(0.112) -0.161* (0.085)	(0.105) -0.074 (0.090)	(0.095) -0.133 (0.081)
Percentage of Arable Land			`0.002	`0.001	`0.002	`0.002	`0.001
Temperature			(0.003)	(0.003) -0.021*** (0.005)	(0.003) -0.006 (0.010)	(0.003) -0.010 (0.010)	(0.003) -0.018** (0.008)
Colony				(0.005)	(0.010)	(0.010)	0.239** (0.101)
Continental FE Legal Origin FE	No No	No No	No No	No No	Yes No	Yes Yes	Yes Yes
N r2a	144 0.114	144 0.120	144 0.210	144 0.284	144 0.394	144 0.447	129 0.499



Predicted Diversity and Constraint on the Executive — Accounting for Percentage of Land near a Waterway

			Log Constr	aint on Chief	Executive		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Predicted Genetic Diversity	-3.116*** (0.855)	-3.251*** (0.876)	-2.773*** (0.889)	-2.812*** (0.873)	-3.278** (1.444)	-3.364** (1.352)	-3.896*** (1.363)
Percentage of Land near a Waterway	0.344***	0`.306***	`0.086´	-0.018	`0.016	-0.026	-0.078
Log Absolute Latitude	(0.089)	(0.093) 0.068**	(0.151) 0.050	(0.144) -0.059	(0.136)	(0.133)	(0.162) 0.019
Soil Fertility		(0.030)	(0.031) 0.485*	(0.042) 0.418*	(0.043) 0.163	(0.038) 0.314	(0.041) 0.382
Roughness			(0.246) 0.052	(0.236) 0.055	(0.211) 0.327	(0.208) 0.405	(0.244) 0.266
Elevation			(0.357) -0.028	(0.359) -0.111	(0.353) -0.001	(0.323) -0.074	(0.316) -0.118
Average Distance to Nearest Waterway			(0.120) -0.144 (0.098)	(0.120) -0.254*** (0.097)	(0.130) -0.155* (0.093)	(0.125) -0.078 (0.100)	(0.130) -0.156 (0.102)
Percentage of Arable Land			0.002 (0.002)	0.001 (0.002)	0.002	0.002	0.002 (0.003)
Temperature			(0.002)	-ò.020***	-0.007	-0.010	-0.018* [*]
Colony				(0.006)	(0.010)	(0.010)	(0.008) 0.222** (0.101)
Continental FE Legal Origin FE	No No	No No	No No	No No	Yes No	Yes Yes	Yes Yes
N r2a	145 0.156	145 0.174	145 0.218	145 0.287	145 0.400	145 0.452	130 0.505



Predicted Diversity and Constraint on the Executive — Accounting for Percentages of Population Living in Various Climate Zones

			Log Constr	int on Chief	Executive		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Predicted Genetic Diversity	-3.926*** (0.888)	-3.864*** (0.908)	-3.369*** (0.985)	-3.172*** (0.985)	-3.066** (1.497)	-3.238** (1.413)	-4.167*** (1.392)
Percentage of Population Living in Temperate Zones	0.587*** (0.090)	0.578*** (0.103)	0.477*** (0.105)	0.377*** (0.139)	0.134 (0.176)	0.044 (0.182)	0.086 (0.169)
Percentage of Population Living in Tropical Zones	0.011 (0.165)	0.028 (0.186)	(0.200)	(0.202)	-0.082 (0.184)	-0.020 (0.169)	-0.078 (0.171)
Percentage of Population Living in Tropical and Subtropical Zones	0.198	0.198	0.107	0.115	0.119	(0.150)	-0.024 (0.144)
Log Absolute Latitude	(0.113)	0.013 (0.051)	-0.004 (0.053)	-0.025 (0.058)	(0.023	(0.022	-0.012 (0.049)
Soil Fertility		(0.031)	0.278 (0.234)	0.290	0.126	0.294 (0.205)	0.364 (0.240)
Roughness			0.028	0.024	0.333	0.373	0.184
Elevation			0.027 (0.097)	-0.007 (0.108)	0.007	-0.053 (0.107)	-0.078 (0.099)
Average Distance to Nearest Waterway			-0.101 (0.079)	-0.141 (0.087)	-0.126 (0.081)	-0.060 (0.088)	-0.116 (0.083)
Percentage of Arable Land			0.000 (0.002)	0.000 (0.002)	0.002 (0.003)	0.002 (0.002)	0.002 (0.003)
Temperature			(0.002)	-0.007 (0.007)	-0.004 (0.009)	-0.008 (0.010)	-0.013 (0.009)
Colony				(0.007)	(0.009)	(0.010)	0.227** (0.104)
Continental FE Legal Origin FE	No No	No No	No No	No No	Yes No	Yes Yes	Yes Yes
N r2a	145 0.311	145 0.306	145 0.309	145 0.309	145 0.395	145 0.443	130 0.501



Predicted Diversity and Constraint on the Executive — Accounting for Land Suitability Gini

			Log Constr	aint on Chief	Executive		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Predicted Genetic Diversity	-3.863***	-3.891***	-2.746***	-2.768***	-3.549**	-3.590***	-3.870***
Land Suitability Gini	(0.829) -0.233 (0.150)	(0.845) -0.256* (0.144)	(0.890) 0.460** (0.201)	(0.869) 0.304 (0.198)	(1.455) 0.263 (0.192)	(1.364) 0.162 (0.193)	(1.330) 0.062 (0.229)
Log Absolute Latitude	(0.100)	0.100***	0.027 (0.031)	-0.065 (0.042)	0.009	0.008	0.019
Soil Fertility		(0.029)	0.920***	0.752***	0.493*	Ò.550**	`0.413´
Roughness			(0.264) -0.085	(0.255) -0.164	(0.264) 0.148	(0.255) 0.200	(0.313) 0.188
Elevation			(0.307) -0.071	(0.315) -0.092	(0.316) 0.002	(0.289) -0.044	(0.293) -0.085
Average Distance to Nearest Waterway			(0.096) -0.244*** (0.088)	(0.096) -0.290*** (0.087)	(0.112) -0.195** (0.084)	(0.106) -0.097 (0.091)	(0.102) -0.140* (0.081)
Percentage of Arable Land			`0.002	0.000	`0.001	`0.001	`0.001
Temperature			(0.002)	(0.002) -0.018***	(0.003)	(0.002) -0.007	(0.003)
Colony				(0.006)	(0.010)	(0.010)	(0.008) 0.222** (0.096)
Continental FE Legal Origin FE	No No	No No	No No	No No	Yes No	Yes Yes	Yes Yes
N r2a	144 0.080	144 0.127	144 0.266	144 0.318	144 0.416	144 0.459	130 0.504



Predicted Diversity and Constraint on the Executive — Accounting for Colonizer Nation

			Log Constr	aint on Chief	Executive		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Predicted Genetic Diversity	-3.442***	-3.293***	-2.869**	-2.739**	-4.115**	-3.648**	-4.272***
	(1.159)	(1.102)	(1.131)	(1.140)	(1.606)	(1.604)	(1.532)
British Colony	-0.072	-0.092	0.001	-0.006	0.163	0.051	0.092
	(0.102)	(0.095)	(0.109)	(0.103)	(0.109)	(0.152)	(0.136)
French Colony	-0.223**	-0.223**	-0.130	-0.077	0.078	0.109	0.116
0:1 6.1	(0.098)	(0.092)	(0.106)	(0.113)	(0.096)	(0.103)	(0.102)
Other Colony	-0.052	-0.134	-0.107	-0.259**	-0.105	-0.044	0.061
Non-colony	(0.114) 0.122	(0.107) 0.032	(0.118) 0.068	(0.114) -0.076	(0.111) 0.029	(0.119) -0.095	(0.110) 0.057
Non-colony	(0.104)	(0.101)	(0.099)	(0.096)	(0.105)	(0.123)	(0.114)
Log Absolute Latitude	(0.104)	0.101)	0.057**	-0.052	0.014	0.014	0.014
Log / tosorate Latitude		(0.028)	(0.028)	(0.041)	(0.040)	(0.039)	(0.042)
Soil Fertility		(0.020)	0.450*	0.331	0.187	0.310	0.396*
			(0.258)	(0.240)	(0.199)	(0.210)	(0.230)
Roughness			0.166	0.150	0.421	0.330	0.104
ŭ			(0.321)	(0.320)	(0.314)	(0.300)	(0.293)
Elevation			-0.046	-0.074	0.014	0.005	-0.030
			(0.090)	(0.087)	(0.104)	(0.105)	(0.090)
Average Distance to Nearest Waterway			-0.123	-0.206**	-0.118	-0.051	-0.116
			(0.091)	(0.087)	(0.087)	(0.091)	(0.082)
Percentage of Arable Land			0.003	0.003	0.003	0.002	0.002
_			(0.003)	(0.003)	(0.003)	(0.003)	(0.003)
Temperature				-0.025***	-0.011	-0.012	-0.018**
Colony				(0.006)	(0.009)	(0.010)	(0.008) 0.168
Colony							(0.113)
Continental FE	No	No	No	No	Yes	Yes	Yes
Legal Origin FE	No	No	No	No	No	Yes	Yes
N	142	142	142	142	142	142	127
r2a	0.108	0.140	0.235	0.329	0.439	0.470	0.508



Predicted Diversity and Constraint on the Executive — Accounting for Population Density in 1500

			Log Constr	aint on Chief	Executive		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Predicted Genetic Diversity	-4.135***	-4.173***	-2.866***	-2.873***	-3.015**	-3.446**	-3.788***
Population Density in 1500 CE	(0.846) 0.012*** (0.003)	(0.852) 0.010*** (0.003)	(0.879) 0.005* (0.003)	(0.863) 0.003 (0.003)	(1.432) 0.007** (0.003)	(1.349) 0.002 (0.005)	(1.419) 0.003 (0.004)
Log Absolute Latitude	(0.003)	0.077***	0.055*	-0.055	`0.032	`0.024	`0.023
Soil Fertility		(0.029)	(0.030) 0.465* (0.248)	(0.042) 0.373 (0.233)	(0.043) 0.113 (0.202)	(0.037) 0.254 (0.194)	(0.040) 0.311 (0.233)
Roughness			`0.103′	`0.023	`0.305´	`0.389′	`0.216′
Elevation			(0.318) -0.029	(0.327) -0.062	(0.316) 0.031	(0.292) -0.017	(0.290) -0.043
Average Distance to Nearest Waterway			(0.096) -0.182* (0.094)	(0.094) -0.265*** (0.088)	(0.105) -0.170** (0.082)	(0.099) -0.097 (0.087)	(0.087) -0.151* (0.079)
Percentage of Arable Land			`0.000	-0.000	`0.000	`0.001	`0.001
Temperature			(0.003)	(0.003) -0.020***	(0.003)	(0.003) -0.010	(0.003) -0.017**
Colony				(0.005)	(0.010)	(0.010)	(0.008) 0.211** (0.097)
Continental FE Legal Origin FE	No No	No No	No No	No No	Yes No	Yes Yes	Yes Yes
N r2a	144 0.130	144 0.155	144 0.227	144 0.295	144 0.419	144 0.465	129 0.512



Predicted Diversity and Constraint on the Executive — Accounting for Colonial Duration

			Log Constr	aint on Chief	Executive		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Predicted Genetic Diversity	-3.565*** (0.939)	-3.137*** (0.927)	-2.079** (1.035)	-1.756* (0.985)	-2.840* (1.456)	-2.966** (1.373)	-3.624** (1.405)
Colonial Duration	0.022 (0.017)	0.044***	0.035**	0.049***	0.062***	0.050***	0.025*
Log Absolute Latitude	(0.017)	0.117*** (0.028)	0.075**	-0.044 (0.042)	0.035	0.029	0.024
Soil Fertility		(0.026)	0.464*	`0.354´	`0.114´	0.245	`0.343´
Roughness			(0.236) 0.179	(0.219) 0.089	(0.191) 0.445	(0.194) 0.459	(0.236) 0.231
Elevation			(0.308)	(0.311) -0.095	(0.305) -0.016	(0.287)	(0.296) -0.082
Average Distance to Nearest Waterway			(0.091) -0.167* (0.091)	(0.091) -0.253*** (0.088)	(0.106) -0.147* (0.085)	(0.101) -0.066 (0.091)	(0.091) -0.127 (0.082)
Percentage of Arable Land			0.002	0.001 (0.002)	0.001	0.001	0.001
Temperature			(0.002)	-0.022*** (0.005)	-0.010 (0.009)	-0.012 (0.010)	-0.017**
Colony				(0.003)	(0.009)	(0.010)	0.200* (0.101)
Continental FE Legal Origin FE	No No	No No	No No	No No	Yes No	Yes Yes	Yes Yes
N r2a	145 0.068	145 0.128	145 0.232	145 0.320	145 0.434	145 0.473	130 0.509



Predicted Diversity and Constraint on the Executive — Accounting for Social Infrastructure

			Log Constr	aint on Chief	Executive		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Predicted Genetic Diversity	-3.395***	-3.582***	-2.553***	-2.974***	-2.345**	-3.030***	-2.781**
Social Infrastructure	(0.728) 0.593*** (0.088)	(0.724) 0.463*** (0.114)	(0.848) 0.445*** (0.104)	(0.891) 0.139 (0.173)	(1.173) 0.222 (0.192)	(1.151) 0.070 (0.240)	(1.222) 0.131 (0.259)
Log Absolute Latitude	(0.000)	Ò.068**	`0.043´	-0.013	`0.030´	`0.029´	`0.033
Soil Fertility		(0.031)	(0.031) 0.387 (0.244)	(0.041) 0.326 (0.219)	(0.041) 0.091 (0.180)	(0.039) 0.084 (0.172)	(0.043) 0.032 (0.228)
Roughness			`0.404´	`0.400´	0.477*	0.538*	0.578*
Elevation			(0.298) -0.119 (0.098)	(0.300) -0.189 (0.115)	(0.279) -0.158 (0.106)	(0.275) -0.188* (0.106)	(0.305) -0.169* (0.100)
Average Distance to Nearest Waterway			`0.018´	-0.022	-0.034	`0.005´	-0.009
Percentage of Arable Land			(0.125) 0.001 (0.002)	(0.126) 0.001 (0.002)	(0.143) 0.004 (0.003)	(0.145) 0.003 (0.003)	(0.146) 0.005 (0.003)
Temperature			()	-Ò.017* [*] *	-Ò.015***	-0.018* [*]	-0.019**
Colony				(0.007)	(0.007)	(0.008)	(0.008) 0.113 (0.133)
Continental FE Legal Origin FE	No No	No No	No No	No No	Yes No	Yes Yes	Yes Yes
N r2a	108 0.286	108 0.306	108 0.353	108 0.394	108 0.448	108 0.461	102 0.463



Predicted Genetic Diversity and Autocracy (2013)

			Lo	g Autocracy	,		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Predicted Genetic Diversity	7.878***	7.938***	5.845***	5.983***	6.795*	6.992**	6.963**
Log Absolute Latitude	(1.933)	(1.942) -0.094 (0.060)	(2.210) -0.023 (0.065)	(2.218) 0.158* (0.094)	(3.566) 0.013 (0.101)	(3.173) 0.023 (0.093)	(3.239) 0.031 (0.096)
Soil Fertility		(0.000)	-0.823*	-0.681	-0.254	-0.619	-0.507
Roughness			(0.494) -0.433 (0.672)	(0.479) -0.226 (0.710)	(0.407) -0.834 (0.716)	(0.398) -0.931 (0.636)	(0.524) -0.496 (0.663)
Elevation			`0.098	`0.147	-0.064	`0.072	`0.094
Average Distance to Nearest Waterway			(0.192) 0.249 (0.184)	(0.197) 0.378** (0.177)	(0.224) 0.166 (0.160)	(0.199) -0.054 (0.174)	(0.187) 0.050 (0.157)
Percentage of Arable Land			-0.005	-0.003	-0.005	-0.005	-0.006
Temperature			(0.005)	(0.005) 0.032*** (0.011)	(0.005) 0.002 (0.018)	(0.005) 0.010 (0.019)	(0.007) 0.020 (0.017)
Colony				(0.011)	(0.010)	(0.013)	-0.421* (0.242)
Continental FE	No	No	No	No	Yes	Yes	Yes
Legal Origin FE	No	No	No	No	No	Yes	Yes
N Adjusted R^2	140 0.062	140 0.067	140 0.133	140 0.175	140 0.284	140 0.367	126 0.378



Predicted Genetic Diversity and Autocracy — Accounting for GDP

			Lo	g Autocracy			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Predicted Genetic Diversity	7.605*** (1.900)	7.725*** (1.978)	5.671*** (2.012)	5.996*** (2.126)	7.595** (2.981)	6.897** (2.719)	6.300** (3.023)
Log Income per capita in 2000	-0.201*** (0.057)	-0.187*** (0.070)	-0.183** (0.071)	-0.097 (0.102)	-0.092 (0.092)	0.027	0.078
Log Absolute Latitude	(0.031)	-0.037 (0.067)	0.057	0.166**	-0.050 (0.082)	-0.038 (0.073)	-0.050 (0.078)
Soil Fertility		(0.007)	-1.375*** (0.469)	-1.196*** (0.456)	-0.472 (0.387)	-0.753* (0.383)	-0.726 (0.451)
Roughness			`0.099´	`0.063´	-0.873	-0.875	-0.736
Elevation			(0.697)	(0.725) 0.271	(0.675)	(0.606) 0.315	(0.568) 0.364**
Average Distance to Nearest Waterway			(0.205) 0.147	(0.232) 0.288	(0.204) 0.104	(0.194)	(0.174) 0.006
Percentage of Arable Land			(0.185)	(0.195)	(0.155)	(0.166)	(0.151)
Temperature			(0.005)	(0.005) 0.029*	(0.005) 0.007	(0.005) 0.021	(0.006) 0.032**
Colony				(0.016)	(0.018)	(0.019)	(0.016) -0.460** (0.198)
Continental FE Legal Origin FE	No No	No No	No No	No No	Yes No	Yes Yes	Yes Yes
N	144	144	144	144	144	144	129
Adjusted R ²	0.154	0.150	0.252	0.276	0.441	0.496	0.528



Predicted Genetic Diversity and Democracy (1994–2013)

			Log	g Democracy			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Predicted Genetic Diversity	-8.566*** (1.946)	-8.658*** (1.955)	-6.003*** (2.175)	-5.980*** (2.116)	-6.553* (3.333)	-6.866** (2.894)	-6.863** (3.099)
Log Absolute Latitude	(=:0:0)	0.196*** (0.062)	0.112* (0.066)	-0.137 (0.098)	0.059	0.043	0.048
Soil Fertility		(****=)	1.132** (0.504)	0.946* (0.482)	0.309	0.704*	0.593 (0.507)
Roughness			0.337 (0.715)	0.123 (0.737)	0.819 (0.733)	0.843	0.550 (0.639)
Elevation			-0.243 (0.202)	-0.327 (0.205)	-0.138 (0.213)	-0.284 (0.192)	-0.269 (0.183)
Average Distance to Nearest Waterway			-0.263 (0.191)	-0.435** (0.181)	-0.248 (0.160)	-0.012 (0.175)	-0.058 (0.169)
Percentage of Arable Land			0.002 (0.005)	-0.000 (0.005)	0.003 (0.006)	0.003 (0.005)	0.006 (0.006)
Temperature			()	-0.044*** (0.012)	-0.017 (0.018)	-0.029 (0.019)	-0.038** (0.017)
Colony				(0.012)	()	(*****)	0.365 (0.229)
Continental FE Legal Origin FE	No No	No No	No No	No No	Yes No	Yes Yes	Yes Yes
N Adjusted R ²	145 0.063	145 0.100	145 0.195	145 0.267	145 0.397	145 0.484	130 0.511



Observed Genetic Diversity and Indigenous Autocracy

		Indigenous	s Autocracy	
	(1)	(2)	(3)	(4)
Genetic Diversity	1.866*	7.627***	7.338**	7.591**
Log Absolute Latitude	(1.070)	(2.517) -0.008	(3.105) 0.055*	(3.089) 0.093***
Elevation		(0.027)	(0.033) 0.000***	(0.027) 0.000***
Terrain Ruggedness			(0.000) -0.000	(0.000) -0.000
River Length			(0.000) 0.000	(0.000) 0.001**
River Density			(0.000) -0.059	(0.001) -0.067
Share Desert			(0.081) 0.273	(0.073) 0.298
Average Temperature			(0.169)	(0.224) 0.019*
Temperature Range				(0.011) -0.038 (0.027)
Soil Quality (Climatic) Continental FE	No No	Yes Yes	Yes Yes	Yes Yes
N Adjusted R ²	94 0.032	94 0.097	94 0.159	94 0.197



Persistence of Institutions — Indigenous Autocracy

		cutive traints	Auto	cracy	Executive Constraints	Autocracy
	(1)	(2)	(3)	(4)	(5)	(6)
Log Indigenous Autocracy	-0.237*** (0.070)		0.466*** (0.158)		-0.287*** (0.076)	0.549*** (0.169)
Log Indigenous Autocracy (Ancestry Adjusted)	,	-0.377*** (0.077)	,	0.764*** (0.172)	,	, ,
N	95	95	95	95	80	80
Adjusted R ²	0.054	0.128	0.038	0.101	0.081	0.057



Persistence of Institutions — Indigenous Autocracy — Continental FE

		Executive Constraints		ocracy	Executive Constraints	Autocracy
	(1)	(2)	(3)	(4)	(5)	(6)
Log Indigenous Autocracy	-0.134 (0.083)		0.301* (0.178)		-0.162* (0.095)	0.360* (0.204)
Log Indigenous Autocracy (Ancestry Adjusted)	,	-0.188** (0.091)	,	0.404** (0.192)	,	,
Continental FE	Yes	Yes	Yes	Yes	Yes	Yes
N	95	95	95	95	80	80
Adjusted R ²	0.265	0.276	0.305	0.314	0.189	0.219



Persistence of Institutions — Indigenous Democracy (Nunn)

		cutive traints	Auto	Autocracy		Autocracy
	(1)	(2)	(3)	(4)	(5)	(6)
Indigenous Democracy	0.248*** (0.081)		-0.466*** (0.168)		0.305*** (0.085)	-0.553*** (0.176)
Indigenous Democracy (Ancestry Adjusted)	,	0.313*** (0.091)	()	-0.565*** (0.191)	,	,
N Adjusted R2	144 0.056	144 0.069	144 0.045	144 0.050	127 0.085	127 0.065

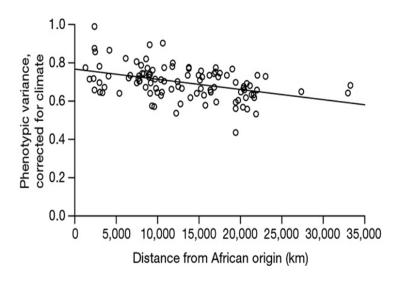


Persistence of Institutions — Indigenous Democracy (Nunn) — Cont. FE

		Executive Constraints		ocracy	Executive Constraints	Autocracy
	(1)	(2)	(3)	(4)	(5)	(6)
Indigenous Democracy	0.098 (0.082)		-0.195 (0.165)		0.164* (0.085)	-0.307* (0.168)
Indigenous Democracy (Ancestry Adjusted)	()	0.180* (0.094)	(*)	-0.362* (0.186)	()	(*)
Continental FE	Yes	Yes	Yes	Yes	Yes	Yes
N Adjusted R ²	144 0.350	144 0.361	144 0.413	144 0.424	127 0.357	127 0.415

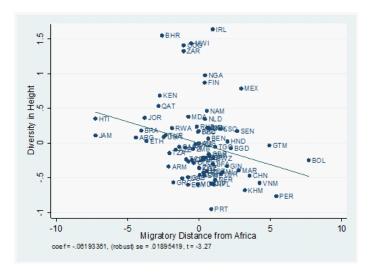


Phenotypic Variance Corrected for Climate



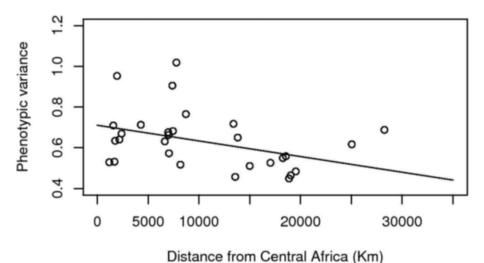


Diversity in Height





Phenotypic Diversity — Pelvic Bone Diversity





Phenotypic Diversity — Dental Diversity

