

# 1 Appendix

## 1.1 Main Results: Logged Civil War Onsets

	Baseline	Geography and climate	Resources	Slave exports
Log ISD states	0.31*** (0.09)	0.28** (0.09)	0.33*** (0.09)	0.45** (0.15)
Log population density in 1500	0.08 (0.05)	0.07 (0.05)	0.08 (0.05)	0.17 (0.12)
Log mean EPR groups	0.39*** (0.10)	0.36** (0.11)	0.35** (0.11)	-0.01 (0.16)
Former colony	0.04 (0.22)	0.02 (0.23)	0.02 (0.23)	-0.34 (0.45)
Historical conflict	-0.06 (0.58)	0.03 (0.62)	-0.28 (0.63)	3.64 (2.43)
Neolithic revolution	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
Area	0.00 (0.00)	0.00 (0.00)	-0.00 (0.01)	0.02 (0.02)
Log exported slaves				-0.03 (0.03)
Latin America and the Caribbean	0.74** (0.22)	0.53 (0.35)	0.74** (0.25)	
The Middle East and Nother Africa	0.77*** (0.22)	0.63* (0.28)	0.83** (0.26)	
Sub-Saharan Africa	0.71** (0.23)	0.56 (0.38)	0.78** (0.26)	1.01 (0.64)
Western Europe and North America	-0.14 (0.23)	-0.21 (0.25)	-0.19 (0.27)	
Asia and Pacific	0.69** (0.22)	0.54 (0.31)	0.68* (0.27)	
Absolute latitude		-0.45 (0.70)		
Desert (middle latitude)		-0.25 (0.45)		
Landlocked		0.00 (0.16)		
Island		-0.03 (0.22)		
Percent of world gold reserve (1997)			-0.00 (0.02)	
Percent of world iron reserve (1997)			0.03 (0.06)	
Percent of world zinc reserve (1997)			0.03 (0.08)	
SILVER?			0.00 (0.06)	
COAL?			0.03 (0.17)	
Oil (thousands of barrels per capita.)			-0.00 (0.00)	
R <sup>2</sup>	0.49	0.49	0.49	0.58
Adj. R <sup>2</sup>	0.44	0.42	0.42	0.48
Num. obs.	148	140	135	46

Reference region is Eastern Europe and Central Asia.

Table 1

## 1.2 Main Results: Logged Civil War Onsets, Government

	Baseline	Geography and climate	Resources	Slave exports
Log ISD states	0.20** (0.07)	0.17* (0.07)	0.21** (0.07)	0.17 (0.15)
Log population density in 1500	0.04 (0.04)	0.04 (0.04)	0.05 (0.04)	0.23* (0.11)
Log mean EPR groups	0.22** (0.08)	0.16* (0.09)	0.18* (0.09)	-0.05 (0.16)
Former colony	-0.06 (0.17)	-0.08 (0.18)	-0.09 (0.18)	-0.09 (0.44)
Historical conflict	-0.72 (0.46)	-0.47 (0.48)	-0.71 (0.51)	-0.99 (2.38)
Neolithic revolution	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
Area	0.00 (0.00)	0.00 (0.00)	-0.00 (0.00)	0.03 (0.02)
Log exported slaves				-0.02 (0.03)
Latin America and the Caribbean	0.80*** (0.18)	0.51* (0.27)	0.72*** (0.20)	
The Middle East and Nother Africa	0.64*** (0.17)	0.55* (0.22)	0.54* (0.21)	
Sub-Saharan Africa	0.63*** (0.18)	0.34 (0.29)	0.66** (0.21)	0.53 (0.63)
Western Europe and North America	-0.02 (0.18)	-0.02 (0.20)	-0.14 (0.22)	
Asia and Pacific	0.50** (0.17)	0.32 (0.24)	0.42* (0.21)	
Absolute latitude		-0.85 (0.55)		
Desert (middle latitude)		-0.06 (0.35)		
Landlocked		0.17 (0.12)		
Island		-0.20 (0.17)		
Percent of world gold reserve (1997)			0.00 (0.01)	
Percent of world iron reserve (1997)			0.02 (0.05)	
Percent of world zinc reserve (1997)			-0.01 (0.06)	
SILVER?			0.04 (0.04)	
COAL?			0.06 (0.14)	
Oil (thousands of barrels per capita.)			0.00 (0.00)	
R <sup>2</sup>	0.40	0.42	0.41	0.35
Adj. R <sup>2</sup>	0.35	0.35	0.31	0.18
Num. obs.	148	140	135	46

Reference region is Eastern Europe and Central Asia.

Table 2

### 1.3 Main Results: Logged Civil War Onsets, Territory

	Baseline	Geography and climate	Resources	Slave exports
Log ISD states	0.25** (0.08)	0.25** (0.08)	0.27** (0.09)	0.45** (0.13)
Log population density in 1500	0.05 (0.04)	0.04 (0.05)	0.05 (0.05)	-0.12 (0.10)
Log mean EPR groups	0.28** (0.09)	0.32** (0.10)	0.28** (0.10)	-0.02 (0.14)
Former colony	0.07 (0.20)	0.07 (0.21)	0.07 (0.21)	-0.24 (0.38)
Historical conflict	0.67 (0.54)	0.51 (0.57)	0.24 (0.59)	6.88** (2.08)
Neolithic revolution	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
Area	0.00 (0.00)	0.00 (0.00)	0.00 (0.01)	0.02 (0.02)
Log exported slaves				-0.02 (0.03)
Latin America and the Caribbean	-0.05 (0.21)	0.14 (0.32)	0.00 (0.24)	
The Middle East and Nother Africa	0.47* (0.20)	0.43 (0.26)	0.61* (0.25)	
Sub-Saharan Africa	0.21 (0.21)	0.50 (0.35)	0.23 (0.24)	0.91 (0.55)
Western Europe and North America	-0.19 (0.22)	-0.29 (0.23)	-0.12 (0.25)	
Asia and Pacific	0.49* (0.20)	0.60* (0.29)	0.48 (0.25)	
Absolute latitude		0.75 (0.65)		
Desert (middle latitude)		-0.50 (0.42)		
Landlocked		-0.19 (0.14)		
Island		0.28 (0.20)		
Percent of world gold reserve (1997)			-0.01 (0.01)	
Percent of world iron reserve (1997)			0.01 (0.06)	
Percent of world zinc reserve (1997)			0.05 (0.07)	
SILVER?			-0.06 (0.05)	
COAL?			0.10 (0.16)	
Oil (thousands of barrels per capita.)			-0.00 (0.00)	
R <sup>2</sup>	0.44	0.46	0.45	0.65
Adj. R <sup>2</sup>	0.39	0.39	0.36	0.56
Num. obs.	148	140	135	46

Reference region is Eastern Europe and Central Asia.

Table 3

## 1.4 Main Results: Logged Civil War Onsets, 1946-1988

	Baseline	Geography and climate	Resources	Slave exports
Log ISD states	0.22*** (0.06)	0.23*** (0.07)	0.20** (0.07)	0.14 (0.14)
Log population density in 1500	-0.02 (0.03)	-0.02 (0.04)	-0.01 (0.04)	0.05 (0.11)
Log mean EPR groups	0.24** (0.07)	0.22** (0.08)	0.23** (0.08)	0.11 (0.15)
Former colony	-0.10 (0.16)	-0.10 (0.17)	-0.09 (0.17)	-0.65 (0.41)
Historical conflict	0.36 (0.43)	0.25 (0.46)	0.31 (0.47)	4.77* (2.25)
Neolithic revolution	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
Area	-0.00 (0.00)	-0.00 (0.00)	-0.00 (0.00)	0.01 (0.02)
Log exported slaves				-0.02 (0.03)
Latin America and the Caribbean	0.86*** (0.17)	0.76** (0.26)	0.89*** (0.19)	
The Middle East and Nother Africa	0.68*** (0.16)	0.61** (0.21)	0.61** (0.20)	
Sub-Saharan Africa	0.55** (0.17)	0.52 (0.28)	0.61** (0.20)	1.01 (0.60)
Western Europe and North America	0.21 (0.17)	0.21 (0.19)	0.22 (0.21)	
Asia and Pacific	0.92*** (0.16)	0.89*** (0.23)	0.85*** (0.20)	
Absolute latitude		-0.09 (0.52)		
Desert (middle latitude)		0.29 (0.33)		
Landlocked		-0.11 (0.11)		
Island		-0.11 (0.16)		
Percent of world gold reserve (1997)			0.01 (0.01)	
Percent of world iron reserve (1997)			0.03 (0.05)	
Percent of world zinc reserve (1997)			0.03 (0.06)	
SILVER?			-0.05 (0.04)	
COAL?			0.10 (0.13)	
Oil (thousands of barrels per capita.)			0.00 (0.00)	
R <sup>2</sup>	0.47	0.47	0.47	0.40
Adj. R <sup>2</sup>	0.42	0.41	0.39	0.24
Num. obs.	148	140	135	46

Reference region is Eastern Europe and Central Asia.

Table 4



## 1.5 Main Results: Logged Civil War Onsets, 1989-2000

	Baseline	Geography and climate	Resources	Slave exports
Log ISD states	0.25*	0.20	0.22	0.23
	(0.11)	(0.11)	(0.12)	(0.18)
Log population density in 1500	0.07	0.05	-0.00	0.09
	(0.07)	(0.07)	(0.08)	(0.14)
Log mean EPR groups	0.23	0.28	0.33	-0.01
	(0.16)	(0.18)	(0.17)	(0.23)
Former colony	-0.45	-0.45	-0.41	-0.84
	(0.29)	(0.30)	(0.30)	(0.49)
Historical conflict	-0.31	-0.04	0.12	1.11
	(0.81)	(0.90)	(0.93)	(2.83)
Neolithic revolution	-0.00	-0.00	-0.00	-0.00
	(0.00)	(0.00)	(0.00)	(0.00)
Area	-0.00	0.00	-0.02*	-0.00
	(0.00)	(0.01)	(0.01)	(0.02)
Log exported slaves				-0.02
				(0.04)
Latin America and the Caribbean	-0.59	-0.43	-0.69	
	(0.31)	(0.41)	(0.36)	
The Middle East and Nother Africa	-0.48	-0.40	-0.22	
	(0.30)	(0.37)	(0.40)	
Sub-Saharan Africa	-0.62	-0.44	-0.59	0.47
	(0.33)	(0.44)	(0.37)	(0.78)
Western Europe and North America	-0.95*	-0.98*	-1.12*	
	(0.38)	(0.42)	(0.49)	
Asia and Pacific	-0.55	-0.46	-0.50	
	(0.29)	(0.39)	(0.37)	
Absolute latitude		0.12		
		(0.92)		
Desert (middle latitude)		-0.76		
		(0.66)		
Landlocked		0.15		
		(0.20)		
Island		0.46		
		(0.29)		
Percent of world gold reserve (1997)			-0.04	
			(0.02)	
Percent of world iron reserve (1997)			0.13	
			(0.19)	
Percent of world zinc reserve (1997)			0.13	
			(0.13)	
SILVER?			-0.01	
			(0.07)	
COAL?			0.05	
			(0.20)	
Oil (thousands of barrels per capita.)			-0.00	
			(0.00)	
R <sup>2</sup>	0.25	0.29	0.30	0.26
Adj. R <sup>2</sup>	0.14	0.13	0.12	0.02
Num. obs.	94	91	88	37

Reference region is Eastern Europe and Central Asia.

Table 5

## 1.6 Main Results: Logged Civil War Onsets, 2001-2019

	Baseline	Geography and climate	Resources	Slave exports
Log ISD states	0.16*	0.12	0.19*	0.32*
	(0.07)	(0.08)	(0.08)	(0.17)
Log population density in 1500	0.09*	0.09*	0.10*	0.10
	(0.04)	(0.04)	(0.04)	(0.13)
Log mean EPR groups	0.18*	0.18*	0.18*	−0.13
	(0.08)	(0.09)	(0.09)	(0.18)
Former colony	0.20	0.20	0.16	0.51
	(0.18)	(0.19)	(0.18)	(0.49)
Historical conflict	−0.26	−0.09	−0.66	1.41
	(0.48)	(0.51)	(0.51)	(2.66)
Neolithic revolution	0.00	0.00	0.00	0.00
	(0.00)	(0.00)	(0.00)	(0.00)
Area	0.01*	0.01*	0.01	0.04
	(0.00)	(0.00)	(0.00)	(0.02)
Log exported slaves				−0.01
				(0.03)
Latin America and the Caribbean	0.05	−0.01	0.01	
	(0.19)	(0.29)	(0.20)	
The Middle East and Nother Africa	0.46*	0.42*	0.56*	
	(0.18)	(0.23)	(0.21)	
Sub-Saharan Africa	0.38*	0.31	0.36*	0.55
	(0.19)	(0.31)	(0.21)	(0.70)
Western Europe and North America	−0.10	−0.15	−0.15	
	(0.19)	(0.21)	(0.22)	
Asia and Pacific	0.26	0.24	0.20	
	(0.18)	(0.26)	(0.22)	
Absolute latitude		−0.19		
		(0.58)		
Desert (middle latitude)		−0.53		
		(0.37)		
Landlocked		0.08		
		(0.13)		
Island		−0.03		
		(0.18)		
Percent of world gold reserve (1997)			−0.02	
			(0.01)	
Percent of world iron reserve (1997)			−0.01	
			(0.05)	
Percent of world zinc reserve (1997)			0.04	
			(0.06)	
SILVER?			−0.01	
			(0.04)	
COAL?			0.06	
			(0.14)	
Oil (thousands of barrels per capita.)			−0.00	
			(0.00)	
R <sup>2</sup>	0.35	0.36	0.39	0.37
Adj. R <sup>2</sup>	0.29	0.27	0.30	0.22
Num. obs.	148	140	135	46

Reference region is Eastern Europe and Central Asia.

Table 6

## 1.7 Alternative Measures of State History

	Wig 2016 JH	Paine 2019 SLPCS	State Antiquity AD	Fractal Index
Log ISD States	0.39 (0.21)	0.58** (0.20)	0.25** (0.09)	0.30*** (0.09)
Sum Eth. Groups with JH > 2	-0.07 (0.16)			
Log sum SLPCS groups		0.01 (0.22)		
Log sum PCS groups		-0.37 (0.39)		
Mean State Antiquity, 0 AD - 1800			0.01 (0.01)	
Alesina et al Fractal Index				0.18 (0.29)
Log population density in 1500	0.21 (0.16)	0.21 (0.14)	0.01 (0.05)	0.08 (0.05)
Log mean EPR groups	-0.00 (0.35)	-0.19 (0.32)	0.40*** (0.11)	0.37*** (0.10)
Former colony			0.04 (0.22)	
Historical conflict	2.67 (3.09)	3.69 (2.61)	-0.09 (0.58)	-0.04 (0.52)
Neolithic revolution	0.00 (0.00)	-0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
Area	0.03 (0.03)	0.03 (0.03)	0.00 (0.00)	0.00 (0.00)
Latin America and the Caribbean			0.78*** (0.22)	0.73** (0.22)
The Middle East and Nother Africa			0.94*** (0.24)	0.76*** (0.22)
Sub-Saharan Africa	0.80 (0.68)		0.92*** (0.23)	0.65** (0.24)
Western Europe and North America			-0.08 (0.24)	-0.16 (0.22)
Asia and Pacific			0.69** (0.22)	0.69** (0.22)
R <sup>2</sup>	0.50	0.64	0.52	0.49
Adj. R <sup>2</sup>	0.35	0.52	0.47	0.44
Num. obs.	35	34	136	148

Reference region is Eastern Europe and Central Asia.

Table 7: Alternative explanations

## 1.8 Regional Subsets

	SSA	Asia	Latin America	MENA	East. Europe and Central Asia	West	Former Colonies	Non-West	Early Col. Dropped
Log ISD states	0.40* (0.17)	0.35 (0.21)	0.60* (0.34)	0.19 (0.52)	-0.33 (0.31)	-0.15 (0.12)	0.42*** (0.10)	0.41*** (0.10)	0.43*** (0.10)
Log population density in 1500	0.18 (0.12)	0.06 (0.13)	-0.27 (0.17)	0.23 (0.14)	-0.03 (0.13)	-0.01 (0.09)	0.12* (0.05)	0.06 (0.05)	0.09 (0.06)
Log mean EPR groups	-0.04 (0.18)	1.25** (0.39)	0.12 (0.32)	0.28 (0.37)	0.66* (0.34)	0.25 (0.13)	0.38*** (0.11)	0.39** (0.12)	0.47*** (0.10)
Former colony								0.08 (0.29)	
Historical conflict	4.64* (2.57)	0.20 (3.10)	4.15 (4.05)	2.97 (1.91)	0.85 (1.62)	0.78 (0.63)	0.35 (1.08)	0.90 (0.95)	-0.86 (0.57)
Neolithic revolution	0.00 (0.00)	-0.00 (0.00)	-0.00 (0.00)	0.00 (0.00)	0.00* (0.00)	0.00 (0.00)	-0.00 (0.00)	0.00 (0.00)	-0.00 (0.00)
Area	0.02 (0.03)	-0.02 (0.03)	-0.02* (0.01)	0.01 (0.04)	0.00 (0.01)	0.00 (0.01)	-0.00 (0.00)	-0.00 (0.01)	0.00 (0.00)
Latin America and the Caribbean								0.86** (0.26)	
The Middle East and Nother Africa								0.77** (0.23)	
Sub-Saharan Africa								0.79** (0.27)	
Asia and Pacific								0.66** (0.23)	
R <sup>2</sup>	0.57	0.67	0.35	0.62	0.50	0.51	0.34	0.45	0.33
Adj. R <sup>2</sup>	0.49	0.49	0.10	0.39	0.34	0.33	0.30	0.39	0.30
Num. obs.	41	18	23	17	26	23	124	125	127

\*\*\* $p < 0.001$ ; \*\* $p < 0.01$ ; \* $p < 0.05$ ;  $p < 0.1$

Table 8: ISD States and Civil War Onsets by Regional Subsets



## 1.9 First Stage Mediation Equations

	DV: Log Mean EPR Groups	Log Mean EPR Excl. Groups	GDP per Capita 2000	Relative Tax Capacity (2000)	Prot. Missionaries	Years of Colonialism
Log ISD States	0.10 (0.07)	0.07 (0.07)	-0.12 (0.09)	-0.00 (0.01)	-0.35*** (0.10)	19.64 (15.46)
Log population density in 1500	-0.07 (0.04)	-0.03 (0.04)	-0.13* (0.05)	-0.02** (0.01)	-0.21*** (0.06)	-15.46* (8.89)
Log mean EPR groups						27.21 (20.74)
Former colony	0.08 (0.19)	0.05 (0.17)	-0.16 (0.11)	-0.00 (0.01)	0.32* (0.12)	59.23 (43.76)
Historical conflict	0.92* (0.50)	1.26** (0.46)	1.17 (0.64)	0.02 (0.07)	0.68 (1.04)	306.47 (189.93)
Neolithic revolution	0.00*** (0.00)	0.00*** (0.00)	-0.00 (0.00)	0.00 (0.00)	-0.00 (0.00)	-0.01* (0.01)
Area	0.01*** (0.00)	0.01*** (0.00)	-0.00 (0.00)	-0.00 (0.00)	-0.01 (0.01)	-2.61 (1.75)
Latin America and the Caribbean	-0.07 (0.19)	-0.05 (0.18)	-0.27 (0.25)	-0.01 (0.07)	0.61* (0.34)	
The Middle East and Nother Africa	-0.39* (0.18)	-0.44* (0.17)	0.50* (0.24)	0.06 (0.07)	1.01** (0.31)	146.17 (99.45)
Sub-Saharan Africa	0.53** (0.19)	0.06 (0.18)	-1.45*** (0.25)	0.00 (0.07)	0.77* (0.36)	96.85 (101.07)
Western Europe and North America	-0.57*** (0.19)	-0.72*** (0.18)	1.31*** (0.25)	0.12 (0.07)		
Asia and Pacific	0.31* (0.19)	0.07 (0.17)	-0.31 (0.24)	0.01 (0.07)	0.78* (0.32)	188.25* (99.90)
R <sup>2</sup>	0.46	0.49	0.66	0.32	0.33	0.29
Adj. R <sup>2</sup>	0.41	0.45	0.63	0.24	0.26	0.18
Num. obs.	148	148	147	118	107	73

Reference region is Eastern Europe and Central Asia.

Table 9: First Stage Mediation Equations

## 1.10 Second Stage Mediation Equations

	Log Mean EPR Groups	Log Mean EPR Excl. Groups	GDP per Capita 2000	Relative Tax Capacity (2000)	Prot. Missionaries	Years of Colonialism
Log ISD States	0.31*** (0.09)	0.32*** (0.08)	0.30*** (0.08)	0.35*** (0.09)	0.43*** (0.11)	0.50*** (0.12)
Log mean EPR groups	0.39*** (0.10)		0.30** (0.09)	0.34** (0.10)	0.37** (0.13)	0.44** (0.16)
Log Mean EPR Excl. Groups		0.45*** (0.11)				
Relative Tax Capacity (2000)				-0.43 (0.92)		
Log GDP per capita (2000)			-0.27*** (0.07)			
Years of Colonialism						0.00 (0.00)
Prot. Missionaries per 10,000					-0.19* (0.10)	
Log population density in 1500	0.08 (0.05)	0.06 (0.05)	0.04 (0.04)	0.09 (0.05)	0.04 (0.06)	0.12* (0.07)
Former colony	0.04 (0.22)	0.05 (0.21)	-0.04 (0.20)	0.13 (0.23)	0.09 (0.31)	0.00 (0.33)
Historical conflict	-0.06 (0.58)	-0.26 (0.59)	0.13 (0.54)	-0.04 (0.62)	1.66 (1.05)	1.48 (1.45)
Neolithic revolution	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)
Area	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	0.00 (0.00)	-0.01* (0.01)	-0.01 (0.01)
Latin America and the Caribbean	0.74** (0.22)	0.73** (0.22)	0.67** (0.21)	1.44* (0.68)	0.88* (0.35)	
The Middle East and Nother Africa	0.77*** (0.22)	0.82*** (0.22)	0.88*** (0.20)	1.60* (0.69)	0.79* (0.33)	0.25 (0.76)
Sub-Saharan Africa	0.71** (0.23)	0.88*** (0.22)	0.35 (0.23)	1.42* (0.68)	0.81* (0.37)	0.25 (0.76)
Western Europe and North America	-0.14 (0.23)	-0.04 (0.24)	0.16 (0.23)	0.68 (0.70)		
Asia and Pacific	0.69** (0.22)	0.78*** (0.21)	0.48* (0.20)	1.52* (0.68)	0.62* (0.33)	-0.06 (0.77)
R <sup>2</sup>	0.49	0.49	0.54	0.52	0.47	0.51
Adj. R <sup>2</sup>	0.44	0.45	0.50	0.46	0.40	0.42
Num. obs.	148	148	147	118	107	73

Reference region is Eastern Europe and Central Asia.

Table 10: Second Stage Mediation Equations