

Supplementary Materials for Bhavnani, Rikhil R. and
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Migration on Sons of the Soil Riots in India.” *World
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*Replication data and code are at <http://dx.doi.org/10.7910/DVN/29234>.

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List of Figures

4	Partial regression plot of 2SLS results (Based on Model 4, Table 2)	6
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List of Tables

5	Logistic regressions of the onset of presidential rule in Indian states, 1971–2000 . .	4
6	Summary statistics for variables used in logistic regressions of the onset of presidential rule in Indian states, 1971–2000 (Table 5)	4
7	Full results of models in Table 2. Column numbers correspond to those in main text.	5
8	Full results of models in Table 3. Column numbers correspond to those in main text.	7
9	Full results of models in Table 4. Column numbers correspond to those in main text.	8
10	States and union territories included in analysis reported in main text and Tables 12–57	9
11	Summary statistics for new variables used in Tables 12–57	10
12	Suggestive evidence that political influence attenuates migration	11
13	Ordinary least squares regressions of different rainfall measures as predictors of male migration	12
14	Results of 2SLS regressions in Table 2 with standardized variables	13
15	Results of 2SLS regressions in Table 3 with standardized variables	14
16	Results of 2SLS regressions in Table 4 with standardized variables	15
17	Re-estimation of 2SLS models in Table 2 with unweighted data	16
18	Re-estimation of 2SLS models in Table 3 with unweighted data	17
19	Re-estimation of 2SLS models in Table 4 with unweighted data	18
20	Key results of re-estimation of 2SLS models in Table 2 after dropping individual periods or states	19
21	Key results of re-estimation of 2SLS models in Table 3 after dropping individual periods or states	20
22	Key results of re-estimation of 2SLS models in Table 4 after dropping individual periods or states	21
23	Re-estimation of 2SLS models in Table 2 after 90% Winsorization of riots, male migration, and rainfall instrument	22
24	Re-estimation of 2SLS models in Table 3 after 90% Winsorization of riots, male migration, unemployment, and rainfall instrument	23
25	Re-estimation of 2SLS models in Table 4 after 90% Winsorization of riots, male migration, center-state political match, and rainfall instrument	24
26	Re-estimation of 2SLS models in Table 2 with male migrants as a percent of the population as an independent variable	25
27	Re-estimation of 2SLS models in Table 3 with male migrants as a percent of the population as an independent variable	26
28	Re-estimation of 2SLS models in Table 4 with male migrants as a percent of the population as an independent variable	27
29	Re-estimation of 2SLS models in Table 2 with all migration as an independent variable	28

30	Re-estimation of 2SLS models in Table 3 with all migration as an independent variable	29
31	Re-estimation of 2SLS models in Table 4 with all migration as an independent variable	30
32	Re-estimation of 2SLS models in Table 3 with urban native male migration interacted with urban male unemployment	31
33	Re-estimation of 2SLS models in Table 3 measuring unemployment among male natives with no more than primary school education	32
34	Re-estimation of 2SLS models in Table 3 measuring unemployment among native non-literate males	33
35	Re-estimation of 2SLS models in Table 3 with rural male migration interacted with rural native male unemployment	34
36	Re-estimation of 2SLS models in Table 2 with additional controls	35
37	Re-estimation of 2SLS models in Table 3 with additional controls	36
38	Re-estimation of 2SLS models in Table 4 with additional controls	37
39	Re-estimation of 2SLS models in Table 2 with homicides as the dependent variable	38
40	Re-estimation of 2SLS models in Table 3 with homicides as the dependent variable	39
41	Re-estimation of 2SLS models in Table 4 with homicides as the dependent variable	40
42	Re-estimation of 2SLS models in Table 2 with language-weighted abnormal rainfall instrument	41
43	Re-estimation of 2SLS models in Table 3 with language-weighted abnormal rainfall instrument	42
44	Re-estimation of 2SLS models in Table 4 with language-weighted abnormal rainfall instrument	43
45	Re-estimation of 2SLS models in Table 2 with historical migration-weighted abnormal rainfall instrument	44
46	Re-estimation of 2SLS models in Table 3 with historical migration-weighted abnormal rainfall instrument	45
47	Re-estimation of 2SLS models in Table 4 with historical migration-weighted abnormal rainfall instrument	46
48	Re-estimation of 2SLS models in Table 2 with standardized monsoon rainfall instrument	47
49	Re-estimation of 2SLS models in Table 3 with standardized monsoon rainfall instrument	48
50	Re-estimation of 2SLS models in Table 4 with standardized monsoon rainfall instrument	49
51	Re-estimation of 2SLS models in Table 4 with instrument for political alignment	50
52	Re-estimation of multi-variate OLS and 2SLS model in Table 2 including period fixed effects	51
53	Re-estimation of multi-variate OLS and 2SLS model in Table 3 including period fixed effects	52
54	Re-estimation of multi-variate OLS and 2SLS model in Table 4 including period fixed effects	53
55	Re-estimation of 2SLS models in Table 2 controlling for time trend in national weather	54

56	Re-estimation of 2SLS models in Table 3 controlling for time trend in national weather	55
57	Re-estimation of 2SLS models in Table 4 controlling for time trend in national weather	56

Table 5: Logistic regressions of the onset of presidential rule in Indian states, 1971–2000

	Presidential rule onset (13)
Center-state political match	-0.65* (0.36)
Ln riots	0.13 (0.31)
Observations	561
State dummies?	Yes
Splines of years without presidential rule?	Yes

Standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 6: Summary statistics for variables used in logistic regressions of the onset of presidential rule in Indian states, 1971–2000 (Table 5)^a

	Mean	St. Dev.	Minimum	Maximum
Presidential rule onset ^b	0.098	0.30	0	1
Center-state political match ^c	0.48	0.48	0	1
Ln riots ^d	6.9	2.2	0	10.0
Years without presidential rule ^b	6.8	6.8	0	30
Observations	561			

^a Data is in state-year format and includes all states or union territories with the institution of an elected chief minister.

^b Besley and Burgess 2002. Presidential rule onset is coded as missing during ongoing presidential rule.

^c Besley and Burgess 2002. Lagged one year.

^d National Crime Records Bureau 2001. Lagged one year.

Table 7: Full results of models in Table 2. Column numbers correspond to those in main text.

	OLS	2SLS: 1st stage	2SLS: 2nd stage
	Ln Riots (2)	Ln Male Migrants (3)	Ln Riots (4)
Ln male migrants	0.30** (0.14)		0.55*** (0.20)
Abnormal rainfall instrument		0.89*** (0.16)	
Abnormal monsoon rainfall	0.081 (0.18)	0.59*** (0.20)	-0.049 (0.16)
Ln % degraded land	0.097 (0.41)	-0.63*** (0.21)	0.24 (0.35)
Ln income per capita	0.57 (0.49)	0.84*** (0.25)	0.42 (0.38)
Ln unemployment (%), secondary educated male natives	-0.46* (0.25)	0.0065 (0.26)	-0.47** (0.22)
Ln domestic imports per capita	-0.11 (0.068)	0.11 (0.085)	-0.12* (0.061)
Ln state population	-0.16 (1.7)	0.42 (0.83)	-0.27 (1.4)
Ln native urbanization (%)	0.37 (0.67)	0.14 (0.39)	0.39 (0.53)
Ln native male children's school enrollment (%)	-3.7** (1.6)	-1.3 (1.1)	-3.7** (1.5)
Ln % aged 15–24, native males	0.47 (2.2)	0.23 (1.1)	0.58 (1.7)
Observations	138	138	138
Fixed effects?	Yes	Yes	Yes
Tests of statistical significance of migration:			
Wald F-test	4.5**		7.8***
Anderson-Rubin χ^2			8.6***
Tests of instrument strength:			
Wald F-test		31***	

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Figure 4: Partial regression plot of 2SLS results (Based on Model 4, Table 2)

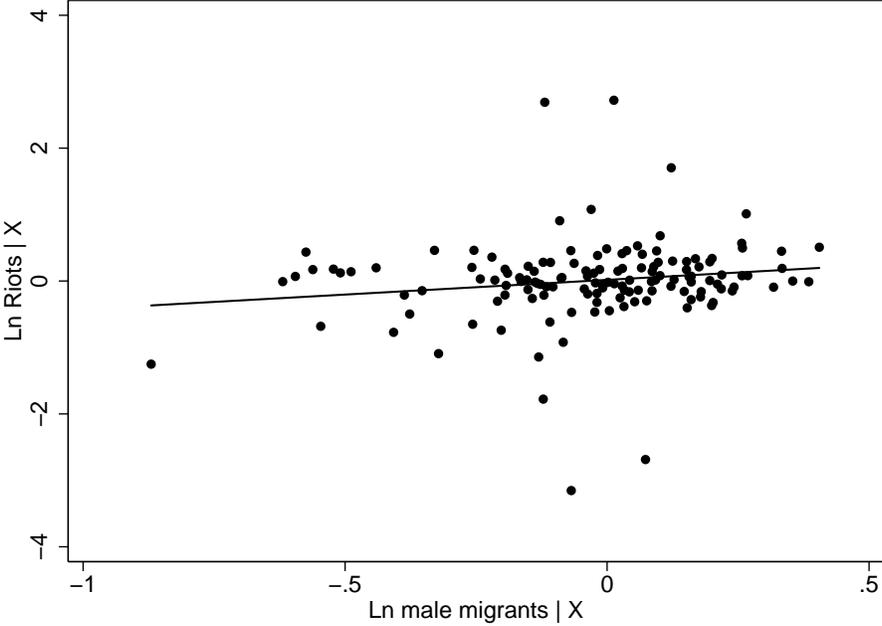


Table 8: Full results of models in Table 3. Column numbers correspond to those in main text.

	OLS	2SLS: 1st stage		2SLS: 2nd stage
	Ln Riots (5)	Ln Male Migrants (6)	Interaction Term (7)	Ln Riots (8)
Ln male migrants	0.21 (0.28)			0.15 (0.68)
Ln male migrants x Ln unemployment	0.049 (0.18)			0.19 (0.31)
Ln unemployment (%), secondary educated male natives	-0.87 (1.5)	-1.1 (1.6)	0.078 (2.8)	-2.0 (2.6)
Abnormal rainfall instrument		0.55 (0.60)	-0.77 (0.87)	
Rainfall instrument x Ln unemployment		0.19 (0.30)	1.5*** (0.51)	
Abnormal monsoon rainfall	0.072 (0.19)	0.59*** (0.20)	1.3*** (0.45)	-0.058 (0.17)
Ln % degraded land	0.079 (0.44)	-0.62*** (0.21)	-0.72 (0.44)	0.14 (0.36)
Ln income per capita	0.56 (0.50)	0.84*** (0.25)	1.8*** (0.44)	0.41 (0.40)
Ln domestic imports per capita	-0.11 (0.070)	0.11 (0.085)	0.22 (0.14)	-0.12** (0.061)
Ln state population	-0.11 (1.7)	0.57 (0.84)	1.0 (1.9)	-0.078 (1.5)
Ln native urbanization (%)	0.36 (0.69)	0.14 (0.39)	0.52 (0.71)	0.35 (0.55)
Ln native male children's school enrollment (%)	-3.7** (1.7)	-1.4 (1.1)	-3.3 (2.3)	-3.7** (1.5)
Ln % aged 15–24, native males	0.48 (2.1)	0.20 (1.1)	0.19 (2.2)	0.60 (1.7)
Observations	138	138	138	138
Fixed effects?	Yes	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:				
Wald F-test	2.7*			4.2**
Anderson-Rubin χ^2				8.5**
Tests of instrument strength:				
Angrist-Pischke F-statistic		2.1	4.7**	
Kleibergen-Paap F-statistic		2.3		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 9: Full results of models in Table 4. Column numbers correspond to those in main text.

	OLS	2SLS: 1st stage		2SLS: 2nd stage
	Ln Riots (9)	Ln Male Migrants (10)	Interaction Term (11)	Ln Riots (12)
Ln male migrants	0.27** (0.13)			0.62*** (0.20)
Ln male migrants x Political match	-0.023 (0.077)			-0.40*** (0.16)
Center-state political match	-0.14 (0.75)	-0.67 (1.3)	-0.59 (2.3)	3.3** (1.4)
Abnormal rainfall instrument		0.90*** (0.18)	-0.63** (0.29)	
Rainfall instrument x Political match		0.077 (0.24)	1.7*** (0.39)	
Abnormal monsoon rainfall	-0.018 (0.19)	0.52*** (0.19)	-0.48* (0.27)	-0.34 (0.21)
Ln % degraded land	0.20 (0.41)	-0.57*** (0.21)	0.45 (0.41)	0.58* (0.35)
Ln income per capita	0.53 (0.47)	0.82*** (0.25)	0.12 (0.33)	0.34 (0.35)
Ln unemployment (%), secondary educated male natives	-0.52** (0.23)	-0.040 (0.26)	0.11 (0.29)	-0.48** (0.21)
Ln domestic imports per capita	-0.072 (0.063)	0.13 (0.080)	-0.022 (0.15)	-0.078 (0.071)
Ln state population	-0.0061 (1.6)	0.48 (0.91)	0.11 (1.6)	0.0064 (1.4)
Ln native urbanization (%)	0.31 (0.67)	0.10 (0.38)	0.60 (0.45)	0.51 (0.52)
Ln native male children's school enrollment (%)	-3.7** (1.6)	-1.3 (1.2)	0.91 (1.4)	-3.3** (1.5)
Ln % aged 15–24, native males	0.11 (2.1)	-0.0011 (1.1)	2.7 (1.8)	1.2 (1.7)
Observations	138	138	138	138
Fixed effects?	Yes	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:				
Wald F-test	2.3			6.0***
Anderson-Rubin χ^2				15***
Tests of instrument strength:				
Angrist-Pischke F-statistic		37***	18***	
Kleibergen-Paap F-statistic		10***		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 10: States and union territories included in analysis reported in main text and Tables 12–57

State or Union Territory	Period					
	1982–86	1987–89	1990	1992–96	1997–99	2000
Andhra Pradesh	Y	Y	Y	Y	Y	Y
Arunachal Pradesh ^a			Y	Y	Y	Y
Assam	Y	Y	Y	Y	Y	Y
Bihar ^b	Y	Y	Y			
Delhi ^c				Y	Y	Y
Goa ^d		Y	Y	Y	Y	Y
Gujarat	Y	Y	Y	Y	Y	Y
Haryana	Y	Y	Y	Y	Y	Y
Himachal Pradesh	Y	Y	Y	Y	Y	Y
Karnataka	Y	Y	Y	Y	Y	Y
Kerala	Y	Y	Y	Y	Y	Y
Madhya Pradesh ^b	Y	Y	Y			
Maharashtra	Y	Y	Y	Y	Y	Y
Manipur	Y	Y	Y	Y	Y	Y
Meghalaya	Y	Y	Y	Y	Y	Y
Mizoram ^a			Y	Y	Y	Y
Nagaland	Y	Y	Y	Y	Y	Y
Orissa	Y	Y	Y	Y	Y	Y
Puducherry	Y	Y	Y	Y	Y	Y
Punjab	Y	Y	Y	Y	Y	Y
Rajasthan	Y	Y	Y	Y	Y	Y
Sikkim	Y	Y	Y	Y	Y	Y
Tamil Nadu	Y	Y	Y	Y	Y	Y
Tripura	Y	Y	Y	Y	Y	Y
Uttar Pradesh ^b	Y	Y	Y			
West Bengal	Y	Y	Y	Y	Y	Y

^a Gained statehood in 1987.

^b Bihar, Madhya Pradesh, and Uttar Pradesh were divided in 2000. The 2001 census data on length of residency from these states are not sufficiently detailed to provide estimates of migration between 1992 and 2001.

^c Union territory. Gained an elected legislative assembly in 1993.

^d In May 1987, the union territory of Goa, Daman and Diu was reorganized. Goa became a state while Daman and Diu became a new, smaller union territory. Goa maintained its existing elected assembly, which had its first elections in 1967.

Table 11: Summary statistics for new variables used in Tables 12–57^a

	Mean	St. Dev.	Minimum	Maximum
Standardized monsoon rainfall instrument ^b	6.5	0.24	6.0	7.5
Standardized monsoon rainfall ^c	0.36	0.34	0	1.5
Abnormal annual rainfall instrument ^d	5.5	0.38	4.7	6.8
Abnormal annual rainfall ^e	0.13	0.26	0	1
Ln male migrants as % population ^f	5.2	1.2	2.7	7.9
Ln migrants ^f	9.9	1.7	5.3	13
Ln urban male migrants ^f	8.6	1.8	3.8	12
Ln unemployment (%), urban, male natives ^g	1.7	0.39	0.58	2.9
Ln unemployment (%), secondary educated natives	1.7	0.48	0.49	2.8
Ln unemployment (%), non-literate male natives ^g	0.021	0.025	0	0.15
Ln unemployment (%), primary educated male natives ^g	0.024	0.021	0	0.12
Ln rural male migrants ^f	8.3	1.6	3.9	12
Ln unemployment (%), rural, male natives ^g	0.034	0.028	0.0010	0.14
Rioting in other states ^h	16	0.19	15	16
Ln effective number political parties ⁱ	1.3	0.29	0.69	2.6
Ln average electoral margin of victory ⁱ	2.7	0.32	2.1	3.9
Ln net male migration ^j	5.2	4.5	0	12
Ln initial population male migrants ^{f,g}	12	2.6	0	16
Native male average years residency ^g	9.7	3.4	1.6	24
Neighboring country disaster affected population ^k	4.6	7.0	0.24	50
Ln ntnl abnormal rainfall affected pop. ^l	10	4.7	0	13
Ln homicides ^m	6.0	1.7	2.0	9.0
Language-weighted abnormal rainfall instrument ⁿ	5.9	0.57	4.7	7.4
Historical migration instrument ^o	0.84	0.29	0.33	2.0
Center-state pol. match after ntnl election ^p	0.45	0.44	0	1
Observations	138			

^a All variables are measured at the state-level as annual averages, based on periods of unequal length. See main text for details.

^b For each Indian state, $1 \dots n$, instrument for state $i = Ln \left[\frac{\text{Standardized monsoon rainfall}_j * \text{Population}_j}{\text{Distance}_{ij}} \right]$.

^c For an Indian state, i , Standardized monsoon rainfall _{i} = $\left| \frac{\text{Monsoon rainfall}_i - \mu_i}{\sigma_i} \right|$, where μ_i is the mean and σ_i is the standard deviation of historical monsoon rainfall. Rainfall data from Sontakke et al. 2008, archived by IITM 2012 and IWP 2012.

^d For each Indian state, $1 \dots n$, instrument for state $i = Ln \left[\frac{\text{Abnormal annual rainfall}_j * \text{Population}_j}{\text{Distance}_{ij}} \right]$.

^e Dummy variable for years with 20% difference from historical average annual rainfall. Rainfall data from Sontakke et al. 2008, archived by IITM 2012 and IWP 2012.

^f Directorate of Census Operations 1991, 2001.

^g NSS 1983, 1987, 1999, compiled by Minnesota Population Center 2011.

^h For each Indian state, $1 \dots n$, Rioting in other states _{i} = $Ln \left[\frac{\text{Riots}_j * \text{Population}_j}{\text{Distance}_{ij}} \right]$.

ⁱ ECI 2015.

^j $Ln(\text{Male migrants} - \text{Male out-migration})$ if male migrants exceeds male out-migration, 0 otherwise. Based on Directorate of Census Operations 1991, 2001.

^k For $j \in (\text{Bangladesh, Bhutan, Nepal, Pakistan})$ and an Indian state, i , Neighboring country disaster affected population _{i} = $\frac{\text{Disaster affected population ('000s)}_j}{\text{Distance}_{ij}}$. Disasters data from EM-DAT 2013.

^l Given Indian states, $1 \dots n$, national population adversely-affected by abnormal monsoon rainfall is: $Ln \left[\sum_{i=1}^n \text{Abnormal rainfall}_i * \text{Population}_i \right]$. Monsoon rainfall series from Parthasarathy 2001.

^m National Crime Records Bureau 2001.

ⁿ For each Indian state, $1 \dots n$, instrument for state $i = Ln \left[\frac{\text{Abnormal monsoon rainfall}_j * \text{Population}_j}{\text{Distance}_{ij} * (1 - \rho_{ij})} \right]$ where ρ_{ij} is the probability that two people selected at random, one from state i and one from state j , speak the same language. Language data from Lacina 2010.

^o For each Indian state, $1 \dots n$, instrument for state $i = Ln \left[\frac{\text{Abnormal monsoon rainfall}_j * \text{Population}_j * \gamma_j}{\text{Distance}_{ij}} \right]$ where γ_j is the average annual rate of out-migration for state j measured from 1972–1985. Migration figures from Directorate of Census Operations 1991.

^p Average calculated after modifying the annual observations of center-state political match as follows: when a change in political alignment was due to state election or simultaneous state and federal elections, lagged value of political alignment maintained until next change in political alignment.

Table 12: Suggestive evidence that political influence attenuates migration

	OLS Ln Male Migrants (14)
Center-state political match	-0.35** (0.15)
Ln riots	0.088 (0.096)
Observations	138
State fixed effects?	Yes

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 13: Ordinary least squares regressions of different rainfall measures as predictors of male migration

	Ordinary Least Squares		
	Ln Male Migrants (15)	Ln Male Migrants (16)	Ln Male Migrants (17)
Standardized monsoon rainfall instrument	0.54 (0.36)		
Standardized monsoon rainfall	0.32* (0.18)		
Abnormal annual rainfall instrument		0.20 (0.20)	
Abnormal annual rainfall		0.37** (0.16)	
Abnormal monsoon rainfall instrument			0.89*** (0.16)
Abnormal monsoon rainfall			0.59*** (0.20)
Ln % degraded land	-0.63*** (0.21)	-0.53** (0.21)	-0.63*** (0.21)
Ln income per capita	0.67** (0.32)	0.67** (0.33)	0.84*** (0.25)
Ln unemployment (%), secondary educated male natives	0.039 (0.26)	0.035 (0.29)	0.0065 (0.26)
Ln domestic imports per capita	0.027 (0.089)	0.076 (0.088)	0.11 (0.085)
Ln state population	0.012 (0.89)	0.38 (0.96)	0.42 (0.83)
Ln native urbanization (%)	-0.059 (0.44)	-0.036 (0.45)	0.14 (0.39)
Ln native male children's school enrollment (%)	-0.62 (1.1)	-0.56 (1.2)	-1.3 (1.1)
Ln % aged 15–24, native males	-0.28 (1.2)	-0.19 (1.3)	0.23 (1.1)
Observations	138	138	138
Fixed effects?	Yes	Yes	Yes
Statistical significance of candidate instrument: Wald F-test	2.3	1.1	31***

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 14: Results of 2SLS regressions in Table 2 with standardized variables

	2SLS: 1st stage	2SLS: 2nd stage
	Ln Male Migrants (18)	Ln Riots (19)
Abnormal rainfall instrument	0.20*** (0.037)	
Ln male migrants		0.92*** (0.33)
Abnormal monsoon rainfall	0.091*** (0.031)	-0.013 (0.042)
Ln % degraded land	-0.33*** (0.11)	0.20 (0.31)
Ln income per capita	0.29*** (0.086)	0.24 (0.22)
Ln unemployment (%), secondary educated male natives	0.0019 (0.075)	-0.23** (0.11)
Ln domestic imports per capita	0.11 (0.088)	-0.21* (0.11)
Ln state population	0.45 (0.89)	-0.48 (2.5)
Ln native urbanization (%)	0.046 (0.13)	0.22 (0.30)
Ln native male children's school enrollment (%)	-0.13 (0.11)	-0.64** (0.26)
Ln % aged 15–24, native males	0.011 (0.053)	0.046 (0.13)
Observations	138	138
Fixed effects?	Yes	Yes
Tests of statistical significance of migration:		
Wald F-test		7.8***
Anderson-Rubin χ^2		8.6***
Tests of instrument strength:		
Wald F-test	31***	

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 15: Results of 2SLS regressions in Table 3 with standardized variables

	2SLS: 1st stage		2SLS: 2nd stage
	Ln Male Migrants (20)	Interaction Term (21)	Ln Riots (22)
Abnormal rainfall instrument	0.21*** (0.036)	0.13* (0.068)	
Abnormal rainfall instrument x Ln unemployment	0.021 (0.033)	0.26*** (0.083)	
Ln male migrants			0.83** (0.35)
Ln male migrants x Ln unemployment			0.15 (0.25)
Ln unemployment (%), secondary educated male natives	0.0023 (0.077)	-0.56*** (0.20)	-0.14 (0.16)
Abnormal monsoon rainfall	0.090*** (0.030)	0.056 (0.067)	-0.015 (0.043)
Ln % degraded land	-0.32*** (0.11)	0.45* (0.26)	0.12 (0.31)
Ln income per capita	0.29*** (0.085)	0.16 (0.17)	0.24 (0.22)
Ln domestic imports per capita	0.11 (0.088)	0.058 (0.14)	-0.21** (0.10)
Ln state population	0.61 (0.90)	-0.056 (2.1)	-0.14 (2.7)
Ln native urbanization (%)	0.048 (0.13)	0.18 (0.30)	0.20 (0.31)
Ln native male children's school enrollment (%)	-0.15 (0.11)	-0.16 (0.25)	-0.65** (0.26)
Ln % aged 15–24, native males	0.0097 (0.054)	-0.018 (0.11)	0.047 (0.14)
Observations	138	138	138
Fixed effects?	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:			
Wald F-test			4.2**
Anderson-Rubin χ^2			8.5**
Tests of instrument strength:			
Angrist-Pischke F-statistic	22***	8.2***	
Kleibergen-Paap F-statistic	2.3		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 16: Results of 2SLS regressions in Table 4 with standardized variables

	2SLS: 1st stage		2SLS: 2nd stage
	Ln Male Migrants (23)	Interaction Term (24)	Ln Riots (25)
Abnormal rainfall instrument	0.21*** (0.035)	-0.20* (0.11)	
Abnormal rainfall instrument x Political match	0.0077 (0.023)	0.38*** (0.089)	
Ln male migrants			0.81*** (0.31)
Ln male migrants x Political match			-0.29*** (0.11)
Center-state political match	-0.061** (0.029)	-0.13 (0.13)	-0.17** (0.068)
Abnormal monsoon rainfall	0.080*** (0.029)	-0.24** (0.091)	-0.087 (0.054)
Ln % degraded land	-0.29*** (0.11)	0.77 (0.50)	0.50* (0.30)
Ln income per capita	0.28*** (0.086)	-0.13 (0.24)	0.19 (0.20)
Ln unemployment (%), secondary educated male natives	-0.012 (0.074)	0.079 (0.18)	-0.23** (0.099)
Ln domestic imports per capita	0.14 (0.083)	-0.16 (0.32)	-0.13 (0.12)
Ln state population	0.52 (0.98)	-0.15 (4.1)	0.011 (2.5)
Ln native urbanization (%)	0.034 (0.13)	0.44 (0.34)	0.29 (0.29)
Ln native male children's school enrollment (%)	-0.14 (0.12)	0.33 (0.36)	-0.58** (0.26)
Ln % aged 15–24, native males	-0.000054 (0.053)	0.29 (0.20)	0.099 (0.13)
Observations	138	138	138
Fixed effects?	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:			
Wald F-test			6.0***
Anderson-Rubin χ^2			15***
Tests of instrument strength:			
Angrist-Pischke F-statistic	35***	18***	
Kleibergen-Paap F-statistic	10***		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 17: Re-estimation of 2SLS models in Table 2 with unweighted data

	2SLS: 1st stage	2SLS: 2nd stage
	Ln Male Migrants (26)	Ln Riots (27)
Abnormal rainfall instrument	0.85*** (0.15)	
Ln male migrants		0.48** (0.21)
Abnormal monsoon rainfall	0.50*** (0.17)	0.077 (0.15)
Ln % degraded land	-0.54*** (0.20)	0.17 (0.40)
Ln income per capita	0.75*** (0.19)	0.37 (0.37)
Ln unemployment (%), secondary educated male natives	0.085 (0.22)	-0.32 (0.25)
Ln domestic imports per capita	0.061 (0.067)	-0.084 (0.056)
Ln state population	0.40 (0.74)	0.48 (1.7)
Ln native urbanization (%)	0.42 (0.32)	0.42 (0.57)
Ln native male children's school enrollment (%)	-0.70 (0.90)	-4.7*** (1.6)
Ln % aged 15–24, native males	0.58 (1.0)	0.58 (2.0)
Observations	138	138
Fixed effects?	Yes	Yes
Tests of statistical significance of migration:		
Wald F-test		5.3**
Anderson-Rubin χ^2		5.3**
Tests of instrument strength:		
Wald F-test	32***	

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 18: Re-estimation of 2SLS models in Table 3 with unweighted data

	2SLS: 1st stage		2SLS: 2nd stage
	Ln Male Migrants (28)	Interaction Term (29)	Ln Riots (30)
Abnormal rainfall instrument	0.97** (0.45)	0.074 (0.65)	
Rainfall instrument x Ln unemployment	-0.069 (0.23)	0.78* (0.41)	
Ln male migrants			0.51 (0.52)
Ln male migrants x Ln unemployment			-0.022 (0.29)
Ln unemployment (%), secondary educated male natives	0.47 (1.3)	4.3* (2.3)	-0.13 (2.5)
Abnormal monsoon rainfall	0.49*** (0.17)	0.95** (0.37)	0.079 (0.15)
Ln % degraded land	-0.54*** (0.21)	-0.61 (0.49)	0.18 (0.39)
Ln income per capita	0.75*** (0.19)	1.6*** (0.40)	0.38 (0.40)
Ln domestic imports per capita	0.061 (0.068)	0.098 (0.11)	-0.084 (0.056)
Ln state population	0.35 (0.76)	-0.018 (2.0)	0.45 (1.7)
Ln native urbanization (%)	0.41 (0.32)	0.62 (0.54)	0.41 (0.57)
Ln native male children's school enrollment (%)	-0.62 (0.91)	-1.1 (2.2)	-4.6*** (1.6)
Ln % aged 15–24, native males	0.58 (1.0)	0.081 (2.1)	0.56 (2.0)
Observations	138	138	138
Fixed effects?	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:			
Wald F-test			2.7*
Anderson-Rubin χ^2			5.4*
Tests of instrument strength:			
Angrist-Pischke F-statistic	4.3**	4.5**	
Kleibergen-Paap F-statistic	5.0***		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 19: Re-estimation of 2SLS models in Table 4 with unweighted data

	2SLS: 1st stage		2SLS: 2nd stage
	Ln Male Migrants (31)	Interaction Term (32)	Ln Riots (33)
Abnormal rainfall instrument	0.88*** (0.16)	-0.72** (0.30)	
Rainfall instrument x Political match	0.015 (0.18)	1.5*** (0.40)	
Ln male migrants			0.46** (0.19)
Ln male migrants x Political match			-0.39** (0.16)
Center-state political match	-0.27 (1.0)	0.49 (2.3)	3.2** (1.5)
Abnormal monsoon rainfall	0.46*** (0.16)	-0.48** (0.18)	-0.16 (0.17)
Ln % degraded land	-0.46** (0.21)	0.65 (0.44)	0.55 (0.38)
Ln income per capita	0.75*** (0.19)	-0.13 (0.22)	0.34 (0.35)
Ln unemployment (%), secondary educated male natives	0.040 (0.22)	-0.043 (0.25)	-0.37 (0.25)
Ln domestic imports per capita	0.089 (0.067)	-0.045 (0.13)	-0.032 (0.062)
Ln state population	0.40 (0.80)	1.1 (1.4)	0.96 (1.7)
Ln native urbanization (%)	0.40 (0.32)	0.25 (0.41)	0.42 (0.55)
Ln native male children's school enrollment (%)	-0.68 (0.96)	0.54 (1.2)	-4.5*** (1.6)
Ln % aged 15–24, native males	0.51 (1.0)	0.81 (1.8)	0.75 (1.9)
Observations	138	138	138
Fixed effects?	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:			
Wald F-test			4.9***
Anderson-Rubin χ^2			11***
Tests of instrument strength:			
Angrist-Pischke F-statistic	36***	14***	
Kleibergen-Paap F-statistic	9.2***		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 20: Key results of re-estimation of 2SLS models in Table 2 after dropping individual periods or states

Dropped	2SLS results for migration		
	Coefficient	Standard error	p-value
1982-86	0.491	0.320	0.124
1987-89	2.724	2.137	0.202
1990	0.488	0.198	0.0135
1992-96	0.371	0.137	0.00701
1997-99	0.535	0.203	0.00839
2000	0.699	0.257	0.00660
Andhra Pradesh	0.562	0.208	0.00686
Arunachal Pradesh	0.561	0.193	0.00373
Assam	0.553	0.195	0.00445
Bihar	0.579	0.205	0.00469
Delhi	0.547	0.196	0.00527
Goa	0.522	0.188	0.00555
Gujarat	0.571	0.203	0.00499
Haryana	0.464	0.195	0.0170
Himachal Pradesh	0.492	0.203	0.0154
Karnataka	0.594	0.201	0.00318
Kerala	0.563	0.203	0.00560
Madhya Pradesh	0.565	0.201	0.00494
Maharashtra	0.579	0.201	0.00391
Manipur	0.599	0.213	0.00494
Meghalaya	0.409	0.186	0.0280
Mizoram	0.564	0.198	0.00442
Nagaland	0.565	0.205	0.00572
Orissa	0.583	0.199	0.00340
Puducherry	0.548	0.196	0.00512
Punjab	0.524	0.199	0.00845
Rajasthan	0.576	0.206	0.00512
Sikkim	0.401	0.190	0.0352
Tamil Nadu	0.597	0.213	0.00501
Tripura	0.571	0.194	0.00329
Uttar Pradesh	0.568	0.205	0.00557
West Bengal	0.567	0.197	0.00399

Table 21: Key results of re-estimation of 2SLS models in Table 3 after dropping individual periods or states

Dropped	2SLS results for migration			2SLS results for interaction term		
	Coefficient	Standard error	p-value	Coefficient	Standard error	p-value
1982-86	1.358	1.460	0.352	-0.503	0.789	0.524
1987-89	-0.730	1.735	0.674	1.680	0.945	0.0755
1990	-0.546	1.101	0.620	0.470	0.475	0.323
1992-96	0.470	0.323	0.145	-0.0523	0.188	0.781
1997-99	0.674	0.897	0.452	-0.0666	0.391	0.865
2000	0.257	0.698	0.713	0.184	0.277	0.506
Andhra Pradesh	0.166	0.681	0.807	0.189	0.314	0.547
Arunachal Pradesh	0.266	0.620	0.667	0.142	0.287	0.621
Assam	0.138	0.670	0.837	0.199	0.307	0.516
Bihar	0.171	0.683	0.802	0.194	0.311	0.532
Delhi	0.165	0.690	0.810	0.182	0.314	0.563
Goa	0.135	0.677	0.842	0.182	0.296	0.538
Gujarat	0.214	0.688	0.756	0.169	0.310	0.586
Haryana	-0.122	0.852	0.886	0.274	0.383	0.474
Himachal Pradesh	0.103	0.673	0.879	0.191	0.314	0.544
Karnataka	0.210	0.666	0.752	0.185	0.308	0.549
Kerala	0.0788	0.726	0.914	0.237	0.344	0.491
Madhya Pradesh	0.170	0.682	0.803	0.189	0.311	0.544
Maharashtra	0.161	0.702	0.818	0.199	0.319	0.532
Manipur	0.398	0.870	0.647	0.0941	0.391	0.810
Meghalaya	-0.618	0.609	0.311	0.480	0.281	0.0871
Mizoram	0.127	0.738	0.863	0.206	0.336	0.540
Nagaland	0.362	0.805	0.653	0.0925	0.346	0.789
Orissa	0.143	0.691	0.836	0.210	0.317	0.508
Puducherry	0.154	0.682	0.821	0.188	0.311	0.546
Punjab	0.479	0.676	0.479	0.0214	0.307	0.944
Rajasthan	0.00545	0.691	0.994	0.276	0.321	0.389
Sikkim	0.693	0.623	0.266	-0.144	0.271	0.594
Tamil Nadu	0.0663	0.685	0.923	0.255	0.312	0.413
Tripura	0.270	0.718	0.707	0.142	0.326	0.664
Uttar Pradesh	0.183	0.694	0.792	0.182	0.313	0.561
West Bengal	0.125	0.690	0.857	0.211	0.313	0.501

Table 22: Key results of re-estimation of 2SLS models in Table 4 after dropping individual periods or states

Dropped	2SLS results for migration			2SLS results for interaction term		
	Coefficient	Standard error	p-value	Coefficient	Standard error	p-value
1982-86	0.402	0.322	0.213	-0.272	0.201	0.176
1987-89	-2.635	15.24	0.863	-2.345	8.018	0.770
1990	0.636	0.218	0.00361	-0.404	0.187	0.0305
1992-96	0.592	0.181	0.00105	-0.653	0.211	0.00197
1997-99	0.581	0.199	0.00344	-0.318	0.143	0.0268
2000	0.903	0.302	0.00280	-0.481	0.188	0.0105
Andhra Pradesh	0.644	0.211	0.00225	-0.407	0.157	0.00974
Arunachal Pradesh	0.645	0.202	0.00143	-0.423	0.164	0.00997
Assam	0.644	0.198	0.00117	-0.382	0.151	0.0113
Bihar	0.629	0.205	0.00215	-0.392	0.159	0.0135
Delhi	0.620	0.199	0.00180	-0.399	0.155	0.0103
Goa	0.560	0.189	0.00301	-0.396	0.143	0.00567
Gujarat	0.643	0.206	0.00175	-0.416	0.165	0.0118
Haryana	0.541	0.205	0.00820	-0.456	0.157	0.00374
Himachal Pradesh	0.538	0.198	0.00658	-0.392	0.138	0.00465
Karnataka	0.703	0.203	0.000529	-0.441	0.163	0.00666
Kerala	0.661	0.203	0.00113	-0.330	0.160	0.0394
Madhya Pradesh	0.617	0.202	0.00220	-0.411	0.161	0.0105
Maharashtra	0.661	0.201	0.00102	-0.355	0.152	0.0196
Manipur	0.721	0.232	0.00185	-0.559	0.227	0.0137
Meghalaya	0.516	0.207	0.0125	-0.370	0.170	0.0297
Mizoram	0.680	0.210	0.00122	-0.435	0.171	0.0110
Nagaland	0.618	0.214	0.00391	-0.601	0.197	0.00226
Orissa	0.632	0.201	0.00166	-0.387	0.157	0.0138
Puducherry	0.622	0.199	0.00178	-0.401	0.155	0.00984
Punjab	0.596	0.206	0.00388	-0.405	0.165	0.0142
Rajasthan	0.607	0.202	0.00272	-0.371	0.170	0.0291
Sikkim	0.482	0.186	0.00962	-0.232	0.125	0.0634
Tamil Nadu	0.674	0.214	0.00161	-0.412	0.156	0.00806
Tripura	0.628	0.199	0.00158	-0.417	0.173	0.0159
Uttar Pradesh	0.639	0.207	0.00200	-0.405	0.161	0.0117
West Bengal	0.637	0.199	0.00141	-0.405	0.155	0.00917

Table 23: Re-estimation of 2SLS models in Table 2 after 90% Winsorization of riots, male migration, and rainfall instrument

	2SLS: 1st stage	2SLS: 2nd stage
	Ln Male Migrants (34)	Ln Riots (35)
Abnormal rainfall instrument	0.84*** (0.22)	
Ln male migrants		0.54** (0.24)
Abnormal monsoon rainfall	0.66*** (0.17)	-0.17 (0.17)
Ln % degraded land	-0.44** (0.21)	-0.12 (0.28)
Ln income per capita	0.62*** (0.22)	0.27 (0.34)
Ln unemployment (%), secondary educated male natives	-0.011 (0.30)	-0.65*** (0.24)
Ln domestic imports per capita	0.047 (0.072)	-0.079 (0.058)
Ln state population	-0.053 (0.79)	-0.35 (1.2)
Ln native urbanization (%)	0.23 (0.36)	0.17 (0.44)
Ln native male children's school enrollment (%)	-0.48 (0.99)	-3.8*** (1.3)
Ln % aged 15–24, native males	0.93 (1.2)	-0.19 (1.4)
Observations	138	138
Fixed effects?	Yes	Yes
Tests of statistical significance of migration:		
Wald F-test		4.9**
Anderson-Rubin χ^2		5.2**
Tests of instrument strength:		
Wald F-test	15***	

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 24: Re-estimation of 2SLS models in Table 3 after 90% Winsorization of riots, male migration, unemployment, and rainfall instrument

	2SLS: 1st stage		2SLS: 2nd stage
	Ln Male Migrants (36)	Interaction Term (37)	Ln Riots (38)
Abnormal rainfall instrument	0.51 (0.93)	-0.67 (1.5)	
Abnormal rainfall instrument x Ln unemployment	0.17 (0.46)	1.3 (0.80)	
Ln male migrants			-0.28 (1.1)
Ln male migrants x Ln unemployment			0.38 (0.50)
Ln unemployment (%), secondary educated male natives	-0.99 (2.6)	1.9 (4.4)	-4.3 (4.7)
Abnormal monsoon rainfall	0.65*** (0.17)	1.3*** (0.39)	-0.14 (0.17)
Ln % degraded land	-0.43** (0.21)	-0.29 (0.41)	-0.35 (0.36)
Ln income per capita	0.62*** (0.22)	1.5*** (0.46)	0.20 (0.35)
Ln domestic imports per capita	0.046 (0.072)	0.15 (0.12)	-0.10 (0.061)
Ln state population	0.047 (0.82)	0.064 (1.9)	-0.12 (1.3)
Ln native urbanization (%)	0.24 (0.36)	1.2 (0.71)	-0.067 (0.57)
Ln native male children's school enrollment (%)	-0.57 (1.0)	-0.83 (2.1)	-4.1*** (1.3)
Ln % aged 15–24, native males	0.92 (1.2)	2.0 (2.3)	-0.21 (1.4)
Observations	138	138	138
Fixed effects?	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:			
Wald F-test			2.7*
Anderson-Rubin χ^2			5.0*
Tests of instrument strength:			
Angrist-Pischke F-statistic	0.74	1.4	
Kleibergen-Paap F-statistic	1.6		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 25: Re-estimation of 2SLS models in Table 4 after 90% Winsorization of riots, male migration, center-state political match, and rainfall instrument

	2SLS: 1st stage		2SLS: 2nd stage
	Ln Male Migrants (39)	Interaction Term (40)	Ln Riots (41)
Abnormal rainfall instrument	0.81*** (0.24)	-0.81*** (0.31)	
Abnormal rainfall instrument x Political match	0.19 (0.31)	1.8*** (0.43)	
Ln male migrants			0.59** (0.24)
Ln male migrants x Political match			-0.44*** (0.17)
Center-state political match	-1.3 (1.7)	-1.4 (2.4)	3.7** (1.5)
Abnormal monsoon rainfall	0.60*** (0.17)	-0.37* (0.22)	-0.42* (0.22)
Ln % degraded land	-0.39* (0.23)	0.38 (0.35)	0.17 (0.26)
Ln income per capita	0.61*** (0.22)	0.12 (0.30)	0.25 (0.31)
Ln unemployment (%), secondary educated male natives	-0.080 (0.30)	0.083 (0.32)	-0.63** (0.25)
Ln domestic imports per capita	0.066 (0.070)	-0.058 (0.12)	-0.063 (0.061)
Ln state population	-0.031 (0.90)	-0.26 (1.3)	-0.28 (1.3)
Ln native urbanization (%)	0.20 (0.35)	0.56 (0.43)	0.35 (0.45)
Ln native male children's school enrollment (%)	-0.56 (1.0)	1.1 (1.3)	-3.4*** (1.3)
Ln % aged 15–24, native males	0.76 (1.2)	3.0* (1.6)	0.75 (1.5)
Observations	138	138	138
Fixed effects?	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:			
Wald F-test			4.9***
Anderson-Rubin χ^2			13***
Tests of instrument strength:			
Angrist-Pischke F-statistic	17***	19***	
Kleibergen-Paap F-statistic	6.1***		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 26: Re-estimation of 2SLS models in Table 2 with male migrants as a percent of the population as an independent variable

	2SLS: 1st stage	2SLS: 2nd stage
	Ln % Male Migrants (42)	Ln Riots (43)
Abnormal rainfall instrument	0.89*** (0.16)	
Ln male migrants as share of population		0.55*** (0.20)
Abnormal monsoon rainfall	0.59*** (0.20)	-0.047 (0.16)
Ln % degraded land	-0.63*** (0.21)	0.24 (0.36)
Ln income per capita	0.84*** (0.25)	0.42 (0.38)
Ln unemployment (%), secondary educated male natives	0.0096 (0.26)	-0.48** (0.22)
Ln domestic imports per capita	0.11 (0.085)	-0.12** (0.061)
Ln state population	-0.57 (0.83)	0.27 (1.4)
Ln native urbanization (%)	0.13 (0.39)	0.39 (0.53)
Ln native male children's school enrollment (%)	-1.2 (1.1)	-3.7** (1.5)
Ln % aged 15–24, native males	0.22 (1.1)	0.58 (1.7)
Observations	138	138
Fixed effects?	Yes	Yes
Tests of statistical significance of migration:		
Wald F-test		7.8***
Anderson-Rubin χ^2		8.6***
Tests of instrument strength:		
Wald F-test	30***	

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 27: Re-estimation of 2SLS models in Table 3 with male migrants as a percent of the population as an independent variable

	2SLS: 1st stage		2SLS: 2nd stage
	Ln % Male Migrants (44)	Interaction Term (45)	Ln Riots (46)
Abnormal rainfall instrument	0.55 (0.60)	-0.11 (0.83)	
Rainfall instrument x Ln unemployment	0.19 (0.30)	0.97** (0.47)	
Ln male migrants as share of population			-0.046 (1.0)
Ln male migrants share x Ln unemployment			0.32 (0.55)
Ln unemployment (%), secondary educated male natives	-1.1 (1.6)	-0.070 (2.6)	-2.2 (3.0)
Abnormal monsoon rainfall	0.58*** (0.20)	1.0*** (0.38)	-0.038 (0.17)
Ln % degraded land	-0.62*** (0.21)	-1.00*** (0.37)	0.20 (0.34)
Ln income per capita	0.83*** (0.25)	1.9*** (0.58)	0.29 (0.42)
Ln domestic imports per capita	0.11 (0.085)	0.24* (0.13)	-0.14** (0.068)
Ln state population	-0.42 (0.83)	-0.72 (1.7)	0.41 (1.5)
Ln native urbanization (%)	0.14 (0.39)	0.25 (0.64)	0.40 (0.54)
Ln native male children's school enrollment (%)	-1.4 (1.1)	-2.8 (1.9)	-3.7** (1.5)
Ln % aged 15–24, native males	0.20 (1.1)	0.70 (2.1)	0.45 (1.7)
Observations	138	138	138
Fixed effects?	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:			
Wald F-test			4.0**
Anderson-Rubin χ^2			8.5**
Tests of instrument strength:			
Angrist-Pischke F-statistic	1.00	1.8	
Kleibergen-Paap F-statistic	1.8		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 28: Re-estimation of 2SLS models in Table 4 with male migrants as a percent of the population as an independent variable

	2SLS: 1st stage		2SLS: 2nd stage
	Ln % Male Migrants (47)	Interaction Term (48)	Ln Riots (49)
Abnormal rainfall instrument	0.90*** (0.18)	0.039 (0.20)	
Rainfall instrument x Political match	0.075 (0.23)	1.3*** (0.30)	
Ln male migrants as share of population			0.93*** (0.25)
Ln male migrants share x Political match			-0.54** (0.21)
Center-state political match	-0.66 (1.3)	-2.5 (1.7)	2.4** (1.1)
Abnormal monsoon rainfall	0.52*** (0.19)	0.19 (0.28)	-0.20 (0.19)
Ln % degraded land	-0.57*** (0.21)	0.16 (0.22)	0.66* (0.37)
Ln income per capita	0.81*** (0.25)	-0.31 (0.22)	-0.12 (0.38)
Ln unemployment (%), secondary educated male natives	-0.036 (0.26)	0.0016 (0.27)	-0.51*** (0.20)
Ln domestic imports per capita	0.13 (0.080)	0.20*** (0.070)	-0.0015 (0.082)
Ln state population	-0.51 (0.91)	1.7 (1.2)	1.6 (1.3)
Ln native urbanization (%)	0.097 (0.38)	0.095 (0.45)	0.30 (0.54)
Ln native male children's school enrollment (%)	-1.3 (1.1)	-0.51 (1.5)	-3.6*** (1.3)
Ln % aged 15–24, native males	-0.0052 (1.1)	-1.3 (1.4)	-0.51 (1.7)
Observations	138	138	138
Fixed effects?	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:			
Wald F-test			6.7***
Anderson-Rubin χ^2			15***
Tests of instrument strength:			
Angrist-Pischke F-statistic	25***	18***	
Kleibergen-Paap F-statistic	8.6***		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 29: Re-estimation of 2SLS models in Table 2 with all migration as an independent variable

	2SLS: 1st stage	2SLS: 2nd stage
	Ln Migrants (50)	Ln Riots (51)
Abnormal rainfall instrument	0.84*** (0.15)	
Ln migrants		0.57*** (0.20)
Abnormal monsoon rainfall	0.39** (0.18)	0.048 (0.16)
Ln % degraded land	-0.51** (0.20)	0.19 (0.35)
Ln income per capita	0.70*** (0.23)	0.44 (0.37)
Ln unemployment (%), secondary educated natives	-0.080 (0.24)	-0.47** (0.22)
Ln domestic imports per capita	0.078 (0.080)	-0.11* (0.059)
Ln state population	0.70 (0.74)	-0.38 (1.4)
Ln native urbanization (%)	0.053 (0.36)	0.43 (0.53)
Ln native male children's school enrollment (%)	-1.6* (0.95)	-3.5** (1.5)
Ln % aged 15–24, native males	0.19 (1.0)	0.69 (1.7)
Observations	138	138
Fixed effects?	Yes	Yes
Tests of statistical significance of migration:		
Wald F-test		7.7***
Anderson-Rubin χ^2		8.8***
Tests of instrument strength:		
Wald F-test	31***	

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 30: Re-estimation of 2SLS models in Table 3 with all migration as an independent variable

	2SLS: 1st stage		2SLS: 2nd stage
	Ln Migrants (52)	Interaction Term (53)	Ln Riots (54)
Abnormal rainfall instrument	0.49 (0.58)	-1.3 (0.87)	
Abnormal rainfall instrument x Ln unemployment	0.21 (0.31)	1.8*** (0.53)	
Ln migrants			0.25 (0.53)
Ln migrants x Ln unemployment			0.16 (0.24)
Ln unemployment (%), secondary educated natives	-1.2 (1.7)	-1.4 (2.9)	-1.8 (2.1)
Abnormal monsoon rainfall	0.38** (0.17)	0.78** (0.39)	0.040 (0.16)
Ln % degraded land	-0.50** (0.19)	-0.31 (0.43)	0.080 (0.35)
Ln income per capita	0.70*** (0.22)	1.5*** (0.39)	0.43 (0.38)
Ln domestic imports per capita	0.074 (0.081)	0.16 (0.12)	-0.12* (0.061)
Ln state population	0.84 (0.73)	1.6 (1.6)	-0.22 (1.4)
Ln native urbanization (%)	0.069 (0.36)	0.44 (0.64)	0.40 (0.54)
Ln native male children's school enrollment (%)	-1.7* (0.93)	-4.1** (2.1)	-3.6** (1.5)
Ln % aged 15–24, native males	0.20 (1.1)	0.21 (1.9)	0.73 (1.7)
Observations	138	138	138
Fixed effects?	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:			
Wald F-test			4.1**
Anderson-Rubin χ^2			8.7**
Tests of instrument strength:			
Angrist-Pischke F-statistic	3.2*	7.0***	
Kleibergen-Paap F-statistic	3.4**		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 31: Re-estimation of 2SLS models in Table 4 with all migration as an independent variable

	2SLS: 1st stage		2SLS: 2nd stage
	Ln Migrants (55)	Interaction Term (56)	Ln Riots (57)
Abnormal rainfall instrument	0.82*** (0.17)	-0.77** (0.31)	
Rainfall instrument x Political match	0.13 (0.21)	1.8*** (0.42)	
Ln migrants			0.61*** (0.20)
Ln migrants x Political match			-0.35** (0.14)
Center-state political match	-0.93 (1.2)	-0.54 (2.4)	3.0** (1.4)
Abnormal monsoon rainfall	0.32* (0.17)	-0.57** (0.28)	-0.23 (0.19)
Ln % degraded land	-0.45** (0.19)	0.50 (0.43)	0.50 (0.33)
Ln income per capita	0.67*** (0.22)	0.12 (0.35)	0.38 (0.33)
Ln unemployment (%), secondary educated natives	-0.15 (0.24)	0.038 (0.27)	-0.49** (0.22)
Ln domestic imports per capita	0.095 (0.075)	-0.064 (0.15)	-0.075 (0.064)
Ln state population	0.77 (0.78)	0.35 (1.7)	-0.044 (1.4)
Ln native urbanization (%)	0.018 (0.35)	0.62 (0.47)	0.55 (0.50)
Ln native male children's school enrollment (%)	-1.7* (0.99)	0.47 (1.5)	-3.4** (1.5)
Ln % aged 15–24, native males	0.012 (1.0)	2.6 (1.9)	1.2 (1.6)
Observations	138	138	138
Fixed effects?	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:			
Wald F-test			6.0***
Anderson-Rubin χ^2			15***
Tests of instrument strength:			
Angrist-Pischke F-statistic	38***	18***	
Kleibergen-Paap F-statistic	11***		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 32: Re-estimation of 2SLS models in Table 3 with urban native male migration interacted with urban male unemployment

	2SLS: 1st stage		2SLS: 2nd stage
	Ln Urban Male Migrants (58)	Interaction Term (59)	Ln Riots (60)
Abnormal rainfall instrument	0.94 (0.75)	-0.22 (1.7)	
Abnormal rainfall instrument x Ln unemployment	0.034 (0.42)	1.4 (1.0)	
Ln urban male migrants			-0.75 (1.1)
Ln urban male migrants x Ln unemployment			0.56 (0.49)
Ln unemployment (%), urban, male natives	-0.31 (2.3)	0.032 (5.7)	-4.4 (3.8)
Abnormal monsoon rainfall	0.33* (0.19)	1.0* (0.57)	-0.037 (0.30)
Ln % degraded land	-0.77*** (0.17)	-1.3** (0.60)	0.060 (0.43)
Ln income per capita	0.71*** (0.26)	1.6*** (0.50)	0.57 (0.49)
Ln domestic imports per capita	-0.0048 (0.071)	0.042 (0.16)	-0.078 (0.075)
Ln state population	0.14 (0.96)	-0.96 (2.5)	0.88 (1.9)
Ln native urbanization (%)	0.24 (0.40)	1.2 (1.0)	0.092 (0.80)
Ln native male children's school enrollment (%)	-2.2** (0.95)	-5.8* (3.0)	-2.7 (1.9)
Ln % aged 15–24, native males	0.79 (1.2)	1.3 (3.0)	0.46 (2.0)
Observations	138	138	138
Fixed effects?	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:			
Wald F-test			2.6*
Anderson-Rubin χ^2			7.4**
Tests of instrument strength:			
Angrist-Pischke F-statistic	1.9	1.6	
Kleibergen-Paap F-statistic	1.4		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 33: Re-estimation of 2SLS models in Table 3 measuring unemployment among male natives with no more than primary school education

	2SLS: 1st stage		2SLS: 2nd stage
	Ln Male Migrants (61)	Interaction Term (62)	Ln Riots (63)
Abnormal rainfall instrument	1.3*** (0.17)	0.019* (0.010)	
Abnormal rainfall instrument x Ln unemployment	-2.4 (4.5)	0.20 (0.46)	
Ln male migrants			0.49 (0.48)
Ln male migrants x Ln unemployment			-11 (23)
Ln unemployment (%), primary educated male natives	15 (26)	8.3*** (2.7)	120 (210)
Abnormal monsoon rainfall	0.70** (0.34)	0.026 (0.017)	0.40 (0.34)
Ln % degraded land	-0.15 (0.18)	-0.00000096 (0.012)	0.20 (0.39)
Ln income per capita	0.81*** (0.15)	0.016* (0.0085)	0.76 (0.53)
Ln domestic imports per capita	-0.025 (0.057)	0.0014 (0.0030)	-0.032 (0.098)
Ln state population	1.3** (0.63)	0.080 (0.071)	1.5 (1.7)
Ln native urbanization (%)	0.60** (0.30)	0.027 (0.017)	1.4* (0.80)
Ln native male children's school enrollment (%)	-0.060 (0.75)	-0.058 (0.048)	-6.0*** (1.8)
Ln % aged 15–24, native males	0.13 (0.84)	-0.034 (0.054)	0.32 (2.2)
Observations	91	91	91
Fixed effects?	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:			
Wald F-test			1.6
Anderson-Rubin χ^2			3.2
Tests of instrument strength:			
Angrist-Pischke F-statistic	6.9**	0.28	
Kleibergen-Paap F-statistic	0.16		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 34: Re-estimation of 2SLS models in Table 3 measuring unemployment among native non-literate males

	2SLS: 1st stage		2SLS: 2nd stage
	Ln Male Migrants (64)	Interaction Term (65)	Ln Riots (66)
Abnormal rainfall instrument	1.2*** (0.14)	0.025** (0.010)	
Abnormal rainfall instrument x Ln unemployment	0.37 (3.2)	-0.12 (0.42)	
Ln male migrants			0.40 (0.63)
Ln male migrants x Ln unemployment			-5.2 (34)
Ln unemployment (%), non-literate male natives	-2.1 (19)	10*** (2.6)	56 (330)
Abnormal monsoon rainfall	0.71** (0.34)	0.024 (0.018)	0.31 (0.52)
Ln % degraded land	-0.15 (0.18)	-0.0032 (0.016)	0.14 (0.39)
Ln income per capita	0.79*** (0.15)	0.014 (0.0095)	0.69 (0.49)
Ln domestic imports per capita	-0.030 (0.057)	0.0037 (0.0033)	-0.029 (0.15)
Ln state population	1.4** (0.62)	0.061 (0.083)	1.1 (1.8)
Ln native urbanization (%)	0.56* (0.29)	0.022 (0.023)	1.1 (0.87)
Ln native male children's school enrollment (%)	-0.070 (0.75)	-0.044 (0.052)	-5.7*** (1.8)
Ln % aged 15–24, native males	0.0012 (0.80)	-0.035 (0.057)	0.37 (2.3)
Observations	91	91	91
Fixed effects?	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:			
Wald F-test			2.4*
Anderson-Rubin χ^2			4.4
Tests of instrument strength:			
Angrist-Pischke F-statistic	4.6**	0.088	
Kleibergen-Paap F-statistic	0.048		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 35: Re-estimation of 2SLS models in Table 3 with rural male migration interacted with rural native male unemployment

	2SLS: 1st stage		2SLS: 2nd stage
	Ln Rural Male Migrants (67)	Interaction Term (68)	Ln Riots (69)
Abnormal rainfall instrument	1.4*** (0.21)	0.029** (0.013)	
Abnormal rainfall instrument x Ln unemployment	-3.2 (4.5)	0.083 (0.50)	
Ln rural male migrants			-0.12 (1.6)
Ln rural male migrants x Ln unemployment			17 (68)
Ln unemployment (%), rural, male natives	16 (27)	8.6*** (3.0)	-150 (620)
Abnormal monsoon rainfall	0.78** (0.32)	0.020 (0.018)	0.27 (0.42)
Ln % degraded land	-0.23 (0.20)	-0.0060 (0.013)	-0.071 (0.42)
Ln income per capita	0.72*** (0.16)	0.026 (0.016)	0.23 (0.76)
Ln domestic imports per capita	0.14* (0.074)	0.0055 (0.0035)	-0.15 (0.19)
Ln state population	2.1*** (0.55)	0.068 (0.072)	1.5 (2.8)
Ln native urbanization (%)	0.46 (0.33)	0.058** (0.027)	-0.71 (3.5)
Ln native male children's school enrollment (%)	0.22 (0.96)	-0.027 (0.056)	-6.0** (3.0)
Ln % aged 15–24, native males	-0.62 (1.1)	-0.028 (0.057)	1.9 (2.5)
Observations	89	89	89
Fixed effects?	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:			
Wald F-test			1.1
Anderson-Rubin χ^2			3.7
Tests of instrument strength:			
Angrist-Pischke F-statistic	2.1	0.096	
Kleibergen-Paap F-statistic	0.050		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 36: Re-estimation of 2SLS models in Table 2 with additional controls

	2SLS: 1st stage	2SLS: 2nd stage
	Ln Male Migrants (70)	Ln Riots (71)
Abnormal rainfall instrument	0.55*** (0.19)	
Ln male migrants		1.1** (0.56)
Abnormal monsoon rainfall	0.82*** (0.19)	-0.59 (0.47)
Ln % degraded land	-0.98*** (0.16)	0.93* (0.55)
Ln income per capita	0.83*** (0.28)	-0.082 (0.54)
Ln unemployment (%), secondary educated male natives	-0.029 (0.17)	-0.37 (0.25)
Ln domestic imports per capita	-0.015 (0.085)	-0.12 (0.095)
Ln state population	0.56 (0.73)	-0.69 (1.7)
Ln native urbanization (%)	-0.029 (0.30)	0.43 (0.52)
Ln native male children's school enrollment (%)	-0.97 (0.78)	-3.8** (1.7)
Ln % aged 15–24, native males	-0.37 (0.69)	1.7 (1.5)
Rioting in other states	-4.1*** (0.69)	3.6 (2.4)
Ln effective number political parties	0.31 (0.20)	-0.44 (0.31)
Ln average electoral margin of victory	0.090 (0.18)	-0.97*** (0.30)
Ln net male migration	0.093*** (0.027)	-0.082 (0.058)
Ln initial population male migrants	0.025 (0.024)	-0.063** (0.025)
Native male average years residency	0.0013 (0.013)	0.0054 (0.025)
Neighboring country disaster affected population	0.015** (0.0064)	-0.019 (0.013)
Ln ntnl abnormal monsoon affected pop.	0.035** (0.017)	-0.053 (0.047)
Observations	138	138
Fixed effects?	Yes	Yes
Tests of statistical significance of migration:		
Wald F-test		4.0**
Anderson-Rubin χ^2		4.4**
Tests of instrument strength:		
Wald F-test	8.2***	

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 37: Re-estimation of 2SLS models in Table 3 with additional controls

	2SLS: 1st stage		2SLS: 2nd stage
	Ln Male Migrants (72)	Interaction Term (73)	Ln Riots (74)
Abnormal rainfall instrument	-0.28 (0.45)	-1.8* (0.92)	
Rainfall instrument x Ln unemployment	0.46* (0.23)	1.8*** (0.49)	
Ln male migrants			2.4 (2.8)
Ln male migrants x Ln unemployment			-0.47 (0.90)
Ln unemployment (%), secondary educated male natives	-2.6* (1.3)	-1.8 (2.9)	3.7 (7.8)
Abnormal monsoon rainfall	0.81*** (0.18)	1.8*** (0.40)	-0.75 (0.75)
Ln % degraded land	-0.94*** (0.16)	-1.4*** (0.32)	1.4 (1.4)
Ln income per capita	0.82*** (0.26)	1.8*** (0.43)	-0.26 (0.77)
Ln domestic imports per capita	-0.015 (0.081)	-0.035 (0.13)	-0.11 (0.12)
Ln state population	0.81 (0.71)	1.6 (1.8)	-1.1 (2.0)
Ln native urbanization (%)	0.0074 (0.29)	0.25 (0.63)	0.52 (0.61)
Ln native male children's school enrollment (%)	-1.2 (0.83)	-3.8** (1.9)	-4.1** (1.8)
Ln % aged 15–24, native males	-0.41 (0.67)	-0.81 (1.6)	1.9 (1.6)
Rioting in other states	-4.1*** (0.67)	-7.8*** (1.1)	5.0 (4.7)
Ln effective number political parties	0.37* (0.20)	1.0** (0.51)	-0.46 (0.32)
Ln average electoral margin of victory	0.11 (0.18)	0.32 (0.38)	-0.96*** (0.34)
Ln net male migration	0.094*** (0.027)	0.17*** (0.050)	-0.12 (0.12)
Ln initial population male migrants	0.042** (0.020)	-0.018 (0.065)	-0.13 (0.14)
Native male average years residency	-0.0075 (0.013)	0.0097 (0.033)	0.025 (0.049)
Neighboring country disaster affected population	0.015** (0.0069)	0.015 (0.012)	-0.031 (0.032)
Ln ntnl abnormal monsoon affected pop.	0.035** (0.017)	0.056* (0.034)	-0.070 (0.073)
Observations	138	138	138
Fixed effects?	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:			
Wald F-test			1.7
Anderson-Rubin χ^2			4.7*
Tests of instrument strength:			
Angrist-Pischke F-statistic	0.50	1.2	
Kleibergen-Paap F-statistic	0.42		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 38: Re-estimation of 2SLS models in Table 4 with additional controls

	2SLS: 1st stage		2SLS: 2nd stage
	Ln Male Migrants (75)	Interaction Term (76)	Ln Riots (77)
Abnormal rainfall instrument	0.53*** (0.20)	-0.60 (0.40)	
Rainfall instrument x Political match	0.067 (0.21)	1.4*** (0.40)	
Ln male migrants			1.1* (0.56)
Ln male migrants x Political match			-0.48** (0.20)
Center-state political match	-0.62 (1.2)	0.86 (2.3)	4.2** (1.8)
Abnormal monsoon rainfall	0.75*** (0.17)	-0.44 (0.28)	-0.75 (0.48)
Ln % degraded land	-0.90*** (0.16)	0.30 (0.40)	1.1** (0.47)
Ln income per capita	0.81*** (0.28)	0.076 (0.30)	-0.032 (0.54)
Ln unemployment (%), secondary educated male natives	-0.11 (0.18)	0.13 (0.37)	-0.32 (0.26)
Ln domestic imports per capita	0.024 (0.078)	-0.064 (0.23)	-0.11 (0.12)
Ln state population	0.55 (0.78)	0.56 (1.8)	-0.039 (1.8)
Ln native urbanization (%)	-0.025 (0.29)	0.39 (0.49)	0.54 (0.51)
Ln native male children's school enrollment (%)	-0.83 (0.86)	0.52 (1.6)	-3.8** (1.8)
Ln % aged 15–24, native males	-0.61 (0.66)	1.9 (1.8)	2.3 (1.7)
Rioting in other states	-4.0*** (0.68)	-0.94 (1.2)	2.7 (2.2)
Ln effective number political parties	0.32* (0.19)	-0.48 (0.46)	-0.74* (0.40)
Ln average electoral margin of victory	0.13 (0.17)	0.27 (0.33)	-0.77*** (0.30)
Ln net male migration	0.091*** (0.028)	0.013 (0.034)	-0.075 (0.049)
Ln initial population male migrants	0.020 (0.024)	0.056 (0.060)	-0.043 (0.027)
Native male average years residency	-0.014 (0.014)	0.054 (0.037)	0.038 (0.037)
Neighboring country disaster affected population	0.015** (0.0066)	0.0067 (0.0069)	-0.014 (0.013)
Ln ntnl abnormal monsoon affected pop.	0.040** (0.016)	0.0038 (0.039)	-0.044 (0.050)
Observations	138	138	138
Fixed effects?	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:			
Wald F-test			3.6**
Anderson-Rubin χ^2			11***
Tests of instrument strength:			
Angrist-Pischke F-statistic	8.9***	12***	
Kleibergen-Paap F-statistic	3.8**		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 39: Re-estimation of 2SLS models in Table 2 with homicides as the dependent variable

	2SLS: 1st stage	2SLS: 2nd stage
	Ln Male Migrants (78)	Ln Homicides (79)
Abnormal rainfall instrument	0.89*** (0.16)	
Ln male migrants		0.057 (0.11)
Abnormal monsoon rainfall	0.59*** (0.20)	0.062 (0.12)
Ln % degraded land	-0.63*** (0.21)	0.16 (0.17)
Ln income per capita	0.84*** (0.25)	0.080 (0.12)
Ln unemployment (%), secondary educated male natives	0.0065 (0.26)	0.17 (0.11)
Ln domestic imports per capita	0.11 (0.085)	-0.078** (0.036)
Ln state population	0.42 (0.83)	1.5** (0.75)
Ln native urbanization (%)	0.14 (0.39)	0.15 (0.21)
Ln native male children's school enrollment (%)	-1.3 (1.1)	0.24 (0.82)
Ln % aged 15–24, native males	0.23 (1.1)	0.73 (0.75)
Observations	138	138
Fixed effects?	Yes	Yes
Tests of statistical significance of migration:		
Wald F-test		0.29
Anderson-Rubin χ^2		0.30
Tests of instrument strength:		
Wald F-test	31***	

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 40: Re-estimation of 2SLS models in Table 3 with homicides as the dependent variable

	2SLS: 1st stage		2SLS: 2nd stage
	Ln Male Migrants (80)	Interaction Term (81)	Ln Homicides (82)
Abnormal rainfall instrument	0.55 (0.60)	-0.77 (0.87)	
Rainfall instrument x Ln unemployment	0.19 (0.30)	1.5*** (0.51)	
Ln male migrants			0.52 (0.34)
Ln male migrants x Ln unemployment			-0.22 (0.16)
Ln unemployment (%), secondary educated male natives	-1.1 (1.6)	0.078 (2.8)	2.0 (1.4)
Abnormal monsoon rainfall	0.59*** (0.20)	1.3*** (0.45)	0.072 (0.13)
Ln % degraded land	-0.62*** (0.21)	-0.72 (0.44)	0.27 (0.18)
Ln income per capita	0.84*** (0.25)	1.8*** (0.44)	0.084 (0.13)
Ln domestic imports per capita	0.11 (0.085)	0.22 (0.14)	-0.076* (0.043)
Ln state population	0.57 (0.84)	1.0 (1.9)	1.3* (0.79)
Ln native urbanization (%)	0.14 (0.39)	0.52 (0.71)	0.19 (0.24)
Ln native male children's school enrollment (%)	-1.4 (1.1)	-3.3 (2.3)	0.33 (0.88)
Ln % aged 15–24, native males	0.20 (1.1)	0.19 (2.2)	0.71 (0.85)
Observations	138	138	138
Fixed effects?	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:			
Wald F-test			1.2
Anderson-Rubin χ^2			5.0*
Tests of instrument strength:			
Angrist-Pischke F-statistic	2.1	4.7**	
Kleibergen-Paap F-statistic	2.3		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 41: Re-estimation of 2SLS models in Table 4 with homicides as the dependent variable

	2SLS: 1st stage		2SLS: 2nd stage
	Ln Male Migrants (83)	Interaction Term (84)	Ln Homicides (85)
Abnormal rainfall instrument	0.90*** (0.18)	-0.63** (0.29)	
Rainfall instrument x Political match	0.077 (0.24)	1.7*** (0.39)	
Ln male migrants			0.062 (0.11)
Ln male migrants x Political match			-0.032 (0.073)
Center-state political match	-0.67 (1.3)	-0.59 (2.3)	0.27 (0.67)
Abnormal monsoon rainfall	0.52*** (0.19)	-0.48* (0.27)	0.041 (0.13)
Ln % degraded land	-0.57*** (0.21)	0.45 (0.41)	0.18 (0.18)
Ln income per capita	0.82*** (0.25)	0.12 (0.33)	0.075 (0.11)
Ln unemployment (%), secondary educated male natives	-0.040 (0.26)	0.11 (0.29)	0.17 (0.11)
Ln domestic imports per capita	0.13 (0.080)	-0.022 (0.15)	-0.076** (0.034)
Ln state population	0.48 (0.91)	0.11 (1.6)	1.6** (0.76)
Ln native urbanization (%)	0.10 (0.38)	0.60 (0.45)	0.16 (0.22)
Ln native male children's school enrollment (%)	-1.3 (1.2)	0.91 (1.4)	0.27 (0.82)
Ln % aged 15–24, native males	-0.0011 (1.1)	2.7 (1.8)	0.79 (0.79)
Observations	138	138	138
Fixed effects?	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:			
Wald F-test			0.22
Anderson-Rubin χ^2			0.44
Tests of instrument strength:			
Angrist-Pischke F-statistic	37***	18***	
Kleibergen-Paap F-statistic	10***		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 42: Re-estimation of 2SLS models in Table 2 with language-weighted abnormal rainfall instrument

	2SLS: 1st stage	2SLS: 2nd stage
	Ln Male Migrants (86)	Ln Riots (87)
Language-weighted abnormal rainfall instrument	0.72*** (0.15)	
Ln male migrants		0.61*** (0.24)
Abnormal monsoon rainfall	0.62*** (0.20)	-0.082 (0.18)
Ln % degraded land	-0.59*** (0.21)	0.27 (0.36)
Ln income per capita	0.83*** (0.28)	0.38 (0.38)
Ln unemployment (%), secondary educated male natives	0.022 (0.27)	-0.48** (0.23)
Ln domestic imports per capita	0.098 (0.085)	-0.12* (0.063)
Ln state population	0.65 (0.89)	-0.30 (1.4)
Ln native urbanization (%)	0.14 (0.40)	0.39 (0.53)
Ln native male children's school enrollment (%)	-1.4 (1.1)	-3.6** (1.5)
Ln % aged 15–24, native males	-0.024 (1.1)	0.61 (1.7)
Observations	138	138
Fixed effects?	Yes	Yes
Tests of statistical significance of migration:		
Wald F-test		6.7***
Anderson-Rubin χ^2		7.2***
Tests of instrument strength:		
Wald F-test	23***	

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 43: Re-estimation of 2SLS models in Table 3 with language-weighted abnormal rainfall instrument

	2SLS: 1st stage		2SLS: 2nd stage
	Ln Male Migrants (88)	Interaction Term (89)	Ln Riots (90)
Language-weighted abnormal rainfall instrument	0.71 (0.46)	-0.54 (0.75)	
Instrument x Ln unemployment	0.0065 (0.22)	1.1** (0.42)	
Ln male migrants			0.60 (0.54)
Ln male migrants x Ln unemployment			0.0073 (0.25)
Ln unemployment (%), secondary educated male natives	-0.016 (1.3)	2.0 (2.5)	-0.54 (2.1)
Abnormal monsoon rainfall	0.62*** (0.20)	1.3*** (0.46)	-0.082 (0.18)
Ln % degraded land	-0.59*** (0.21)	-0.69 (0.45)	0.27 (0.37)
Ln income per capita	0.83*** (0.29)	1.6*** (0.48)	0.38 (0.38)
Ln domestic imports per capita	0.098 (0.085)	0.22 (0.14)	-0.12* (0.064)
Ln state population	0.66 (0.94)	1.9 (2.1)	-0.29 (1.5)
Ln native urbanization (%)	0.14 (0.40)	0.56 (0.72)	0.39 (0.54)
Ln native male children's school enrollment (%)	-1.4 (1.1)	-3.8 (2.3)	-3.7** (1.5)
Ln % aged 15–24, native males	-0.028 (1.2)	-0.66 (2.3)	0.61 (1.7)
Observations	138	138	138
Fixed effects?	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:			
Wald F-test			3.4**
Anderson-Rubin χ^2			7.7**
Tests of instrument strength:			
Angrist-Pischke F-statistic	3.9*	6.5**	
Kleibergen-Paap F-statistic	5.0***		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 44: Re-estimation of 2SLS models in Table 4 with language-weighted abnormal rainfall instrument

	2SLS: 1st stage		2SLS: 2nd stage
	Ln Male Migrants (91)	Interaction Term (92)	Ln Riots (93)
Language-weighted abnormal rainfall instrument	0.68*** (0.17)	-0.40* (0.22)	
Instrument x Political match	0.17 (0.17)	1.1*** (0.25)	
Ln male migrants			0.68*** (0.25)
Ln male migrants x Political match			-0.54*** (0.20)
Center-state political match	-1.2 (0.96)	2.7* (1.6)	4.6** (1.8)
Abnormal monsoon rainfall	0.57*** (0.19)	-0.36 (0.25)	-0.42* (0.23)
Ln % degraded land	-0.54** (0.21)	0.43 (0.42)	0.68* (0.37)
Ln income per capita	0.82*** (0.29)	0.13 (0.32)	0.31 (0.36)
Ln unemployment (%), secondary educated male natives	-0.020 (0.26)	0.11 (0.31)	-0.47** (0.23)
Ln domestic imports per capita	0.12 (0.080)	0.0052 (0.14)	-0.076 (0.081)
Ln state population	0.61 (0.95)	-0.27 (1.6)	0.047 (1.5)
Ln native urbanization (%)	0.082 (0.38)	0.33 (0.42)	0.58 (0.53)
Ln native male children's school enrollment (%)	-1.4 (1.2)	1.4 (1.5)	-3.2* (1.6)
Ln % aged 15–24, native males	-0.27 (1.1)	2.4 (1.7)	1.6 (1.9)
Observations	138	138	138
Fixed effects?	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:			
Wald F-test			5.4***
Anderson-Rubin χ^2			17***
Tests of instrument strength:			
Angrist-Pischke F-statistic	25***	18***	
Kleibergen-Paap F-statistic	7.4***		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 45: Re-estimation of 2SLS models in Table 2 with historical migration-weighted abnormal rainfall instrument

	2SLS: 1st stage	2SLS: 2nd stage
	Ln Male Migrants (94)	Ln Riots (95)
Historical migration instrument	1.4*** (0.23)	
Ln male migrants		0.50*** (0.17)
Abnormal monsoon rainfall	0.69*** (0.21)	-0.023 (0.15)
Ln % degraded land	-0.63*** (0.20)	0.21 (0.36)
Ln income per capita	0.80*** (0.24)	0.45 (0.39)
Ln unemployment (%), secondary educated male natives	-0.015 (0.25)	-0.47** (0.22)
Ln domestic imports per capita	0.12 (0.081)	-0.12** (0.060)
Ln state population	0.55 (0.77)	-0.25 (1.4)
Ln native urbanization (%)	0.14 (0.39)	0.39 (0.53)
Ln native male children's school enrollment (%)	-1.3 (1.0)	-3.7** (1.5)
Ln % aged 15–24, native males	0.12 (1.1)	0.56 (1.7)
Observations	138	138
Fixed effects?	Yes	Yes
Tests of statistical significance of migration:		
Wald F-test		8.3***
Anderson-Rubin χ^2		8.6***
Tests of instrument strength:		
Wald F-test	36***	

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 46: Re-estimation of 2SLS models in Table 3 with historical migration-weighted abnormal rainfall instrument

	2SLS: 1st stage		2SLS: 2nd stage
	Ln Male Migrants (96)	Interaction Term (97)	Ln Riots (98)
Historical migration instrument	2.0** (0.95)	0.72 (1.6)	
Historical migration instrument x Ln unemployment	-0.33 (0.47)	1.2 (0.90)	
Ln male migrants			0.35 (0.61)
Ln male migrants x Ln unemployment			0.068 (0.28)
Ln unemployment (%), secondary educated male natives	0.26 (0.38)	7.3*** (0.81)	-1.0 (2.4)
Abnormal monsoon rainfall	0.70*** (0.22)	1.5*** (0.48)	-0.023 (0.16)
Ln % degraded land	-0.63*** (0.21)	-0.81* (0.44)	0.17 (0.35)
Ln income per capita	0.81*** (0.25)	1.7*** (0.42)	0.45 (0.39)
Ln domestic imports per capita	0.13 (0.088)	0.24* (0.14)	-0.12** (0.060)
Ln state population	0.41 (0.81)	0.64 (1.8)	-0.17 (1.5)
Ln native urbanization (%)	0.14 (0.39)	0.48 (0.72)	0.37 (0.55)
Ln native male children's school enrollment (%)	-1.2 (1.1)	-2.9 (2.3)	-3.7** (1.5)
Ln % aged 15–24, native males	0.17 (1.1)	0.046 (2.2)	0.56 (1.7)
Observations	138	138	138
Fixed effects?	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:			
Wald F-test			4.2**
Anderson-Rubin χ^2			9.1**
Tests of instrument strength:			
Angrist-Pischke F-statistic	3.2*	4.0**	
Kleibergen-Paap F-statistic	3.9**		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 47: Re-estimation of 2SLS models in Table 4 with historical migration-weighted abnormal rainfall instrument

	2SLS: 1st stage		2SLS: 2nd stage
	Ln Male Migrants (99)	Interaction Term (100)	Ln Riots (101)
Historical migration instrument	1.4*** (0.24)	-0.43 (0.41)	
Historical migration instrument x Political match	-0.038 (0.29)	1.9*** (0.60)	
Ln male migrants			0.61*** (0.18)
Ln male migrants x Political match			-0.30* (0.17)
Center-state political match	-0.18 (0.26)	7.4*** (0.57)	2.4 (1.5)
Abnormal monsoon rainfall	0.63*** (0.21)	-0.45 (0.28)	-0.29 (0.21)
Ln % degraded land	-0.57*** (0.20)	0.53 (0.43)	0.52 (0.36)
Ln income per capita	0.77*** (0.23)	0.17 (0.30)	0.34 (0.36)
Ln unemployment (%), secondary educated male natives	-0.054 (0.25)	-0.0065 (0.28)	-0.49** (0.20)
Ln domestic imports per capita	0.15* (0.079)	-0.0041 (0.15)	-0.081 (0.065)
Ln state population	0.63 (0.84)	0.24 (1.6)	-0.039 (1.4)
Ln native urbanization (%)	0.090 (0.39)	0.68 (0.44)	0.47 (0.51)
Ln native male children's school enrollment (%)	-1.3 (1.1)	0.69 (1.4)	-3.4** (1.5)
Ln % aged 15–24, native males	-0.12 (1.1)	3.2* (1.8)	1.0 (1.6)
Observations	138	138	138
Fixed effects?	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:			
Wald F-test			5.9***
Anderson-Rubin χ^2			13***
Tests of instrument strength:			
Angrist-Pischke F-statistic	39***	10***	
Kleibergen-Paap F-statistic	5.6***		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 48: Re-estimation of 2SLS models in Table 2 with standardized monsoon rainfall instrument

	2SLS: 1st stage	2SLS: 2nd stage
	Ln Male Migrants (102)	Ln Riots (103)
Standardized monsoon rainfall instrument	0.54 (0.36)	
Ln male migrants		0.67 (0.50)
Standardized monsoon rainfall	0.32* (0.18)	-0.011 (0.20)
Ln % degraded land	-0.63*** (0.21)	0.30 (0.43)
Ln income per capita	0.67** (0.32)	0.34 (0.46)
Ln unemployment (%), secondary educated male natives	0.039 (0.26)	-0.48** (0.23)
Ln domestic imports per capita	0.027 (0.089)	-0.13* (0.074)
Ln state population	0.012 (0.89)	-0.33 (1.5)
Ln native urbanization (%)	-0.059 (0.44)	0.40 (0.53)
Ln native male children's school enrollment (%)	-0.62 (1.1)	-3.7** (1.5)
Ln % aged 15–24, native males	-0.28 (1.2)	0.64 (1.7)
Observations	138	138
Fixed effects?	Yes	Yes
Tests of statistical significance of migration:		
Wald F-test		1.8
Anderson-Rubin χ^2		2.6
Tests of instrument strength:		
Wald F-test	2.3	

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 49: Re-estimation of 2SLS models in Table 3 with standardized monsoon rainfall instrument

	2SLS: 1st stage		2SLS: 2nd stage
	Ln Male Migrants (104)	Interaction Term (105)	Ln Riots (106)
Standardized monsoon rainfall instrument	0.14 (1.1)	-0.62 (1.6)	
Instrument x Ln unemployment	0.22 (0.54)	1.2 (0.88)	
Ln male migrants			0.47 (2.6)
Ln male migrants x Ln unemployment			0.068 (0.83)
Ln unemployment (%), secondary educated male natives	-1.4 (3.5)	0.37 (5.7)	-1.0 (6.9)
Standardized monsoon rainfall	0.32* (0.18)	1.0*** (0.37)	-0.016 (0.21)
Ln % degraded land	-0.61*** (0.22)	-0.81* (0.47)	0.23 (0.81)
Ln income per capita	0.66** (0.32)	1.4** (0.58)	0.38 (0.61)
Ln domestic imports per capita	0.024 (0.090)	0.021 (0.15)	-0.12 (0.085)
Ln state population	0.11 (0.91)	-0.91 (1.9)	-0.23 (2.3)
Ln native urbanization (%)	-0.085 (0.44)	-0.036 (0.81)	0.38 (0.59)
Ln native male children's school enrollment (%)	-0.66 (1.1)	-1.6 (2.3)	-3.7** (1.6)
Ln % aged 15–24, native males	-0.31 (1.3)	-0.67 (2.4)	0.62 (1.8)
Observations	138	138	138
Fixed effects?	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:			
Wald F-test			1.1
Anderson-Rubin χ^2			2.9
Tests of instrument strength:			
Angrist-Pischke F-statistic	0.094	0.43	
Kleibergen-Paap F-statistic	0.098		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 50: Re-estimation of 2SLS models in Table 4 with standardized monsoon rainfall instrument

	2SLS: 1st stage		2SLS: 2nd stage
	Ln Male Migrants (107)	Interaction Term (108)	Ln Riots (109)
Standardized monsoon rainfall instrument	0.40 (0.55)	-0.86 (0.61)	
Instrument x Political match	0.41 (0.47)	1.3** (0.57)	
Ln male migrants			1.0 (0.68)
Ln male migrants x Political match			-1.3* (0.72)
Center-state political match	-2.9 (3.0)	0.55 (3.8)	12* (6.6)
Standardized monsoon rainfall	0.22 (0.18)	-0.044 (0.25)	-0.21 (0.37)
Ln % degraded land	-0.59*** (0.22)	0.45 (0.46)	1.2* (0.72)
Ln income per capita	0.67** (0.33)	0.082 (0.29)	0.12 (0.50)
Ln unemployment (%), secondary educated male natives	0.012 (0.26)	0.21 (0.37)	-0.36 (0.45)
Ln domestic imports per capita	0.044 (0.085)	-0.015 (0.16)	-0.079 (0.17)
Ln state population	-0.071 (0.95)	0.10 (1.8)	0.25 (2.4)
Ln native urbanization (%)	-0.10 (0.42)	0.53 (0.41)	1.00 (0.79)
Ln native male children's school enrollment (%)	-0.53 (1.3)	1.4 (1.6)	-2.6 (2.4)
Ln % aged 15–24, native males	-0.39 (1.3)	2.8 (1.8)	3.8 (3.7)
Observations	138	138	138
Fixed effects?	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:			
Wald F-test			1.7
Anderson-Rubin χ^2			15***
Tests of instrument strength:			
Angrist-Pischke F-statistic	3.4*	3.9*	
Kleibergen-Paap F-statistic	1.6		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 51: Re-estimation of 2SLS models in Table 4 with instrument for political alignment

	2SLS: 1st stage			2SLS: 2nd stage
	Ln Male Migrants (110)	Interaction Term (111)	Political Match (112)	Ln Riots (113)
Abnormal rainfall instrument	0.76*** (0.21)	2.5* (1.3)	0.31** (0.15)	
Rainfall instrument x Political match instrument	0.30 (0.27)	-1.4 (2.0)	-0.26 (0.22)	
Center-state pol. match after ntnl election	-1.4 (1.5)	13 (12)	2.0 (1.3)	
Ln male migrants				0.79** (0.37)
Ln male migrants x Political match				-1.1** (0.53)
Center-state political match				8.3* (4.6)
Abnormal monsoon rainfall	0.66*** (0.21)	-2.4 (1.7)	-0.24 (0.19)	-0.97* (0.56)
Ln % degraded land	-0.73*** (0.20)	2.5* (1.5)	0.22 (0.16)	1.3** (0.62)
Ln income per capita	0.87*** (0.28)	0.23 (1.4)	0.020 (0.15)	0.16 (0.46)
Ln unemployment (%), secondary educated male natives	0.035 (0.26)	-0.10 (1.6)	-0.028 (0.19)	-0.49 (0.35)
Ln domestic imports per capita	0.071 (0.086)	0.76 (0.50)	0.083 (0.065)	0.038 (0.12)
Ln state population	0.48 (0.71)	5.3 (5.4)	0.57 (0.72)	1.4 (1.6)
Ln native urbanization (%)	0.22 (0.40)	1.6 (2.7)	0.12 (0.31)	0.87 (0.72)
Ln native male children's school enrollment (%)	-1.5 (1.0)	-4.4 (7.9)	-0.59 (0.92)	-3.7* (2.1)
Ln % aged 15–24, native males	-0.0071 (1.2)	-8.6 (6.9)	-1.3 (0.83)	1.3 (2.5)
Observations	135	135	135	135
Fixed effects?	Yes	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:				
Wald F-test				2.1
Anderson-Rubin χ^2				22***
Tests of instrument strength:				
Angrist-Pischke F-statistic	19***	0.21	0.22	
Kleibergen-Paap F-statistic	1.8			

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 52: Re-estimation of multi-variate OLS and 2SLS model in Table 2 including period fixed effects

	OLS	2SLS: 1st stage	2SLS: 2nd stage
	Ln Riots (114)	Ln Male Migrants (115)	Ln Riots (116)
Ln male migrants	0.60** (0.27)		1.5 (0.97)
Abnormal rainfall instrument		0.42** (0.21)	
Abnormal monsoon rainfall	0.070 (0.26)	0.29* (0.17)	-0.12 (0.33)
Ln % degraded land	0.26 (0.50)	-0.38** (0.17)	0.66 (0.53)
Ln income per capita	0.17 (0.46)	0.65*** (0.16)	-0.36 (0.70)
Ln unemployment (%), secondary educated male natives	-0.19 (0.30)	-0.041 (0.19)	-0.14 (0.29)
Ln domestic imports per capita	-0.11 (0.11)	0.053 (0.054)	-0.17 (0.13)
Ln state population	-1.8 (2.9)	1.2 (1.0)	-3.1 (2.9)
Ln native urbanization (%)	0.013 (1.00)	0.51 (0.31)	-0.40 (1.0)
Ln native male children's school enrollment (%)	-4.8** (1.9)	-0.67 (0.73)	-4.3** (1.8)
Ln % aged 15–24, native males	0.79 (2.5)	0.23 (0.91)	0.91 (2.0)
Observations	138	138	138
State fixed effects?	Yes	Yes	Yes
Period fixed effects?	Yes	Yes	Yes
Tests of statistical significance of migration:			
Wald F-test			2.4
Anderson-Rubin χ^2			2.7*
Tests of instrument strength:			
Wald F-test		4.0**	

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 53: Re-estimation of multi-variate OLS and 2SLS model in Table 3 including period fixed effects

	OLS	2SLS: 1st stage		2SLS: 2nd stage
	Ln Riots (117)	Ln Male Migrants (118)	Interaction Term (119)	Ln Riots (120)
Ln male migrants	0.65*** (0.22)			-0.0010 (1.0)
Ln male migrants x Ln unemployment	-0.028 (0.18)			1.3 (1.5)
Ln unemployment (%), secondary educated male natives	0.041 (1.3)	2.6** (1.1)	8.6*** (2.4)	-11 (13)
Abnormal rainfall instrument		1.2*** (0.35)	0.55 (0.69)	
Rainfall instrument x Ln unemployment		-0.48** (0.19)	-0.034 (0.41)	
Abnormal monsoon rainfall	0.068 (0.26)	0.24 (0.17)	0.35 (0.35)	-0.14 (0.45)
Ln % degraded land	0.27 (0.51)	-0.38** (0.18)	-0.37 (0.49)	0.57 (0.71)
Ln income per capita	0.18 (0.50)	0.62*** (0.18)	1.3*** (0.37)	-1.1 (1.5)
Ln domestic imports per capita	-0.11 (0.11)	0.045 (0.053)	0.10 (0.098)	-0.22 (0.20)
Ln state population	-1.8 (2.7)	1.1 (1.0)	0.35 (2.7)	-1.7 (3.3)
Ln native urbanization (%)	0.011 (1.00)	0.49 (0.32)	0.69 (0.54)	-0.53 (1.2)
Ln native male children's school enrollment (%)	-4.8** (1.9)	-0.13 (0.72)	-0.69 (2.0)	-4.3* (2.5)
Ln % aged 15–24, native males	0.78 (2.5)	0.22 (0.93)	-0.18 (2.2)	1.5 (2.9)
Observations	138	138	138	138
State fixed effects?	Yes	Yes	Yes	Yes
Period fixed effects?	Yes	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:				
Wald F-test				0.89
Anderson-Rubin χ^2				2.8
Tests of instrument strength:				
Angrist-Pischke F-statistic		5.7**	0.65	
Kleibergen-Paap F-statistic		0.54		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 54: Re-estimation of multi-variate OLS and 2SLS model in Table 4 including period fixed effects

	OLS	2SLS: 1st stage		2SLS: 2nd stage
	Ln Riots (121)	Ln Male Migrants (122)	Interaction Term (123)	Ln Riots (124)
Ln male migrants	0.57** (0.26)			0.92 (1.2)
Ln male migrants x Political match	-0.010 (0.081)			-0.33 (0.31)
Center-state political match	-0.34 (0.77)	1.2 (0.91)	1.4 (2.2)	2.6 (2.7)
Abnormal rainfall instrument		0.45** (0.22)	-0.85** (0.35)	
Rainfall instrument x Political match		-0.23 (0.16)	1.4*** (0.39)	
Abnormal monsoon rainfall	0.074 (0.27)	0.29* (0.17)	-0.66*** (0.21)	-0.18 (0.28)
Ln % degraded land	0.39 (0.53)	-0.37** (0.17)	0.76 (0.47)	0.79* (0.45)
Ln income per capita	0.19 (0.46)	0.64*** (0.15)	-0.35* (0.21)	-0.12 (0.79)
Ln unemployment (%), secondary educated male natives	-0.28 (0.30)	-0.042 (0.19)	0.038 (0.24)	-0.22 (0.27)
Ln domestic imports per capita	-0.039 (0.099)	0.070 (0.051)	-0.059 (0.18)	-0.079 (0.15)
Ln state population	-1.9 (2.9)	1.2 (1.0)	-1.6 (1.8)	-3.1 (3.1)
Ln native urbanization (%)	-0.10 (1.0)	0.45 (0.32)	-0.084 (0.40)	-0.35 (1.0)
Ln native male children's school enrollment (%)	-4.8** (1.9)	-0.71 (0.74)	-0.32 (1.5)	-4.8** (2.0)
Ln % aged 15–24, native males	0.49 (2.5)	0.16 (0.87)	1.5 (1.7)	1.2 (2.0)
Observations	138	138	138	138
State fixed effects?	Yes	Yes	Yes	Yes
Period fixed effects?	Yes	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:				
Wald F-test				3.8**
Anderson-Rubin χ^2				9.4***
Tests of instrument strength:				
Angrist-Pischke F-statistic		1.8	7.1***	
Kleibergen-Paap F-statistic		0.79		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 55: Re-estimation of 2SLS models in Table 2 controlling for time trend in national weather

	2SLS: 1st stage	2SLS: 2nd stage
	Ln Male Migrants (125)	Ln Riots (126)
Abnormal rainfall instrument	0.81*** (0.22)	
Ln male migrants		0.74** (0.33)
Abnormal monsoon rainfall	0.60*** (0.20)	-0.18 (0.27)
Ln % degraded land	-0.63*** (0.21)	0.36 (0.36)
Ln income per capita	0.86*** (0.25)	0.22 (0.42)
Ln unemployment (%), secondary educated male natives	0.020 (0.27)	-0.50** (0.23)
Ln domestic imports per capita	0.13 (0.11)	-0.20* (0.12)
Ln state population	0.56 (0.87)	-0.63 (1.5)
Ln native urbanization (%)	0.15 (0.40)	0.33 (0.55)
Ln native male children's school enrollment (%)	-1.2 (1.1)	-3.5** (1.5)
Ln % aged 15–24, native males	0.24 (1.1)	0.52 (1.7)
Ln ntnl abnormal monsoon affected pop.	0.014 (0.022)	-0.028 (0.033)
Observations	138	138
State fixed effects?	Yes	Yes
Tests of statistical significance of migration:		
Wald F-test		5.1**
Anderson-Rubin χ^2		5.4**
Tests of instrument strength:		
Wald F-test	13***	

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 56: Re-estimation of 2SLS models in Table 3 controlling for time trend in national weather

	2SLS: 1st stage		2SLS: 2nd stage
	Ln Male Migrants (127)	Interaction Term (128)	Ln Riots (129)
Abnormal rainfall instrument	0.44 (0.63)	-0.89 (0.95)	
Rainfall instrument x Ln unemployment	0.20 (0.31)	1.5*** (0.51)	
Ln male migrants			0.43 (0.87)
Ln male migrants x Ln unemployment			0.14 (0.34)
Ln unemployment (%), secondary educated male natives	-1.1 (1.7)	0.031 (2.8)	-1.7 (2.9)
Abnormal monsoon rainfall	0.60*** (0.19)	1.3*** (0.44)	-0.18 (0.27)
Ln % degraded land	-0.62*** (0.21)	-0.72 (0.44)	0.27 (0.38)
Ln income per capita	0.86*** (0.25)	1.8*** (0.44)	0.24 (0.43)
Ln domestic imports per capita	0.13 (0.11)	0.25 (0.18)	-0.19 (0.12)
Ln state population	0.72 (0.86)	1.2 (2.0)	-0.46 (1.7)
Ln native urbanization (%)	0.16 (0.39)	0.54 (0.72)	0.31 (0.56)
Ln native male children's school enrollment (%)	-1.4 (1.1)	-3.3 (2.3)	-3.6** (1.5)
Ln % aged 15–24, native males	0.21 (1.1)	0.19 (2.2)	0.54 (1.7)
Ln ntnl abnormal monsoon affected pop.	0.014 (0.022)	0.017 (0.043)	-0.026 (0.034)
Observations	138	138	138
State fixed effects?	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:			
Wald F-test			2.9*
Anderson-Rubin χ^2			5.9*
Tests of instrument strength:			
Angrist-Pischke F-statistic	1.5	4.2**	
Kleibergen-Paap F-statistic	1.7		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table 57: Re-estimation of 2SLS models in Table 4 controlling for time trend in national weather

	2SLS: 1st stage		2SLS: 2nd stage
	Ln Male Migrants (130)	Interaction Term (131)	Ln Riots (132)
Abnormal rainfall instrument	0.79*** (0.23)	-0.63* (0.35)	
Rainfall instrument x Political match	0.081 (0.24)	1.7*** (0.39)	
Ln male migrants			0.79** (0.34)
Ln male migrants x Political match			-0.41** (0.17)
Center-state political match	-0.71 (1.4)	-0.59 (2.3)	3.5** (1.5)
Abnormal monsoon rainfall	0.53*** (0.18)	-0.48* (0.26)	-0.45 (0.30)
Ln % degraded land	-0.56*** (0.21)	0.45 (0.42)	0.67* (0.36)
Ln income per capita	0.84*** (0.25)	0.12 (0.32)	0.18 (0.40)
Ln unemployment (%), secondary educated male natives	-0.023 (0.27)	0.10 (0.29)	-0.50** (0.21)
Ln domestic imports per capita	0.17 (0.10)	-0.023 (0.20)	-0.15 (0.13)
Ln state population	0.67 (0.94)	0.10 (1.8)	-0.33 (1.6)
Ln native urbanization (%)	0.12 (0.39)	0.60 (0.45)	0.47 (0.53)
Ln native male children's school enrollment (%)	-1.3 (1.2)	0.91 (1.4)	-3.1** (1.6)
Ln % aged 15–24, native males	-0.00085 (1.1)	2.7 (1.8)	1.3 (1.7)
Ln ntl abnormal monsoon affected pop.	0.019 (0.021)	-0.00034 (0.034)	-0.026 (0.034)
Observations	138	138	138
State fixed effects?	Yes	Yes	Yes
Tests of joint statistical significance of endogenous regressors:			
Wald F-test			4.3**
Anderson-Rubin χ^2			11***
Tests of instrument strength:			
Angrist-Pischke F-statistic	14***	18***	
Kleibergen-Paap F-statistic	6.3***		

Newey-West standard errors in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

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