

Online Appendix for

Environmental Migration and Race during the Great American Drought, 1935–1940

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January 2025

A. Additional Tables and Figures 45

A Additional Tables and Figures

Table A.1: Drought migration premia by race, alternate drought definition

<i>Variable</i>	Full Sample			Rural		
	(1)	(2)	(3)	(4)	(5)	(6)
Drought	0.021*	0.031***		0.021***	0.025***	
	(0.010)	(0.008)		(0.007)	(0.005)	
Drought × Black	0.036*	0.044*	0.024	0.050	0.061***	0.042**
	(0.021)	(0.025)	(0.018)	(0.032)	(0.020)	(0.017)
Region-by-race FE	Y	(Y)	(Y)	Y	(Y)	(Y)
State-by-race FE	N	Y	Y	N	Y	Y
County FE	N	N	Y	N	N	Y
Observations	70,662,847	70,662,847	70,662,847	32,264,940	32,264,940	32,264,940
R-squared	0.048	0.051	0.058	0.049	0.052	0.060

Significance levels: * ($p < 0.10$), ** ($p < 0.05$), *** ($p < 0.01$)

Notes: Drought status is defined based on a cutoff of $D_c = 6$ rather than the standard cutoff used elsewhere in the paper, based on $D_c = 5$. Standard errors clustered at the state level in parentheses. Regressions use the complete 1940 census. Dependent variable is an indicator equal to one if an individual made an inter-county move between 1935 and 1940. All specifications include individual- and county-level controls interacted with race and race-by-age fixed effects.

Table A.2: Drought migration premia by race, logit specification

<i>Variable</i>	Full Sample		Rural	
	(1)	(2)	(3)	(4)
Drought	0.138***	0.120**	0.127***	0.127***
	(0.045)	(0.054)	(0.041)	(0.024)
Drought × Black	0.219***	0.162***	0.340***	0.214***
	(0.074)	(0.047)	(0.076)	(0.022)
Region-by-race FE	Y	(Y)	Y	(Y)
State-by-race FE	N	Y	N	Y
Observations	70,662,847	70,662,847	32,264,940	32,264,940

Significance levels: * ($p < 0.10$), ** ($p < 0.05$), *** ($p < 0.01$)

Notes: Standard errors clustered at the state level in parentheses. Regressions use the complete 1940 census. Dependent variable is an indicator equal to one if an individual made an inter-county move between 1935 and 1940. The coefficients presented are from a logit regression. All specifications include individual- and county-level controls interacted with race and race-by-age fixed effects.

Table A.3: AAA spending and migration responses to drought with county fixed effects

<i>Variable</i>	Full Sample		Rural	
	(1)	(2)	(3)	(4)
Drought \times Black	0.003 (0.005)	-0.004 (0.005)	0.019*** (0.007)	-0.000 (0.010)
AAA \times Black	0.007** (0.003)	0.003 (0.003)	0.009** (0.004)	0.005 (0.003)
AAA \times Drought \times Black		0.011** (0.005)		0.013** (0.009)
Observations	70,662,847	70,662,847	32,264,940	32,264,940
R-squared	0.058	0.058	0.060	0.060

Significance levels: * ($p < 0.10$), ** ($p < 0.05$), *** ($p < 0.01$)

Notes: Standard errors clustered at the state level in parentheses. Regressions use the complete 1940 census. Dependent variable is an indicator equal to one if an individual made an inter-county move between 1935 and 1940. All specifications include county fixed effects, state-by-race fixed effects, individual- and county-level controls interacted with race, and race-by-age fixed effects. AAA denotes per-capita AAA spending in hundreds of dollars.

Table A.4: New Deal public works spending and migration responses to drought

<i>Variable</i>	Full Sample		Rural	
	(1)	(2)	(3)	(4)
Drought	0.014* (0.007)	0.025*** (0.007)	0.017*** (0.004)	0.020*** (0.004)
Drought × Black	0.011* (0.006)	0.024* (0.012)	0.022*** (0.003)	0.021*** (0.006)
PW	0.001 (0.001)	0.002** (0.001)	0.001** (0.000)	0.001** (0.001)
PW × Black	-0.003*** (0.001)	-0.003*** (0.001)	-0.005** (0.002)	-0.005** (0.002)
PW × Drought		-0.004*** (0.001)		-0.001 (0.001)
PW × Drought × Black		-0.007** (0.003)		-0.000 (0.003)
Observations	70,662,847	70,662,847	32,264,940	32,264,940
R-squared	0.051	0.051	0.052	0.052

Significance levels: * ($p < 0.10$), ** ($p < 0.05$), *** ($p < 0.01$)

Notes: Standard errors clustered at the state level in parentheses. Regressions use the complete 1940 census. Dependent variable is an indicator equal to one if an individual made an inter-county move between 1935 and 1940. All specifications include state-by-race fixed effects, individual- and county-level controls interacted with race, and race-by-age fixed effects. PW denotes per-capita spending on New Deal public works spending in hundreds of dollars.