Historical prevalence of slavery predicts contemporary American gun ownership

Nick Buttrick

Princeton University School of Public and International Affairs





Tim Wilson Sophie Trawalter





Jazmin Brown-lannuzzi

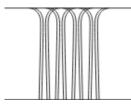
Wendy Wang Ana Rabogliatti Brian Henriquez **Kincaid Youman** Campbell Edwards Sam Leseman Alex Hendel Jun Seok Bae Caroline Luscko Elyse Morris Graham Gilliam Jerome Romualdez Ruth Checknoff Sam Nall Emily Woodworth Mathieu Fondin





Erin Westgate

Samantha Heintzelman



Princeton School of Public and International Affairs







Jessica Mazen

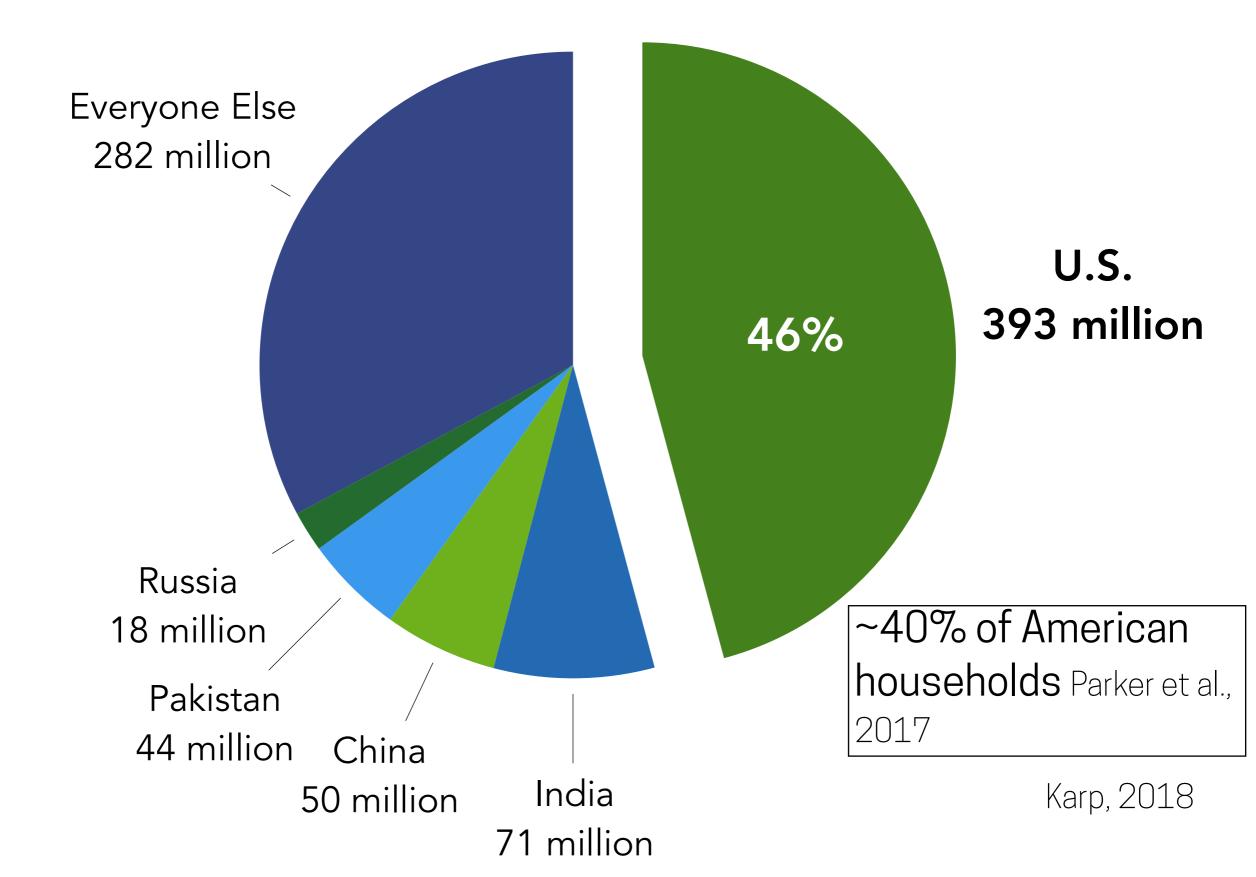


New Jersey Gun Violence Research Center





Civilian-Owned Guns Worldwide



Why Own a Gun?



All Other Reasons

Hunting, Target Shooting, Collecting, etc.

33%

Parker et al., 2017

Why Own a Gun?

Self-Defense 67%

This is globally unusual

All Other Reasons

Hunting, Target Shooting, Collecting, etc.

33%

Cooke, 2004; Kohn, 2004 Puddifoot & Cooke, 2002; Santaella-Tenorio et al., 2016; Syropoulos et al., 2020

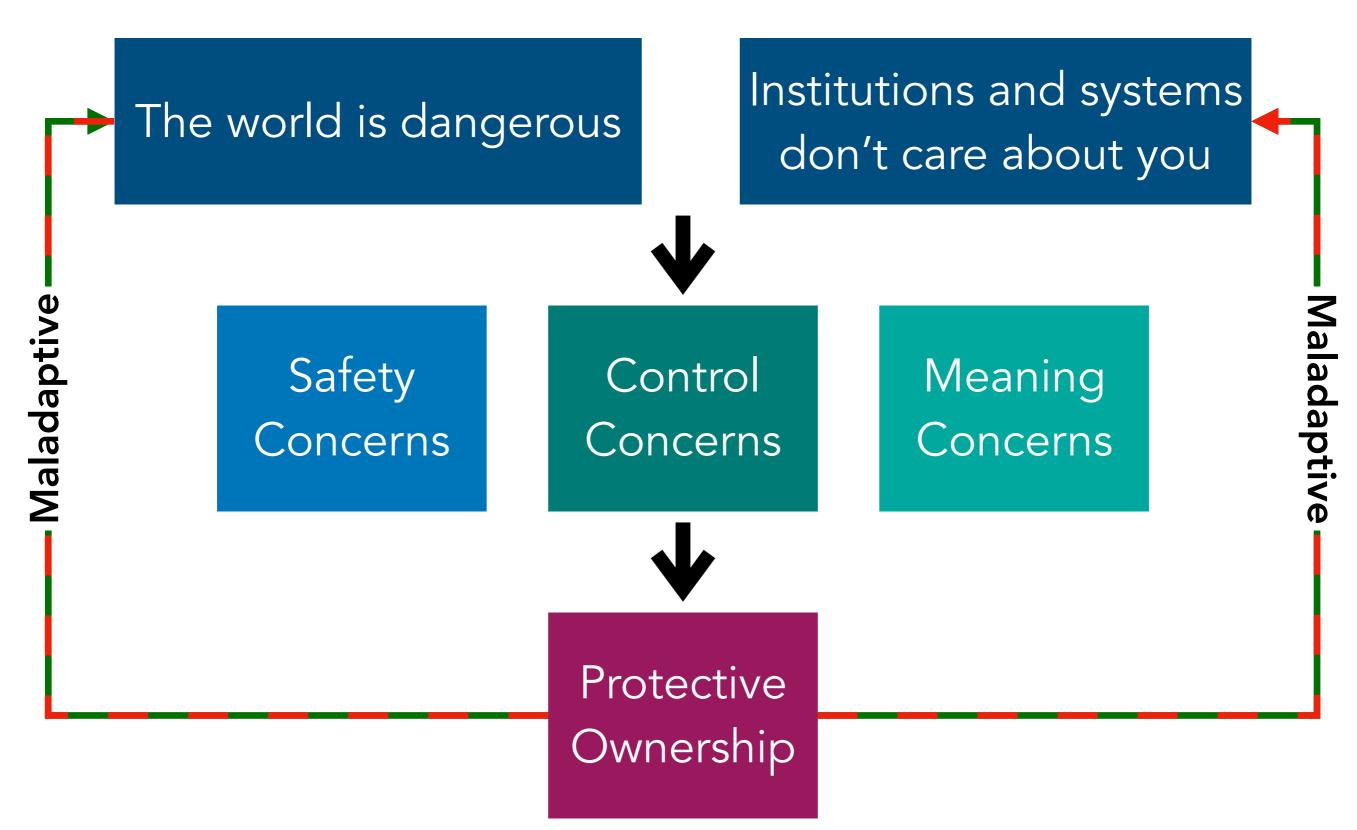
Guns are Dangerous

A gun in the house doubles the likelihood that a household member will be murdered violently, and triples the likelihood of death by suicide. Anglemyer et al., 2014

Are Guns Protective?

- Guns are used in self-defense in fewer than 1% of reported crimes Hemenway & Solnick, 2015; Planty & Truman, 2013
- In 'active shooter' situations, police recommend that people carrying firearms stay holstered Blair, Nichols, Burns, & Curnutt, 2013

"Since a 'sense of security' is inherently a psychological trait, it does no good to argue that the sense of security afforded by owning a gun is 'just an illusion." Wright, 1995, p. 65



Buttrick, 2020; see also Leander et al., 2019; Warner & Ratcliff, 2021

An Archival Study: The Historical Legacy of Redemption

Buttrick & Mazen Invited revision



American Firearm History

 Firearm ownership was common in post-Revolutionary America, but guns were widely viewed as tools for pest control and hunting Burbick, 2006; Lindgren, 2002 War

- The demobilization after the Civil War
 leaves the country as arguably the most
 heavily-armed in the world Haag, 2016
- In 1880s Alabama, the value of guns > the value of all mechanical tools & farm machinery

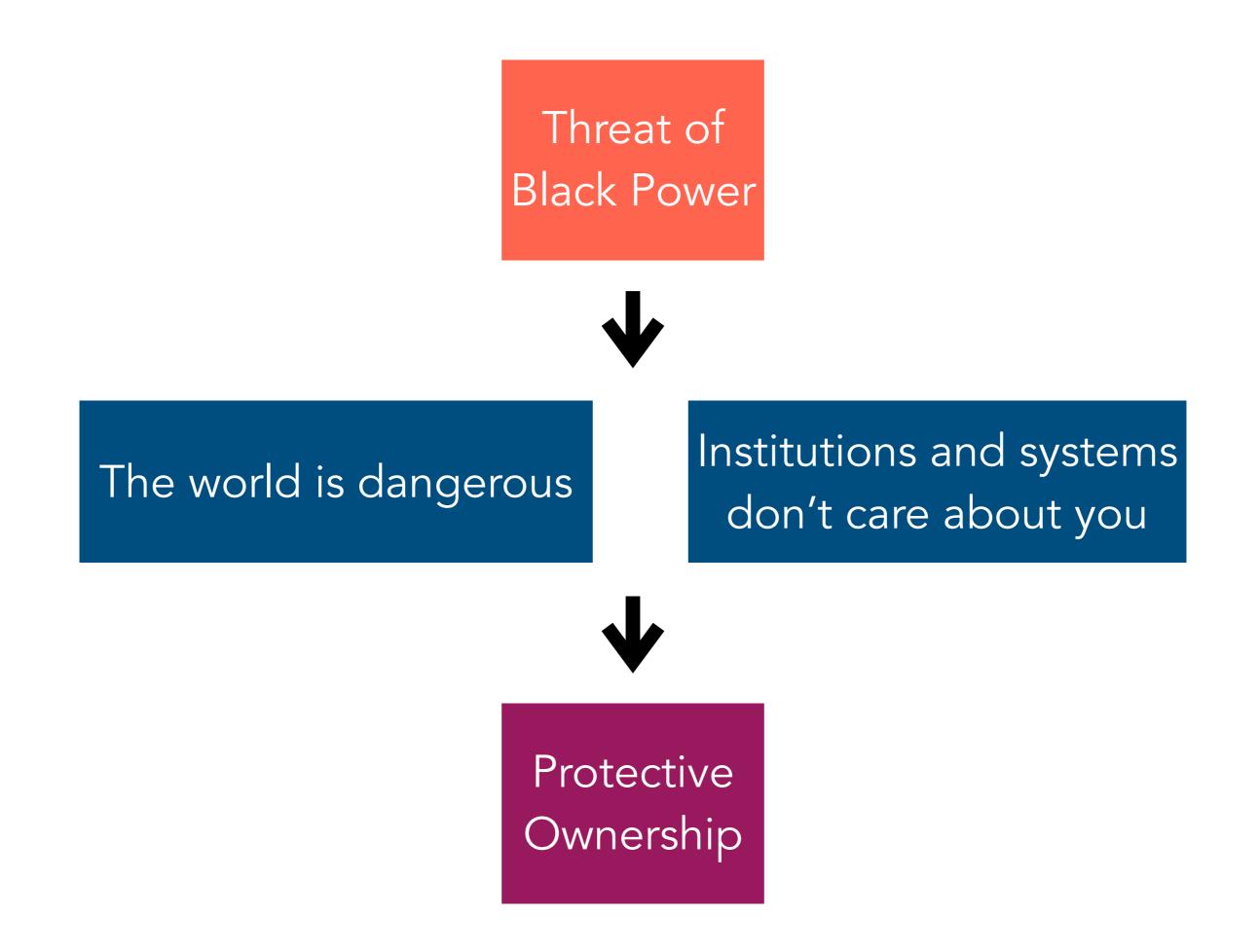
The Nation, 1883

"Redemption" in the Long Run

Patterns of American slavery are associated with present day...

- Structures: Greater inequality, greater segregation, lower rates of education, greater crime, lower income, and lower labor productivity Bertocci & Dimico, 2014; Gouda & Rigterink, 2017; Mitchener & McLean, 2003; Nunn, 2008; O'Connell, 2012
- Culture: Greater conservatism & greater anti-Black racism (implicitly & explicitly) among Whites Acharya, Blackwell, & Sen, 2016; Payne, Vuletich, & Brown-Jannuzzi, 2019

"For two years, you have borne with patience and fortitude a great wrong. Through fraud and violence, the government of your choice has been overthrown and its power usurped...To these calamities, may be added a corrupt and vicious legislature, ... a metropolitan police paid by the city, under the control of the usurper, quartered upon you to overawe and keep you in subjugation. Every public right has been denied you and, as if to goad you to desperation, private arms are seized and individuals arrested. To such extremities are you driven that manhood revolts at further submission." DB Penn [leader of 1874 New Orleans insurrection], 1874

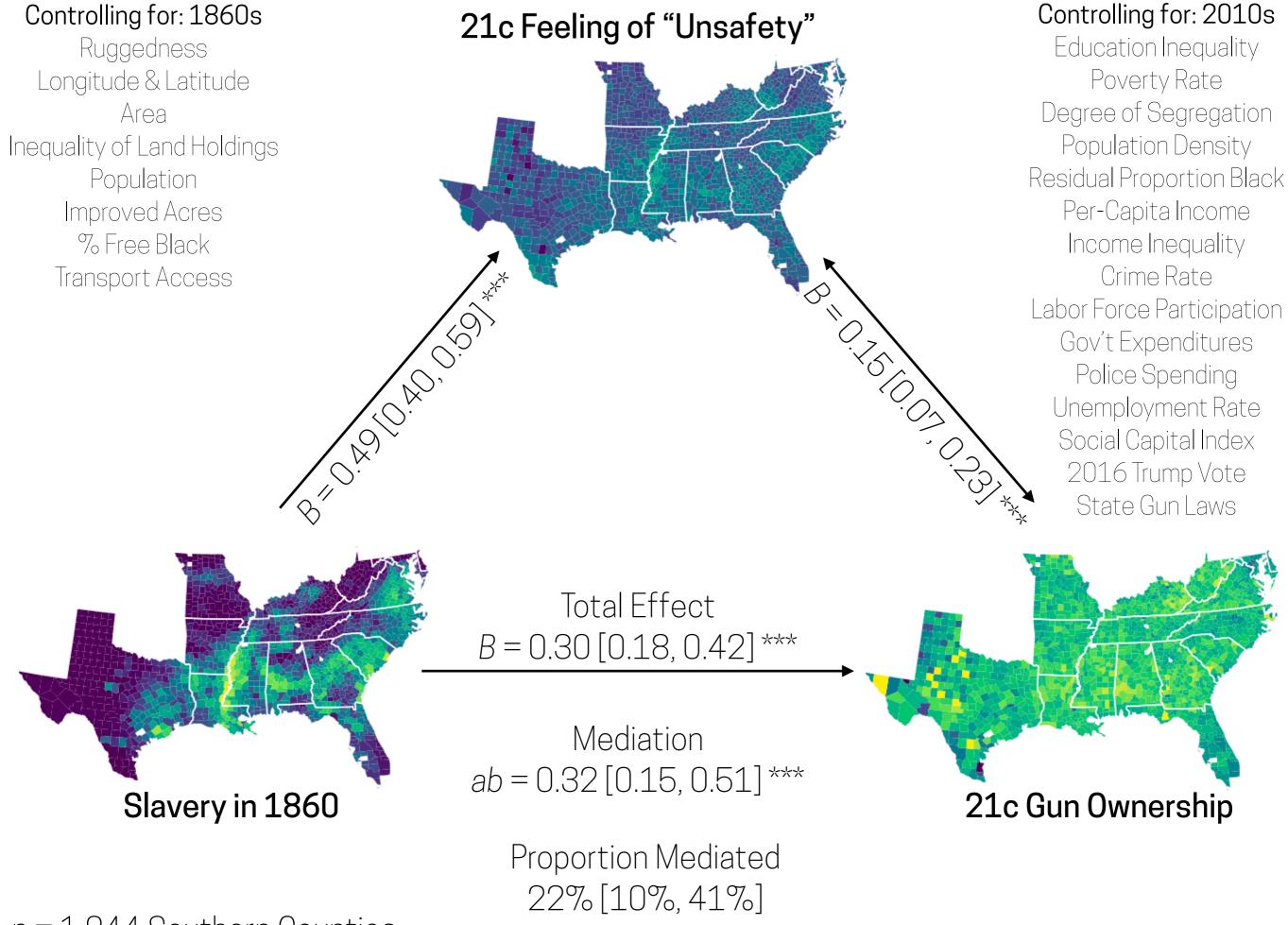


A Measurement Aside

- Suicides committed with a firearm as a percentage of all suicides Azrael, Cook, & Miller, 2004; Siegel, Ross, & King, 2013
- Correlates r = .87 with city-level surveys, r = .92 with state-level surveys, r = .95 with cross-national surveys Kleck, 2004
- At the county level, not statistically distinguishable from an exact correlation measured with sampling error Cook & Ludwig, 2006

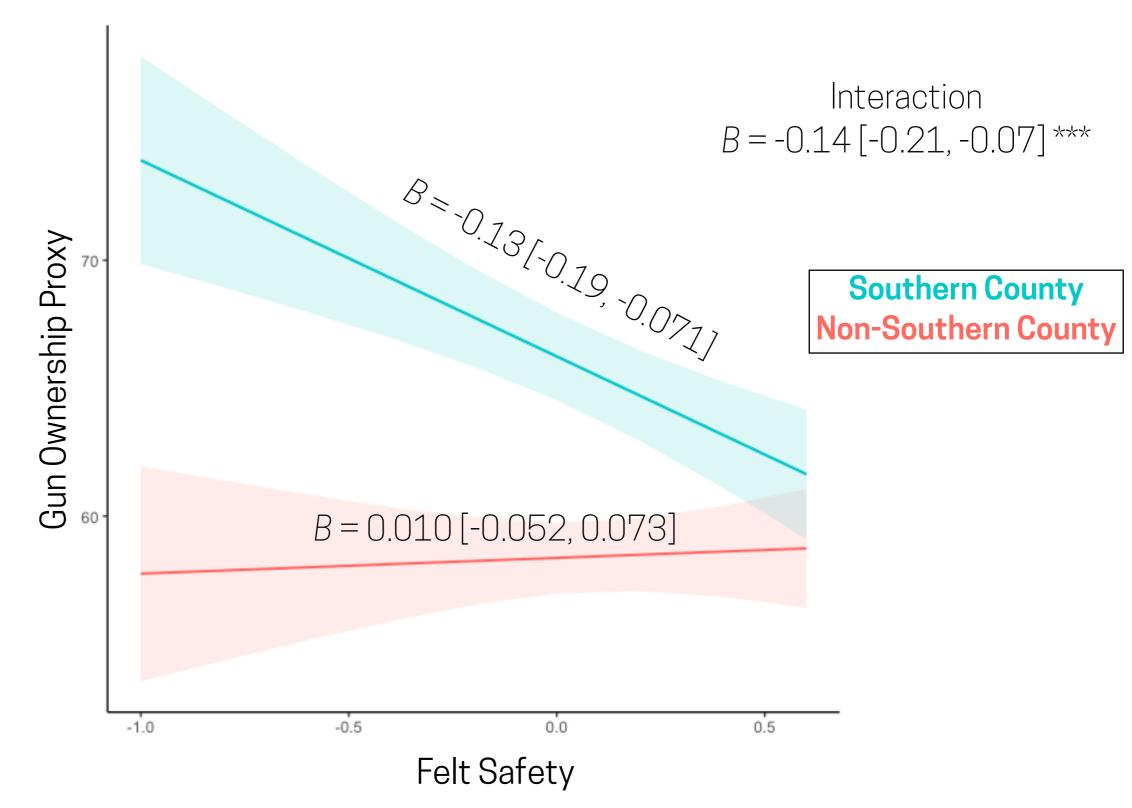
Data Sources

- Every death in the United States from 1996-2016 CDC All Mortality File
- Enslavement data from the 1860 Census
- Nationally-representative survey data from over 3.5 million Americans Gallup Daily Tracking Poll



n = 1,044 Southern Counties

Southern Protective Uniqueness



n = 2,308 Counties, all controls

Belief Diffusion

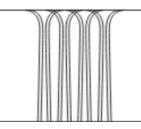
- Facebook Social Connectedness Index
 - County-to-county relationships of every friendship on Facebook
- One index for social connection to patterns of historical enslavement
- One index for social connection to patterns of contemporary gun ownership

	Predicting Gun Ownership
Social Connection to Slaveholding Counties	<i>B</i> = 0.08 [0.01, 0.15]*
Social Connection to Gun-Owning Counties	B = 0.02 [-0.11, 0.15]
	n = 1 341 Non-Southern Counties

- Historical patterns of enslavement predict contemporary patterns of firearms ownership
- Contemporary residents of counties with higher rates of enslavement are more likely to feel unsafe, and these feelings of safety predict contemporary firearms ownership (but only in the South)
- Social connection to slaveholding counties predicts firearm ownership, above and beyond social connection to other gun-owning counties

Historical prevalence of slavery predicts contemporary American gun ownership





Princeton School of Public and International Affairs buttrick@princeton.edu www.nickbuttrick.com

Southern Culture of Honor

	Predicting Gun Ownership
Historical Patterns of Enslavement	B = 0.30 [0.18, 0.42]***
Geographic Ruggedness (Culture of Honor)	B = 0.09 [0.03, 0.15]**
Chu, Rivera, & Loftin, 2000; Nisbett, 1993	n = 1,123 Southern Counties

No evidence for mediation from ruggedness -> unsafety -> gun ownership No evidence for alternate mediation through feelings of anger or self-respect

The Lore of the Frontier

	Predicting Gun Ownership
Social Connection to Slaveholding Counties	B = 0.26 [0.17, 0.35]***
Social Connection to Gun-Owning Counties	<i>B</i> = -0.03 [-0.11, 0.04]
Social Connection to Frontier Counties	<i>B</i> = 0.02 [-0.02, 0.06]
Bazzi et al., 2020	n = 2,609 American Counties