Studying Social Inequality with Data Science INFO 3370 / 5371 Spring 2023

Political Origins of Wealth Inequality

Learning goals for today

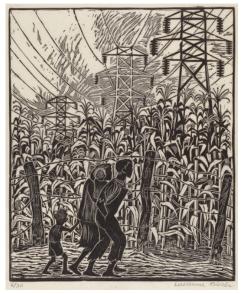
By the end of class, you will be able to

- trace political origins of racial wealth inequality
- ▶ link these to data science questions with a
 - unit of analysis
 - set of predictors
 - ► outcome variable



Walker Evans, 1933. The Breadline.

Source: National Gallery of Art



Lucienne Bloch, 1936. Land of Plenty.

Source: National Gallery of Art



Gordon Parks, 1942. Washington, D.C. Government Charwoman (American Gothic).

Source: National Gallery of Art



Dorothea Lange, 1936. Migrant Mother. Source: Wikimedia, original in MOMA NY



Source: Wikimedia



Source: Wikimedia

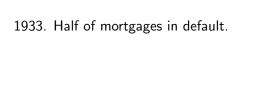


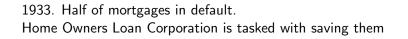
Source: Wikimedia





Source: Wikimedia Source: Smithsonian





1933. Half of mortgages in default.

Home Owners Loan Corporation is tasked with saving them

But who is eligible?

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- ► B (less desirable)
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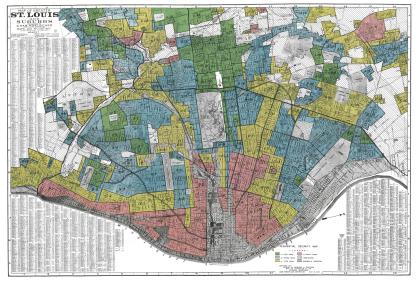
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Jackson, Kenneth T. Crabgrass frontier: The suburbanization of the United States. Oxford University Press, 1987.



Maps from Nelson, R. K., Winling, L, et al. (2023). Mapping Inequality: Redlining in New Deal America. Digital Scholarship Lab.

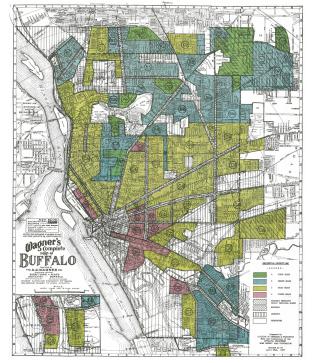


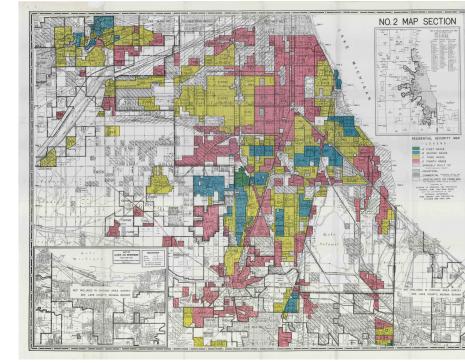
St. Louis 94,030 African Americans

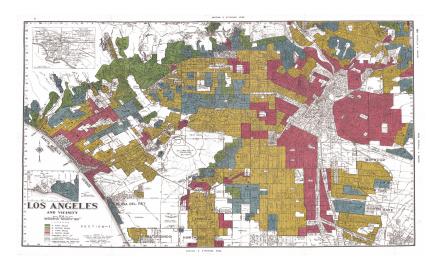


St. Louis 94,030 African Americans 0 outside of red areas

Faber 2020, citing Jackson 1985







HOLC loans: 1933-1934

Source: Faber 2020

\$3 billion of loans in two years
1 out of 10 non-farm, owner-occupied home

[image source]



[image source]



HOLC ended

[image source]



HOLC ended

but the Federal Housing Administration maintained the mapping policy

[image source]



HOLC ended

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How did communities and homeowners respond?

Local organizations furthered racist policies



Source: Blue Ridge Seattle

Local organizations furthered racist policies

- 16. RACIAL RESTRICTIONS. No property in said Addition shall at any time be sold, conveyed, rented or leased in whole or in part to any person or persons not of the White or Caucasian race. No person other than one of the White or Caucasian race shall be permitted to occupy any property in said Addition or portion thereof or building thereon except a domestic servant actually employed by a person of the White or Caucasian race where the latter is an occupant of such property.
- 17. ANIMALS. No fowl or animal other than song birds, dogs or cats as household pets, shall at any time be kept upon land embraced in this Addition.
- 18. AMENDMENTS. The owner or owners of the legal title to not less than 300 residence lots in said Addition may at any time by an instrument in writing duly signed and acknowledged by said owner or owners, terminate or amend said Mutual Easements of Blue Ridge Addition, and such termination or amend-

Source: Civil Rights and Labor History Consortium, University of Washington

image source, video





► enforcement was difficult (video)

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- ► to buy a house, you still needed some wealth

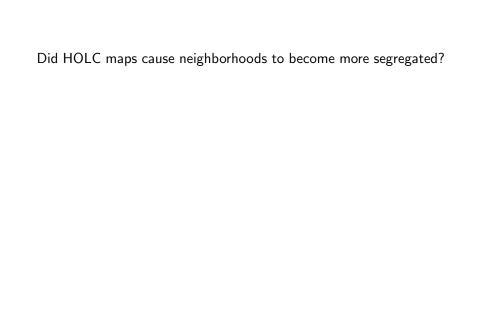
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Segregation and racial inequality rooted in the 1930s **persists today**

data science (example 1)



Did HOLC maps cause neighborhoods to become more segregated?

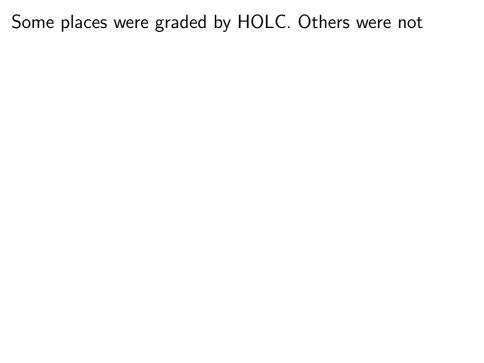
American Sociological Review
Volume 85, Issue 5, October 2020, Pages 739-775
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https://doi.org/10.1177/0003122420948464



Article

We Built This: Consequences of New Deal Era Intervention in America's Racial Geography

Jacob W. Faber 🕞

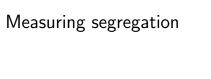


Some places were graded by HOLC. Others were not

▶ Policy: Maps required for cities over 40,000 in population

Some places were graded by HOLC. Others were not

- ▶ Policy: Maps required for cities over 40,000 in population
- ► Practice
 - ▶ 31 cities over 40k that were not mapped
 - ► 188 cities under 40k that were mapped



Measuring segregation

Within each place, there are Census tracts.

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Isolation index

On average over African American residents in the place, what is the average proportion of people in their Census tract who are African American?

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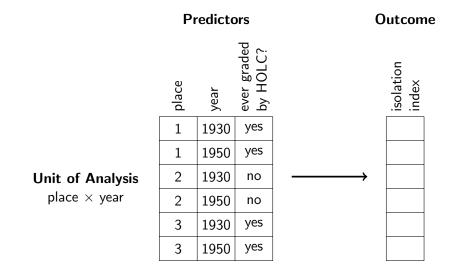
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Isolation index

On average over African American residents in the place, what is the average proportion of people in their Census tract who are African American?

▶ 100% would be complete segregation

The effect of policy on segregation Data



The effect of policy on segregation Sample restrictions

- ▶ place observed in 1920 or 1930, before HOLC
- ► Black population over 100
- ▶ at least two Census tracts within the place
- not missing values on covariates

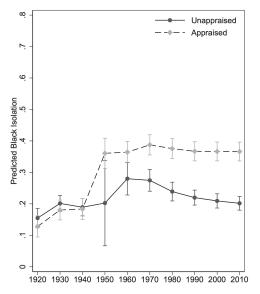


Figure 1 from Faber, J. W. 2020. We built this: Consequences of New Deal era intervention in America's racial geography. American Sociological Review, 85(5), 739-775.

data science (example 2)



In redlined neighborhoods,

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In the suburbs,

- ► Home ownership skyrockets
 - ► 44% owned their home in 1940
 - ► 62% in 1960

National estimates from U.S. Census

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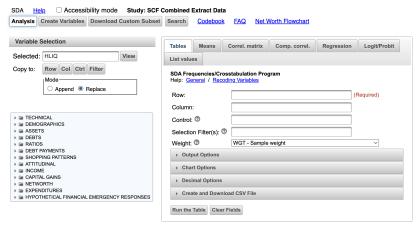
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Oliver, M., & Shapiro, T. (2013). Black wealth/white wealth: A new perspective on racial inequality. Routledge.

2022 Survey of Consumer Finances

https://sda.berkeley.edu/sdaweb/analysis/?dataset=scfcomb2022



2022 Survey of Consumer Finances (link)

- ▶ unit of analysis: household
- predictor: race
- ▶ outcome: net worth = assets debts
- summarized by the median

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White households: \$272,000 Black households: \$49,590

Ratio: 5.48

The typical White household has \$5.48 for each \$1 held by the typical Black household

Additional resources

- ▶ Oliver, M., & Shapiro, T. 2013. Black wealth / white wealth: A new perspective on racial inequality. Routledge.
- ► Faber, J. W. 2020. We built this: Consequences of New Deal era intervention in America's racial geography. American Sociological Review, 85(5), 739-775.
- Massey, D. S., & Denton, N. A. 1993. American apartheid: Segregation and the making of the underclass. Harvard University Press.
- ► Killewald, A., Pfeffer, F. T., & Schachner, J. N. 2017. Wealth inequality and accumulation. Annual Review of Sociology, 43, 379.

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