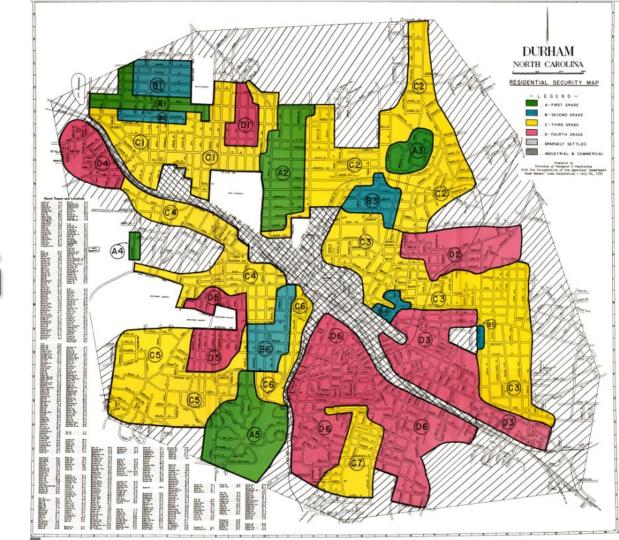
REDLINING

Ethan Byrne, Sara Oberle, Hannah Pechet & Aaron Siegle



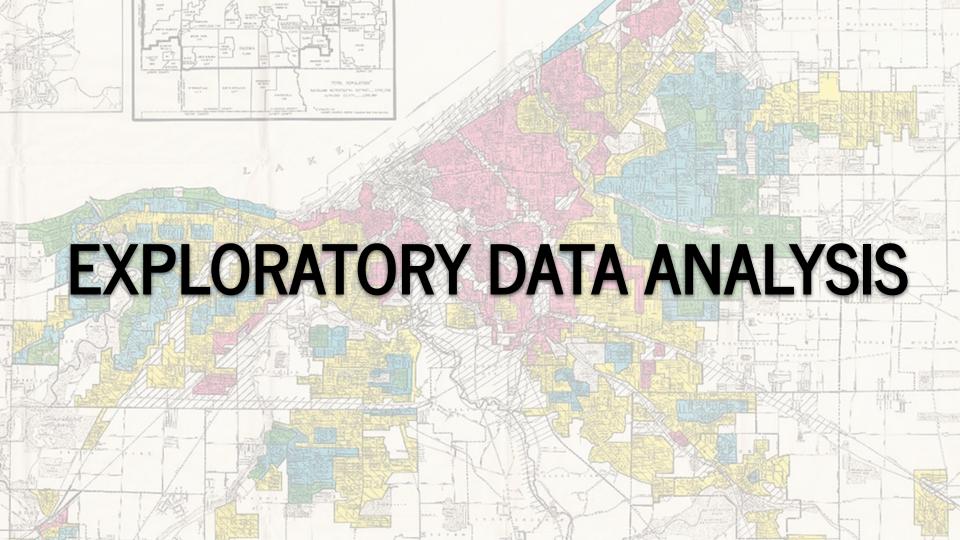
Topic & Motivation

- → Redlining the practice of classifying neighborhoods as hazardous to investment
- → HOLC Grading System
 - ♠ A, B, C, D
- → Impacted minorities' ability to accumulate generational wealth and financial security
- → Has resulted in lasting racial segregation



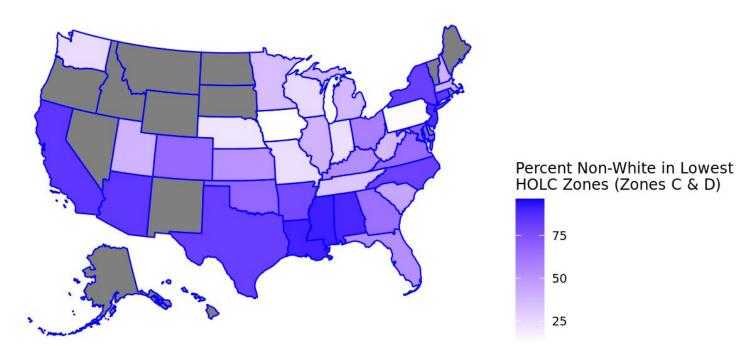
Data Sourcing

- FiveThirtyEight
- 551 observations
- 28 variables
- HOLC maps from 1935–1940
- 2020 U.S. Census

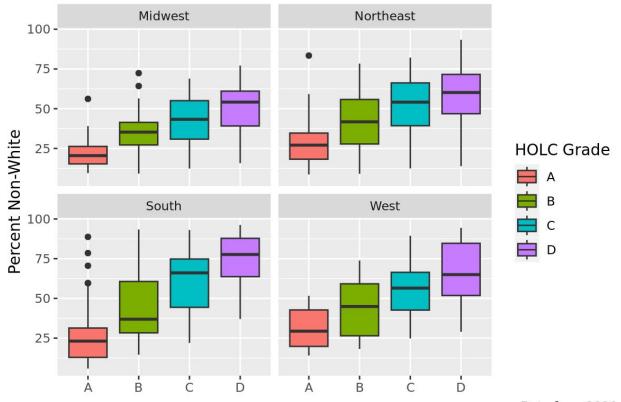


Proportions of Non-White Population in HOLC Zones C & D Across the US*

States shaded grey indicate a lack of metropolitan statistical areas (MSA)



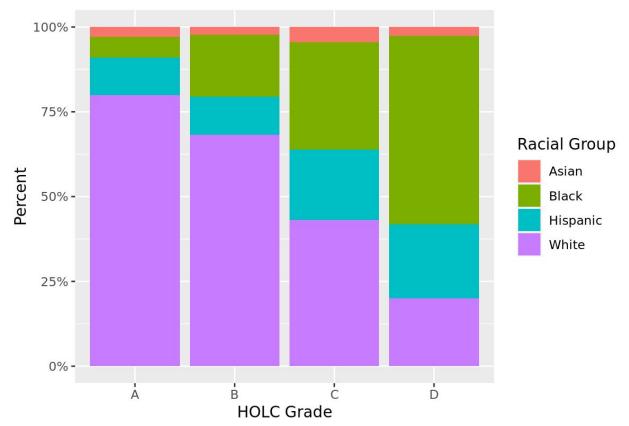
Percent Non-White Population by HOLC Zones in the 4 Major US Regions



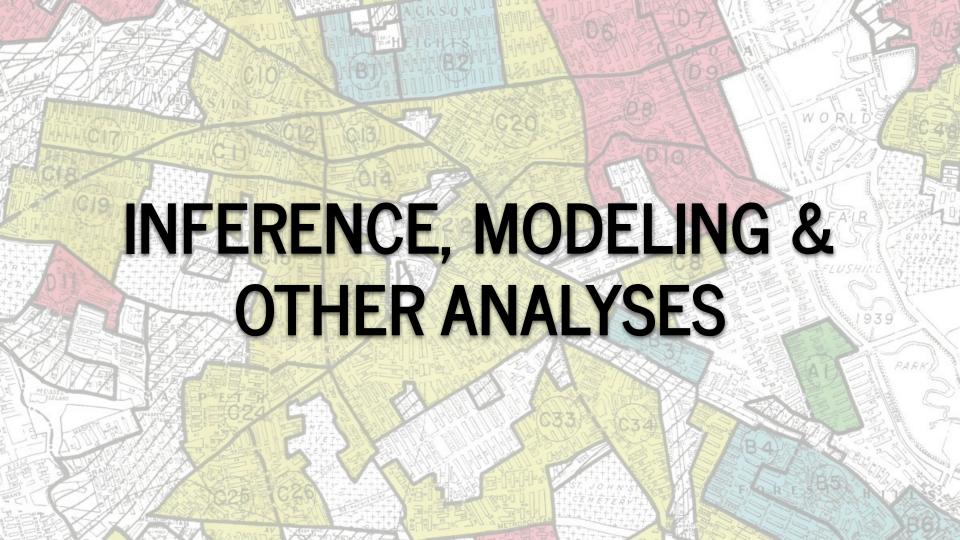
Data from 2020

Figure 2

Racial Breakdown of Durham-Chapel Hill, NC, HOLC Zones



Data from 2020

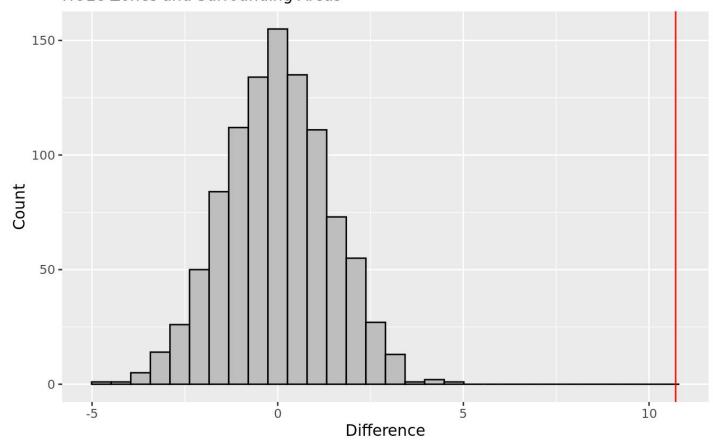


$H_0: \mu_{surrounding} - \mu_{inzone} = 0$

$$H_A: \mu_{surrounding} - \mu_{inzone}
eq 0$$

Null Distribution

Difference in Proportion of White Populations Across HOLC Zones and Surrounding Areas



Future Work

C

