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Research Summaries

The Origins of Urban Segregation in the United States

Allison Shertzer and Randall P. Walsh

Segregation by race is a central and persistent characteristic of American cities, and there is a broad consensus among economists that this spatial separation of racial groups is a key driver of socioeconomic outcomes for urban Americans. Researchers have documented that segregation contributes to poverty, adverse educational outcomes, and reduced intergenerational mobility. These findings naturally give rise to a focus on the origins of segregation. Attention has concentrated on three potential mechanisms: uncoordinated individual behavior, collective group action, and government policy, all of which have the potential to overlap and mutually reinforce one another. In this research report, we describe our work on the rise of segregation in pre-World War II American cities. We focus on the early 20th century period during which black ghettos were established or consolidated in most northern urban areas. The decades from 1900 to 1930 saw the largest increases in measured segregation of the century, as black migration from the South accelerated due to a combination of factors such as the boll weevil's devastation of Southern cotton crops and the slowdown of European immigration after World War I. Despite the importance of this era for understanding how American cities came to be segregated, it has been the focus of very little empirical work in economics. This lack of attention stems from the absence of finely detailed spatial demographic data on cities for time periods prior to 1940.

We have recently constructed such a dataset. It covers 10 major cities and was built by digitizing maps of census enumeration districts and matching them to the full-count census data from 1900, 1910, 1920, and 1930. The resulting dataset gives us new opportunities to study urban population dynamics in prewar America.

The Role of White Flight

Recent scholarship in law and history argues that the federal government played a key role in segregating American cities, for instance by “redlining” potentially integrated neighborhoods when issuing mortgage insurance policies beginning in the mid-1930s. While these government actions may have been important for maintaining the color line in the postwar era, there exists little empirical support for the notion that government intervention was crucial for the initial establishment of segregated neighborhoods. Given that contemporary urban economics literature highlights how uncoordinated, intra-city household sorting across urban areas can increase segregation by race, it is natural to ask: is it possible that segregation could have arisen even in the absence of discrimination by rich areas?

To answer this question, we use our new neighborhood-level dataset to quantify the extent of “white flight” from neighborhoods receiving black in-migrants. Using methods from the labor economics literature to obtain exogenous variation in where black migrants settled, we argue that white households departed neighborhoods in reaction to black arrivals at an accelerating rate over the 1900–30 period. Using a simple counterfactual model to assign blocks to locations that reflect differing levels of institutional barriers to settling in new neighborhoods, we argue that white flight can explain as much as 50 percent of the observed increase in segregation that occurred over the 1920s, the key prewar decade for the consolidation of the ghettos.

Our finding that sorting by whites out of neighborhoods with growing black populations was a quantitatively important phenomenon prior to the postwar opening of the suburbs is novel and calls into question the notion that the federal government was uniquely responsible for segregating America. Our results suggest that, even in the absence of effective barriers to black settlement in white neighborhoods, segregation would likely have arisen as a direct consequence of the widespread and decentralized relocation decisions of white households within an urban area. These results imply that policies that reduce barriers faced by blacks in the housing market — such as those contained in the Fair Housing Act of 1968 — may thus not prevent or reverse segregation as long as white households desire to avoid black neighbors or have concerns about the quality of public goods and amenities in neighborhoods experiencing racial turnover.

The above-cited work should not be construed as an argument that government actions have had no effect on the spatial distribution of various racial groups in American cities. For instance, recent work finds that Home Ownership Loan Corporation lending risk maps have had a long-term impact on home ownership rates and credit scores of individuals who live in neighborhoods that were unfavorably rated. Urban governments also have great scope to shape where individuals of different races and incomes live. The impact of city-level policies has received comparatively less attention in the extant economics literature. To this point, we have undertaken several projects with various colleagues to assess the impacts of zoning and public transit infrastructure on the development of segregated cities.

Racial and Land Use Zoning Ordinances

The most direct way that urban governments have attempted to segregate their populations is through the adoption of explicitly racial zoning ordinances. Passed by cities between 1910 and 1917, these ordinances prohibited members of the majority racial group on a given city block from selling or renting property to members of another racial group. Walsh and co-author Werner Troesken’s work suggests that prior to the adoption of these laws cities had created and sustained residential segregation through private norms and vigilante activity. Only when these private arrangements began to break down during the early 1900s did whites begin lobbying municipal governments for the passage of segregation ordinances. While these ordinances are salient indicators of racial attitudes in the early 1900s, continual court challenges reduced their direct impact on segregation. The potential efficacy of segregation ordinances was effectively ended in 1917 by the landmark Buchanan v. Warley decision, in which the United States Supreme Court struck down a racial zoning ordinance adopted by Louisville, Kentucky. The outlawing of racial zoning ordinances meant that city governments could no longer legally enshrine the unequal treatment of neighborhoods by race. However, the potential misappropriation of purportedly race-blind “comprehensive” land use regulations is another way that zoning could have led to increased residential segregation. These ordinances, which set out allowable uses and building volumes for each block in the city, gained traction shortly after World War I. Today nearly every city in the United States has such an ordinance in force.

In joint work with Tate Twinnam, we study the original zoning ordinance adopted by the city of Chicago in 1923, which was quite typical of land use regulation at the time.9 The initial zoning ordinance was preceded in 1922 by a survey of land use at the city-block level. By digitizing this fine-scale geographic data on pre-existing land use we are able to...
separate the effect of zoning from persistence in land use in our empirical work. We find that, conditional on preexisting uses, black neighborhoods were targeted for both higher-density and industrial use zoning, compared with neighborhoods with white native-born residents. Discrimination in zoning thus survived in policies that were race-neutral in determining the location of economic activity within cities.\footnote{Land use regulation could thus be a key mechanism through which local governments fostered and maintained segregation by race.}

Transportation and Neighborhood Stability

Urban governments also may have facilitated separation between racial groups by investing in public transit infrastructure. The sharp increase in employment centers, which local governments fostered and supported, was critical for the acceleration of white flight because streetcars and subways significantly reduced the cost of living further away from employment centers. Household preferences for racial composition could have interacted with municipal infrastructure investments to increase residential segregation. Such a finding would further underscore the lesson that policies that were race-neutral on their face likely contributed to the development of segregated cities.

Our current work also explores the intersection of household preferences and collective action by whites to create neighborhoods populated almost entirely by African Americans, in particular the phenomenon of “blockbusting.” This term was used to describe the process by which ghettos expanded in American cities. Real estate agents would select a promising area, usually adjacent to an existing black neighborhood, acquire a few properties, and rent them to African American families. The ensuing panic amongst the remaining white residents allowed real estate agents to buy the remaining properties at a discount and divide them into cramped apartments for additional black tenants.

To explore the housing market dynamics associated with blockbusting, we are constructing a unique panel dataset of addresses spanning the 1930s, a decade which saw significant expansions of ghettos in northern cities. Specifically, we are matching addresses from the population censuses of 1930 and 1940, the first national surveys to ask about housing prices. The resulting dataset will allow us to explore the housing price dynamics associated with racial turnover in urban neighborhoods, providing a fuller picture of the welfare implications of blockbusting and increased segregation.

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