



MINNESOTA POPULATION CENTER

National Historical Geographic Information System

National Historical Geographic Information System (NHGIS)

Provides, free of charge:

- Aggregate census data
- GIS-compatible boundary files

United States between 1790 and 2000.

<http://www.nhgis.org/>

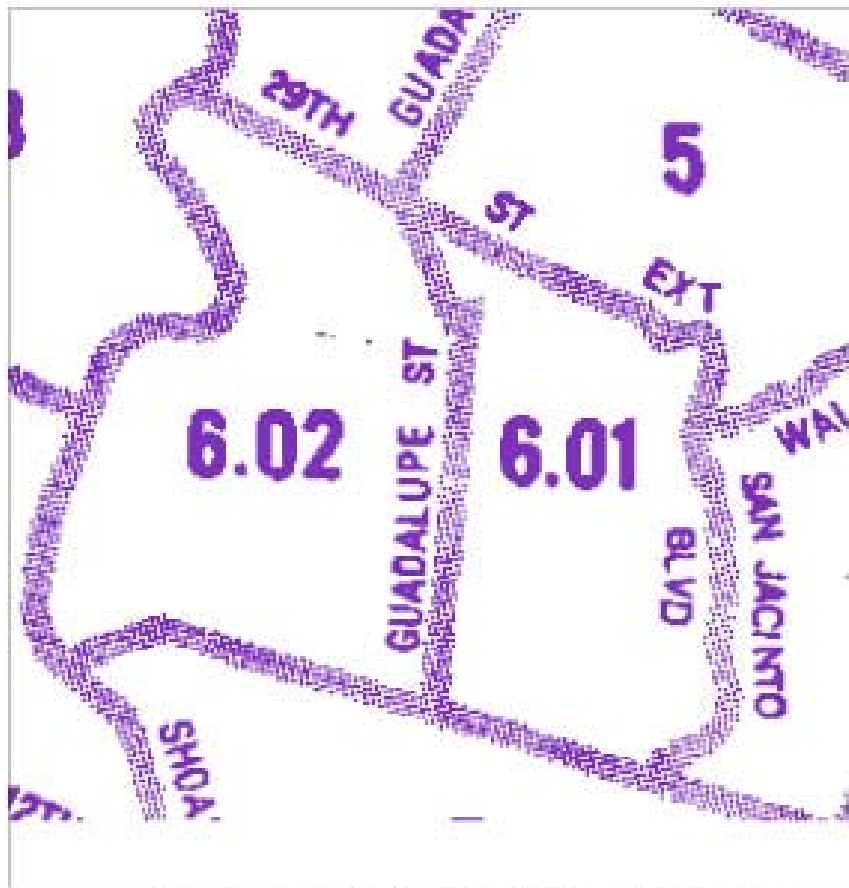
NHGIS - Content

- US aggregate data 1790-2000
- Geographies (33 geographies to map)

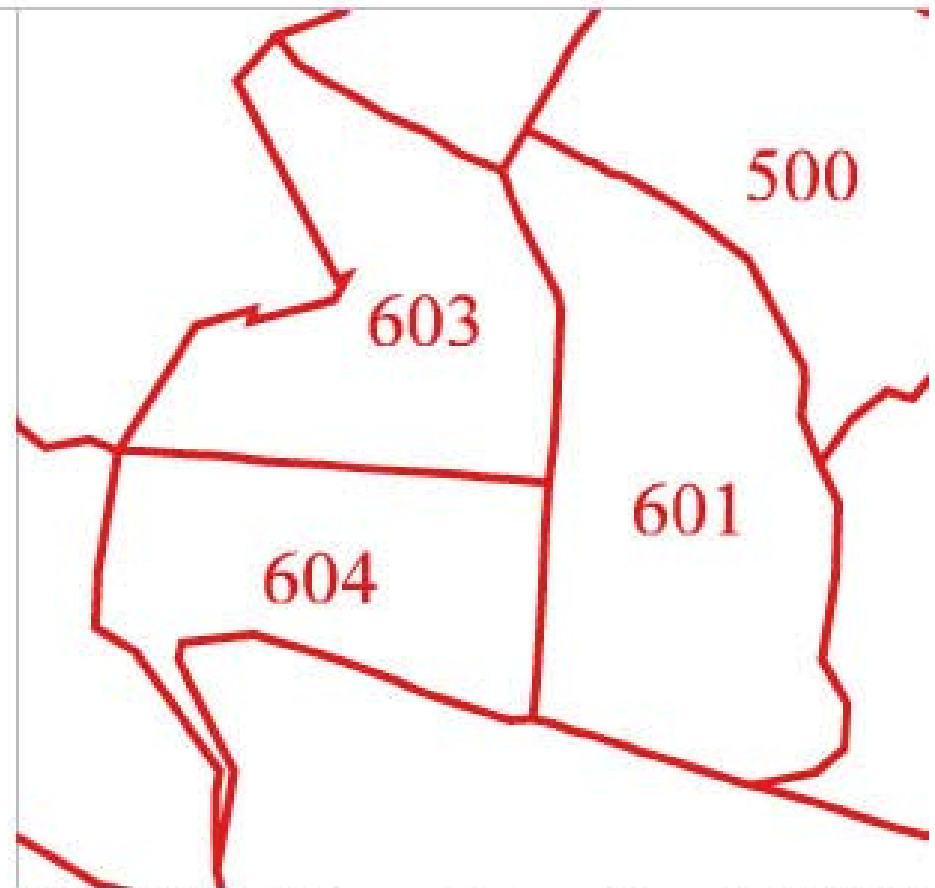
Major geographies available to us in a GIS:

- States (1790-2000)
- Counties (1790-2000)
- Census Tracts (1910-2000)
- Block groups (1990-2000)
- Blocks (1990-2000)

Pre1990 Census Tract Editing Process



Scanned 1980 Tract Map



1990 Tract Boundaries from TIGER

Pre1990 Census Tract Editing Process

Boston, MA 1910

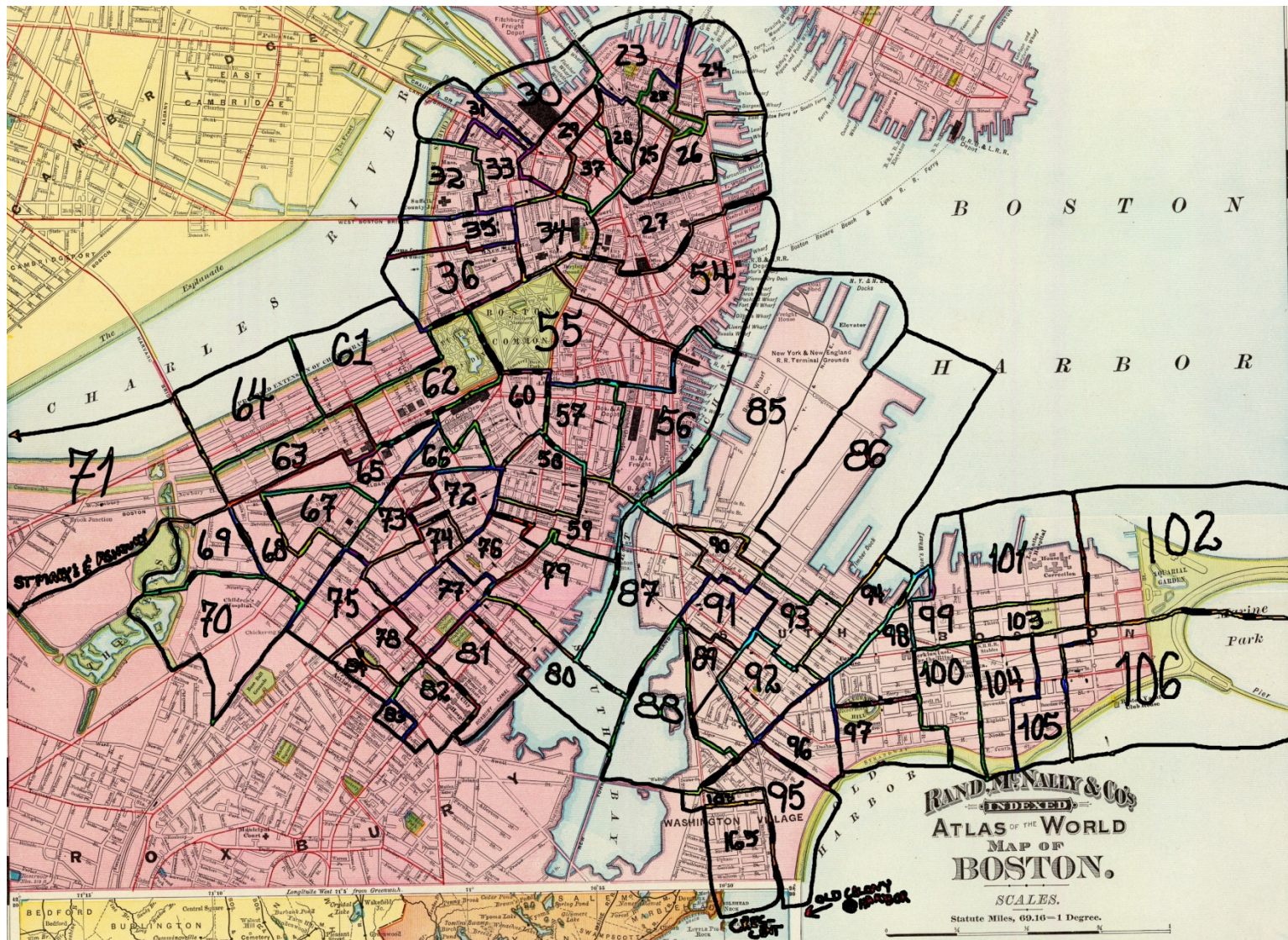
11-1742
 Bureau of Commerce and Labor
 BUREAU OF THE CENSUS
 THIRTEENTH CENSUS
 GEOGRAPHER

William

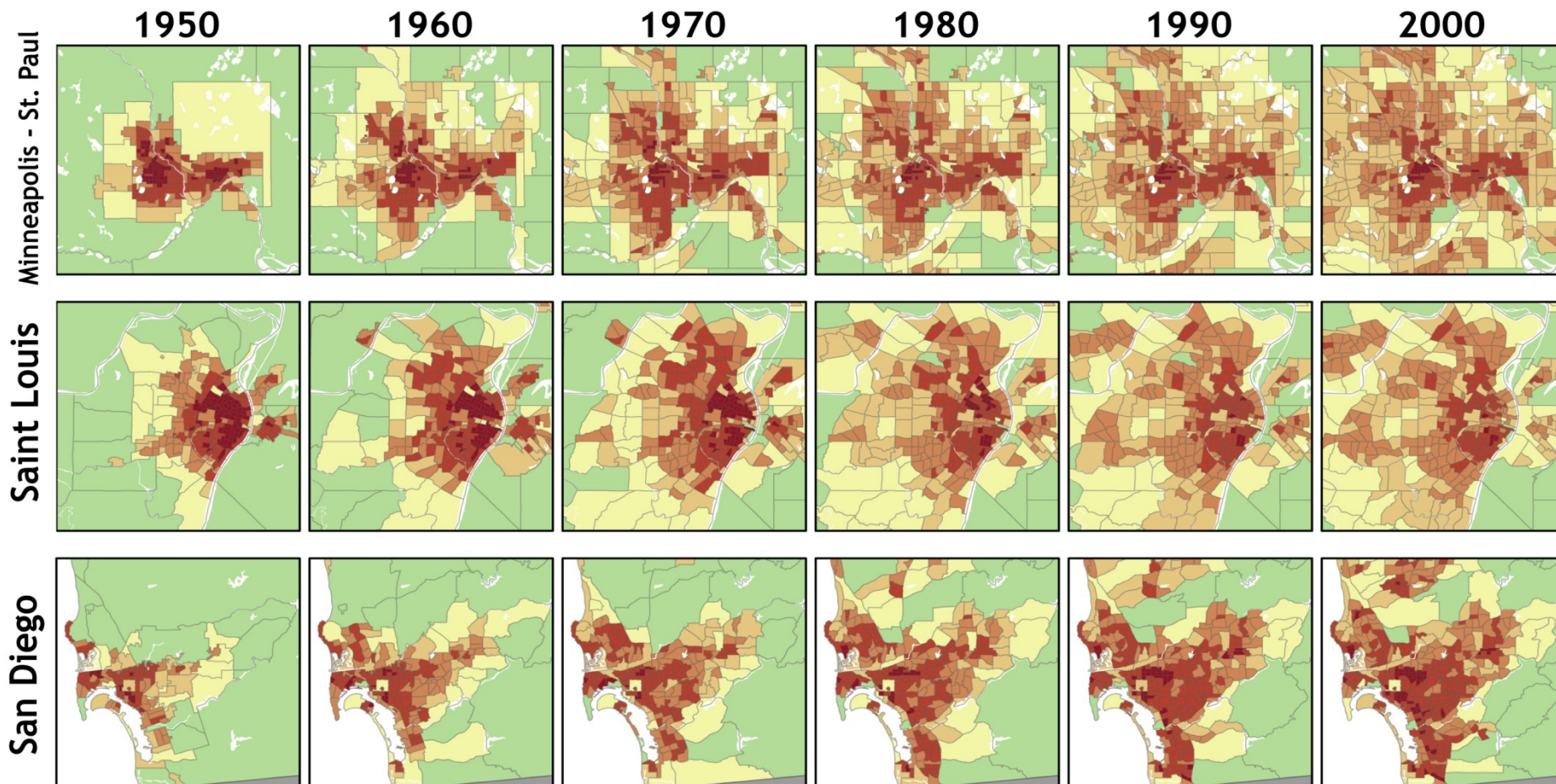
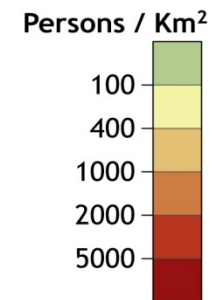
Descriptions of the Enumeration Districts of the Supervisor's District of Massachusetts

NO. OF E. D.	DESCRIPTION OF ENUMERATION DISTRICT	COUNTY	RATE OF PAY	INSTRUCTIONS
1254 Tract 7 (pt. of)	Boston city. Ward 1. (part of) Precinct 1 Bounded by: Eutaw, Meridian, and Lexington Marion Bennington, and Central Sq. Border	Suffolk Pop. 1910	1970 B	
1255 Tract 7 (pt. of)	Ward 1 (part of) Precinct 2 Bounded by: Eutaw Brooks Saratoga Marion, Lexington, and Meridian		1959 B	
1256 Tract 19 (pt. of)	Ward 1 (part of) Precinct 3 (part of) Bounded by: Condor Brooks White Meridian		1,350 B	
1257 Tract 19 (pt. of)	Ward 1 (part of) Precinct 3 (part of) Bounded by: Harbor line Meridian, White, Brooks, Eutaw, and Border Ward line		1,644 B	

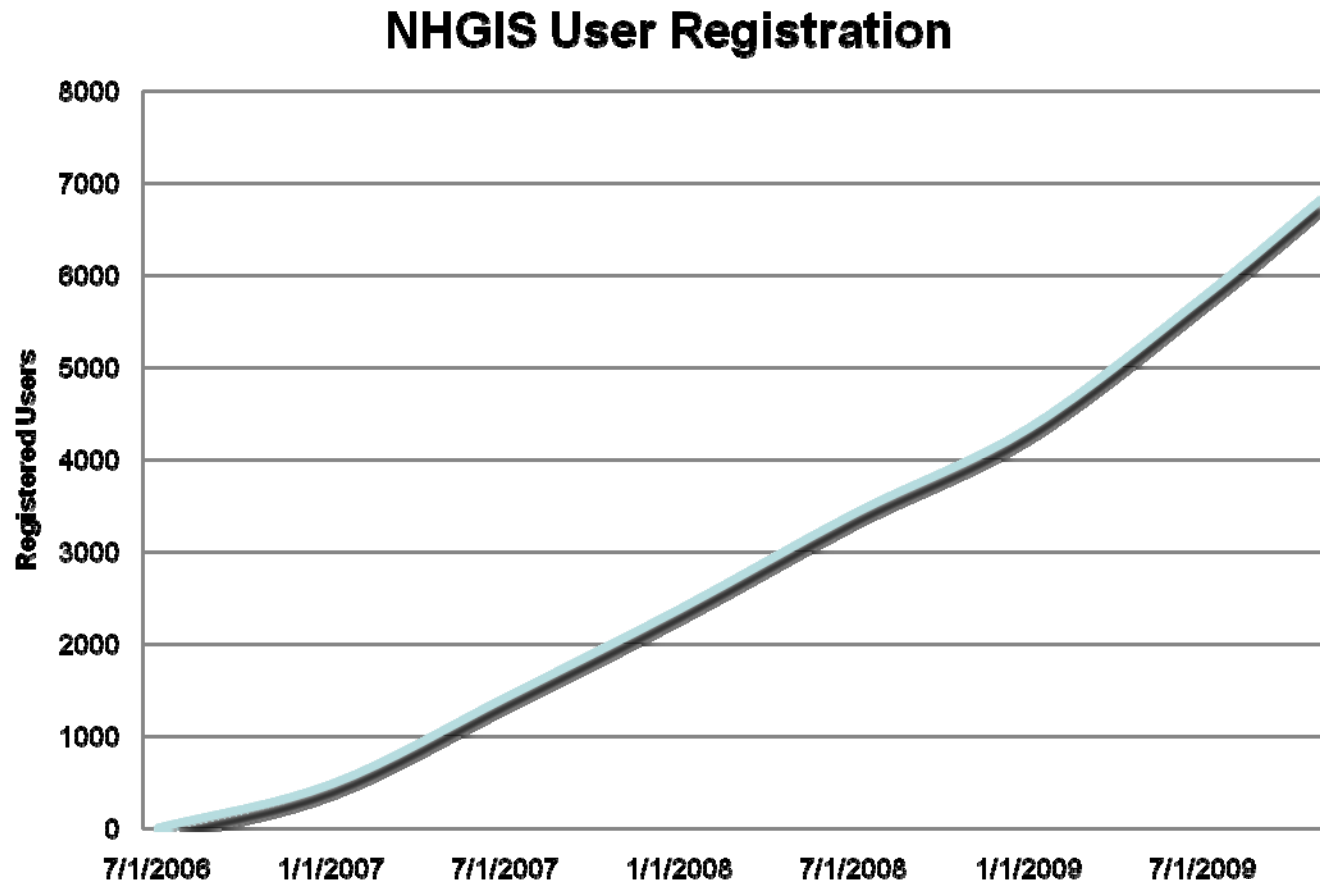
Pre1990 Census Tract Editing Process Boston, MA 1910



Comparison Mapping Studies



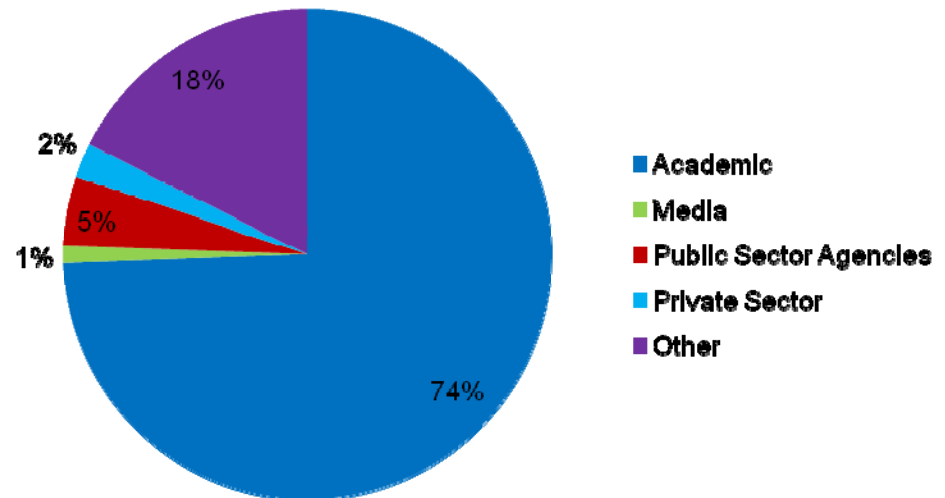
NHGIS Projects: Number of Users



NHGIS Projects: Type of Users

	Number	% of Total
Academic	5069	74%
GIS	1165	
Academic	892	
Urban Studies/Planning	621	
Geography	508	
Economics	439	
History	439	
Other Academic	313	
Government	282	
Demography	210	
Sociology	200	
Media	78	1%
Journalist	33	
News Media	45	
Public Sector Agencies	315	5%
Non-Profit	84	
Policy	85	
Public Policy	146	
Private Sector	153	2%
Private Industry	118	
Market	35	
Other	1197	18%
TOTAL	6812	

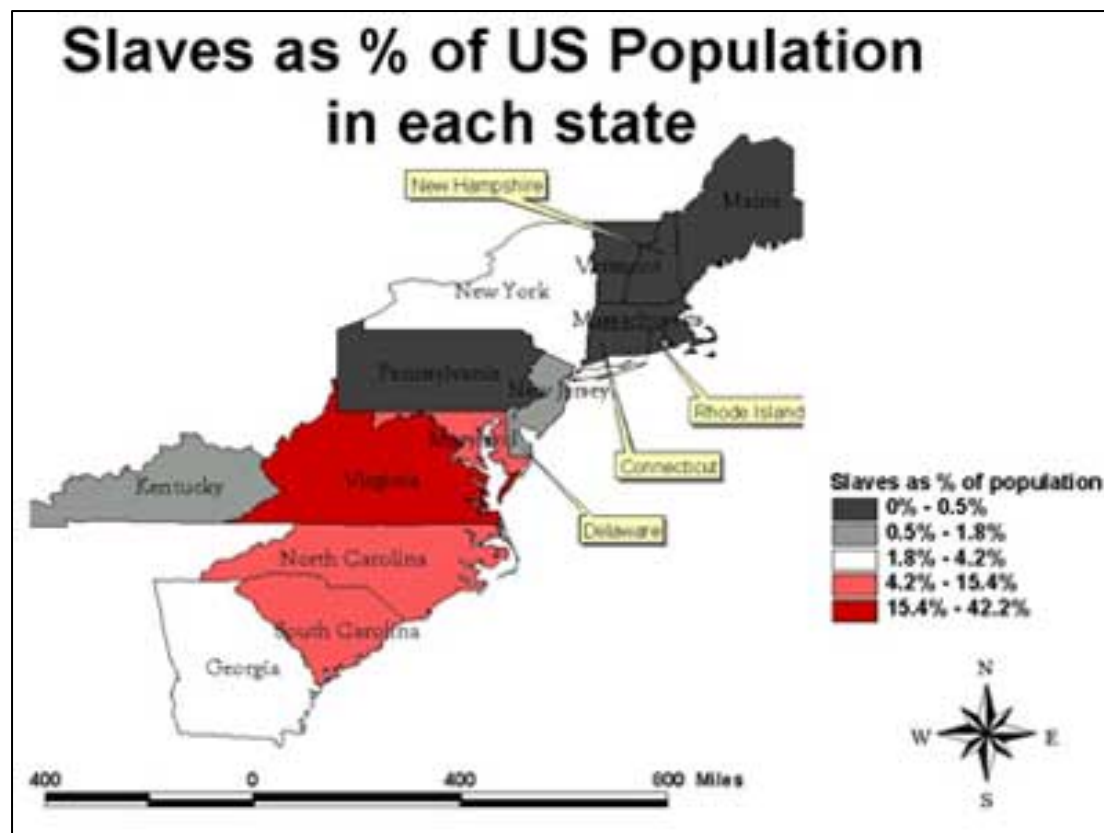
Chart Title



NHGIS Projects: High School



HERSCHEL SARNOFF
JORDAN HIGH SCHOOL-LAUSD



<http://www.hmsgis.multimedialearning.org/>

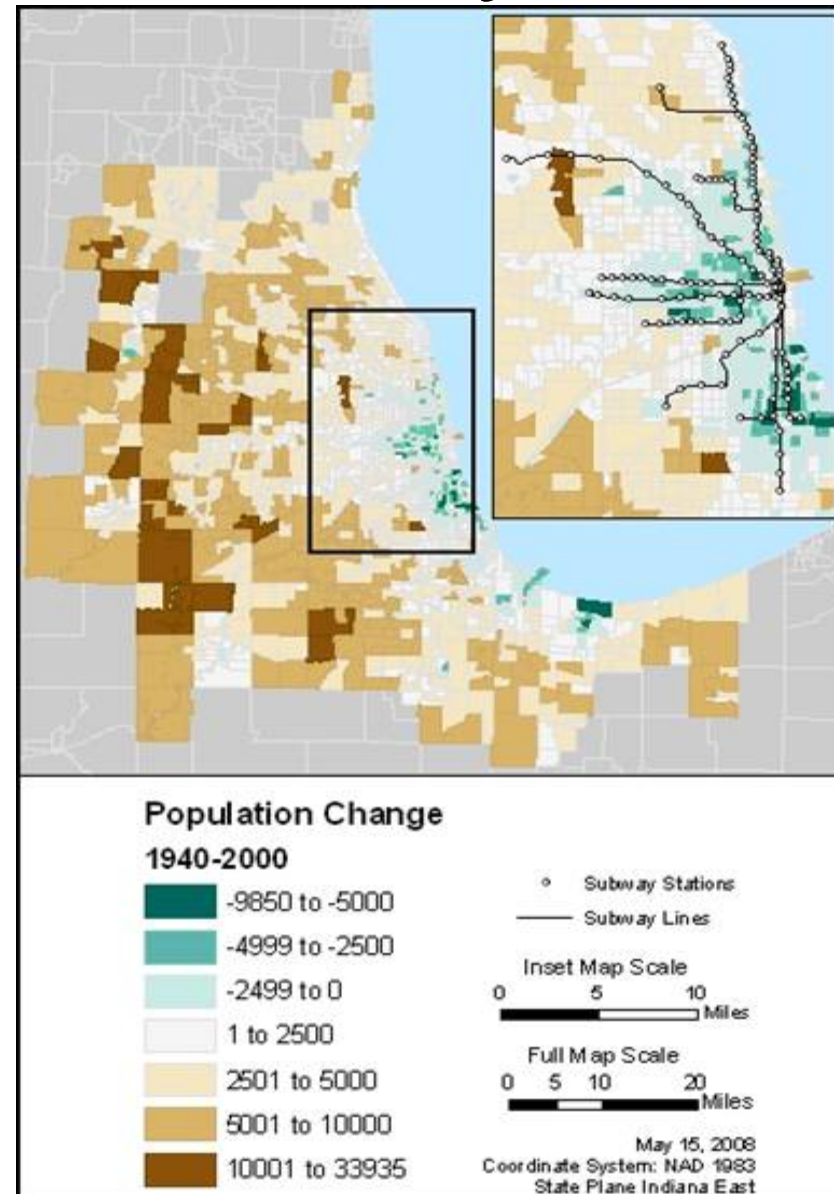
NHGIS Projects: University

The Chicago "L": A Geographic Perspective

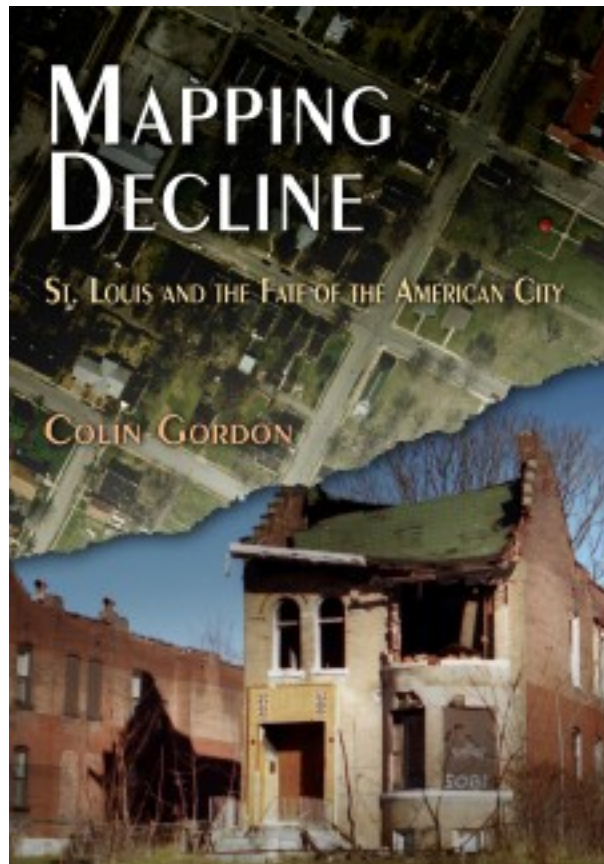
Rachel Strong - Spring 2008

This map is looking at the net population change from 1940 – 2000. Tracts which have lost population over these 60 years appear in three shades of blue, whereas tracts which have gained population show up in increasingly darker shades of brown.

<http://geography.middlebury.edu/applications/GEOG0420/index.html>



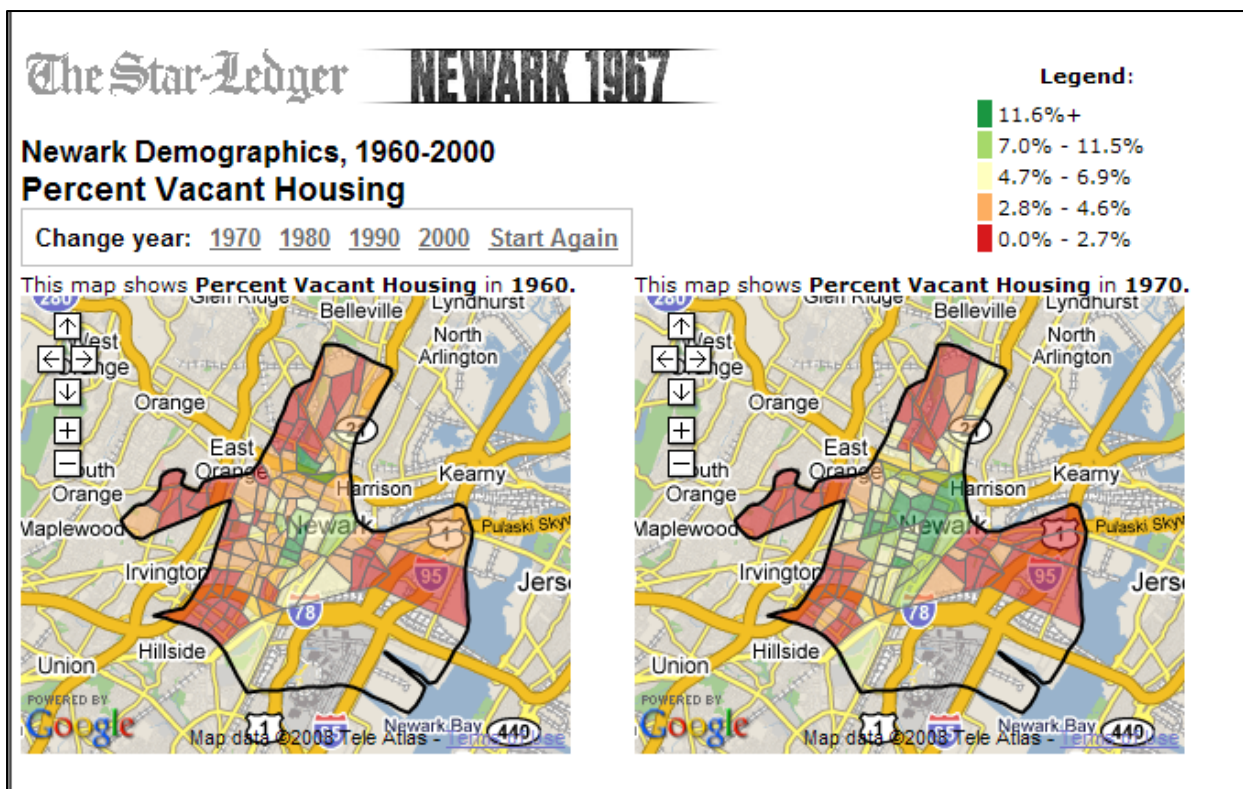
NHGIS Projects: Books



Colin Gordon's *Mapping Decline; St. Louis and the Fate of the American City*. *Mapping Decline* is the first history of a modern American city to combine extensive local archival research with the latest geographic information system (GIS) digital mapping techniques. More than 75 full-color maps—rendered from census data, archival sources, case law, and local planning and property records—illustrate, in often stark and dramatic ways, the still-unfolding political history of our neglected cities.

<http://www.upenn.edu/pennpress/book/14445.html>

NHGIS Projects: Media



For the 40th anniversary of the Newark riots the Star-Ledger had extensive coverage of the history and legacy of those tumultuous days.

One way to measure Newark then and now is through the U.S. Census.

<http://www.nj.com/newark1967>

Future Projects

1. Integrate geographies
2. Other data integration:
 - Environmental
 - Health
3. International boundary files