

The Influence of Community Demographics on New Public Library Facilities

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Overview

- New public library facilities tend to close and open in areas with increased poor and ethnic communities.
 - Most library outlets open, and most library outlets close, in large metropolitan areas.
- However, this pattern does not hold for rural libraries.
 - New rural libraries go into areas of less diversity.

Theories of Access

- The concept of “access” is focused on potential – “the ability to benefit” (Ribot & Peluso, 2003).
 - Access is controlled by an agency other than the one being affected.
- Components of information access (Burnett, Jaeger, & Thompson, 2008)
 - Physical access
 - Intellectual access
 - Social access
- Library location directly impacts who has access and who does not (Koontz, 1997)

Tools

- Microsoft Excel
- Microsoft Access
- ArcGIS 10.2.2

Data Sets

- IMLS Public Library Survey Data Files, FY2010 and FY2000
- Demographic, economic, and social data from 2000 and 2010 decennial census, Economic Census, and American Community Survey

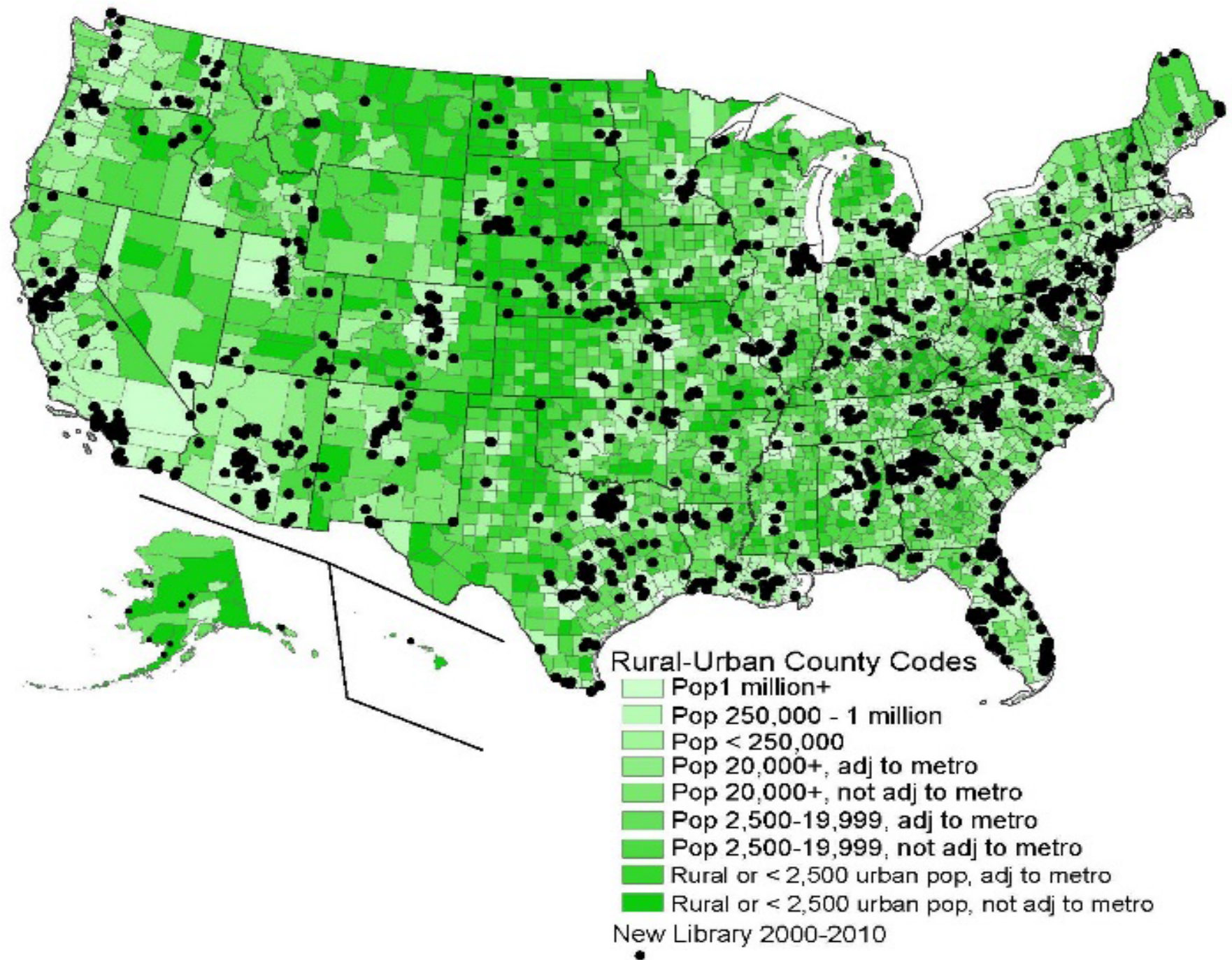
Method (Library Data)

- Defining what is a new, open or closed library
- Obtained library data from the [Institute of Museum and Library Services](#)
- Compare the 2000 and 2010 datasets to form a list of new and closed libraries
- Obtain coordinates in order to map the libraries using ArcMap

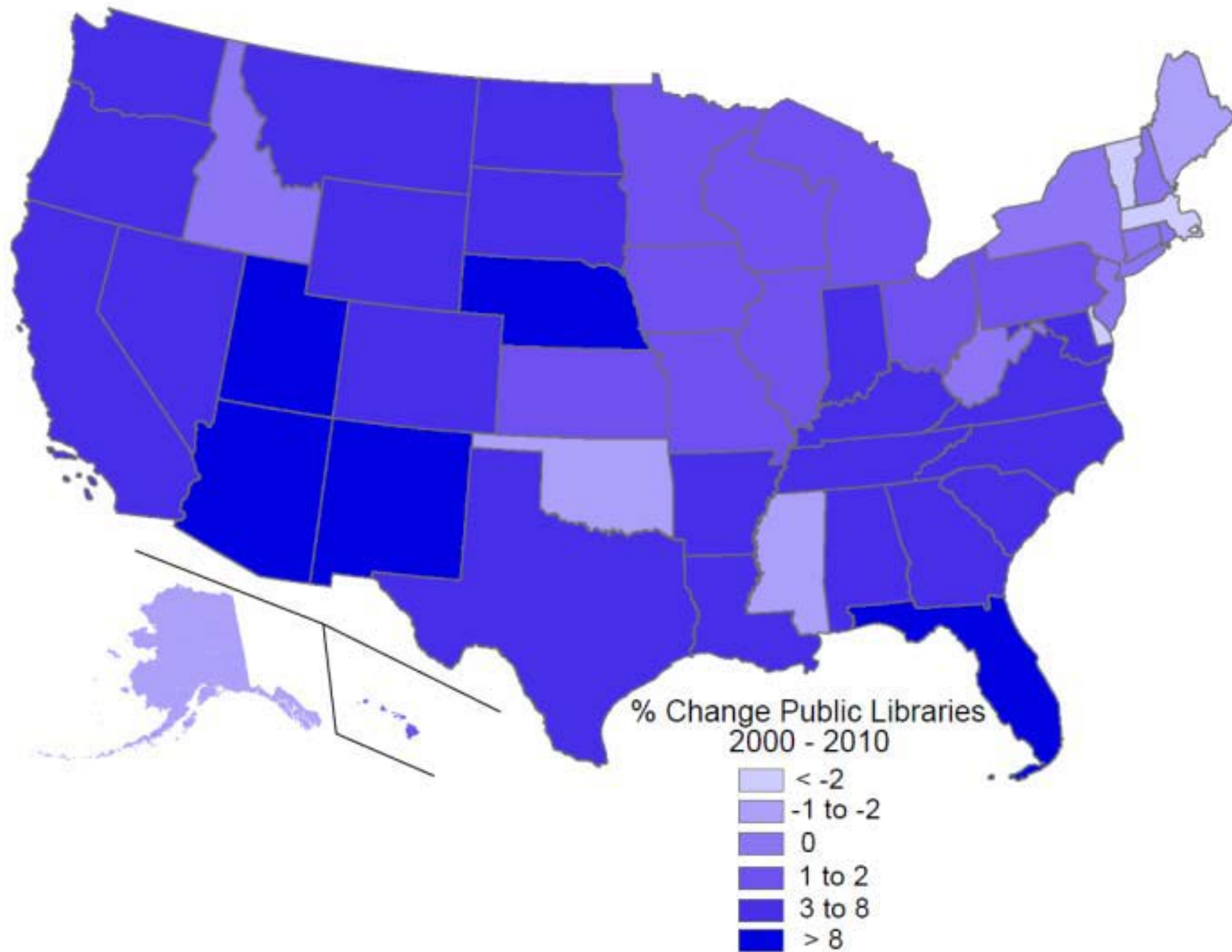
Variables

- Geographic
 - County type
- Demographic
 - Percent population changes
 - Race/ethnicity
- Political
 - Percent of county voting Democrat or Republican in 2004 and 2008 elections
- Socioeconomic
 - Median household income
 - High school graduation rate
 - College graduation
- Dependent
 - Public library facility openings and closures

New Library Openings in Rural and Urban Counties

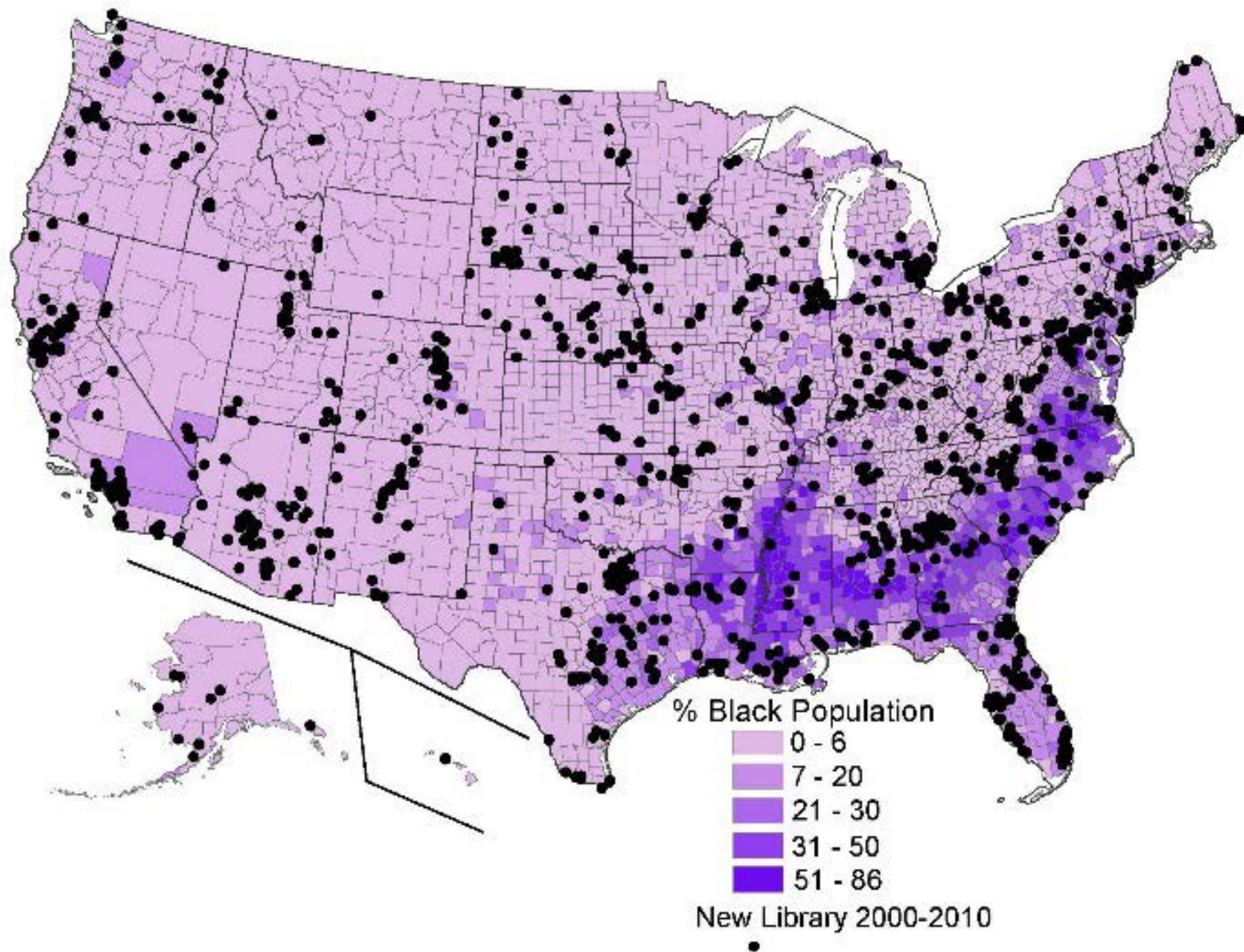


2000- 2010 Net Change in Public Libraries by State

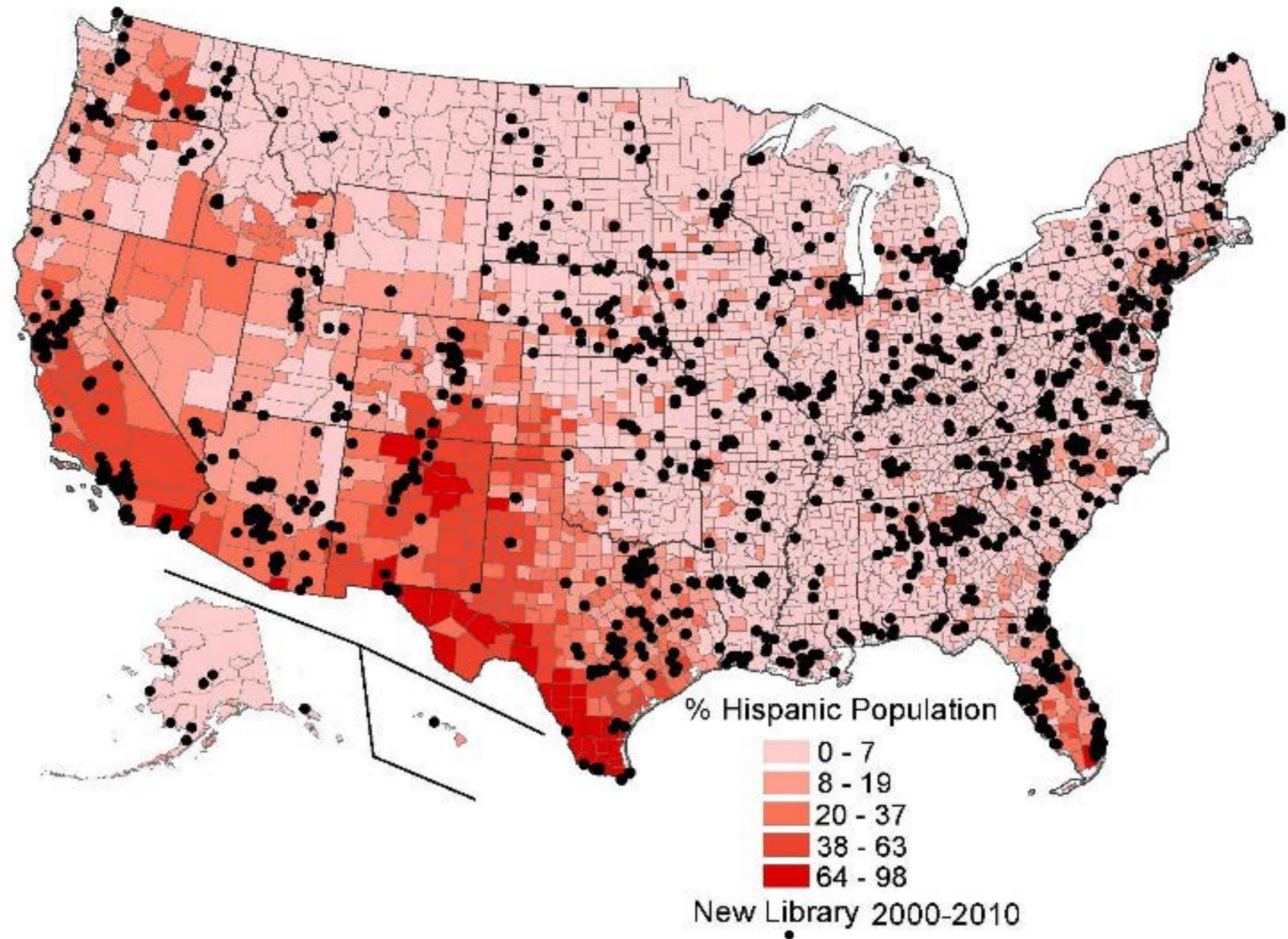


County Type	Counties with New Libraries (n=616)	Counties without New Libraries (n=2522)
Metro, pop >1,000,000+	28%	10%
Metro, pop 250,000-1,000,000	22%	10%
Metro, pop <250,000	14%	11%
Nonmetro urban, pop >20,000, adjacent to metro area	6%	7%
Nonmetro urban, pop >20,000, not adjacent to metro area	3%	3%
Nonmetro urban, pop 2,500-19,999, adjacent to metro area	10%	21%
Nonmetro urban, pop, 2,500-19,999, not adjacent to metro area	7%	15%
Nonmetro, pop <2,500, adjacent to metro area	4%	8%
Nonmetro, pop <2,500, not adjacent to metro area	6%	15%
TOTAL	100%	100%

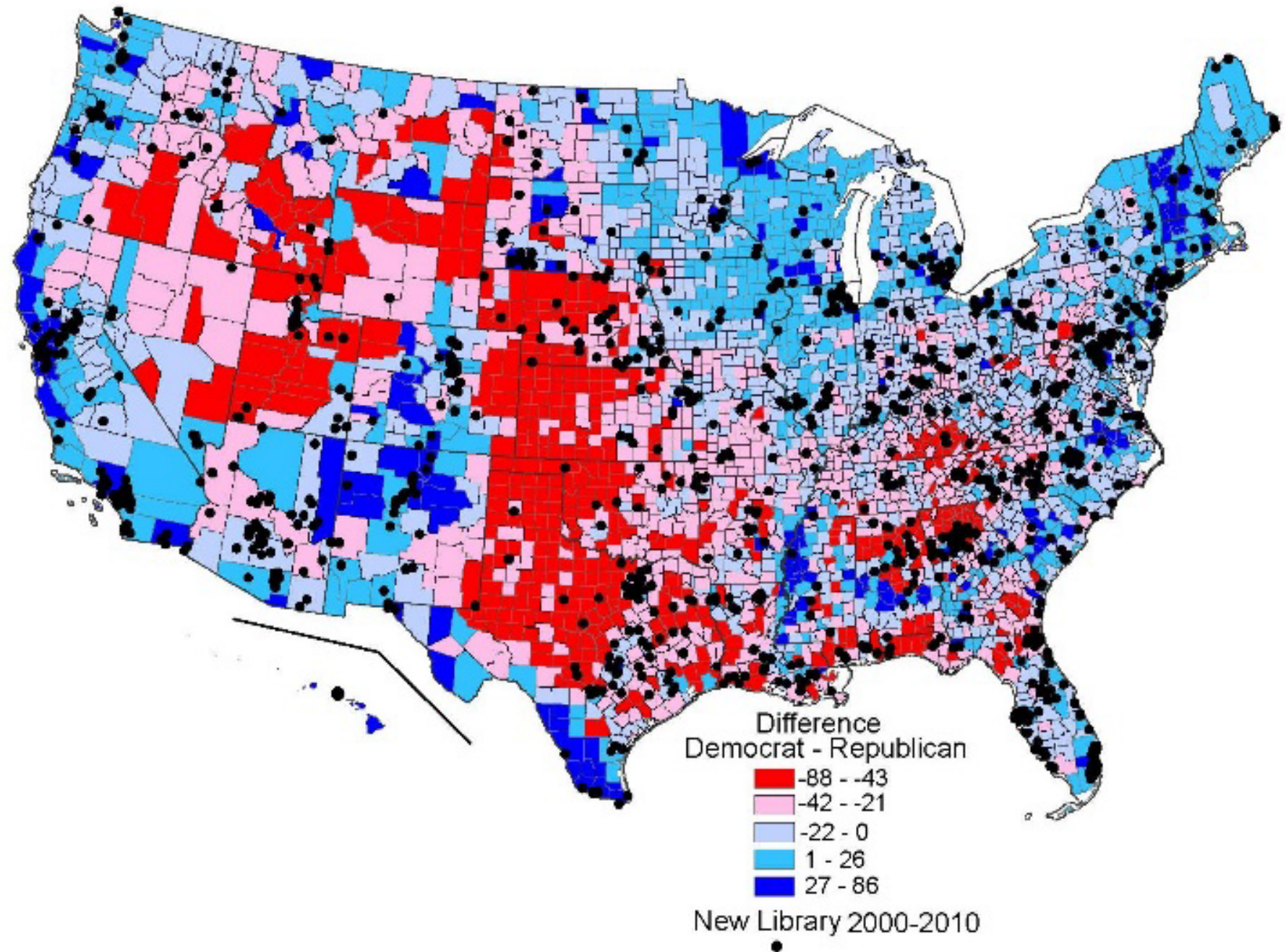
New Library Openings and 2010 African American County Population



New Library Openings and 2010 Latino County Population



New Libraries Openings and 2008 Presidential Election Voting Trends



Variable	Counties with New Libraries (n=616)	Counties without New Libraries (n=2522)
Percent White, 2010	78.6%	84.0%
Percent Nonwhite, 2010	21.4%	14.7%
Percent Black	9.8%	8.7%
Percent Latino, 2010	10.8%	7.7%
High School Education, 2006-2010	85.1%	82.6%
Bachelor’s Degree, 2010	23.7%	17.9%
Percent Poverty	15.9%	17.0%
Median Household Income, 2010	\$47,648	\$42,024
Presidential Election Results, 2008	45% D, 53% R	41% D, 58% R
Presidential Election Results, 2004	41% D, 58% R	38% D, 61% R

When we include both rural and urban counties in the same measures, are we comparing apples to oranges?

Variable	Rural Counties with Library Closures (n=71)	Rural Counties with Library Openings (n=139)
Percent White, 2010	83.8%	85.5%
Percent Nonwhite, 2010	16.7%	15.7%
Percent Black, 2010	8.7%	5.2%
Percent Latino, 2010	7.8%	8.2%
High School Education, 2006-2010	82.3%	83.9%
Bachelor’s Degree, 2010	18.5%	18.1%
Percent Poverty, 2010	18.3%	17.8%

When a rural public library closes....

- **physical** access to books, computers, and broadband access is reduced.
- **intellectual** access to materials carefully chosen to serve users' needs is eliminated.
- **social** access to spaces where information-seeking and information use are normative is eliminated.

Are digital resources the answer?

- For urban libraries, probably yes.
 - Increased options for computer use and Internet connectivity.
 - Increased access to “smart” devices.
 - Larger library systems with increased resources for digital materials.
- For rural libraries, probably no.
 - Rural poor residents are less likely to have computer and Internet access.
 - When a rural library closes, a population may lose access to any library.