The Exploration of Income, Poverty and Educational Census Data for Black and White Populations

January 25th, 2024

Amy Brombos, EdD & Meredeth Maxwell, M.S.
U.S. Census Bureau
Data Dissemination and Training Branch

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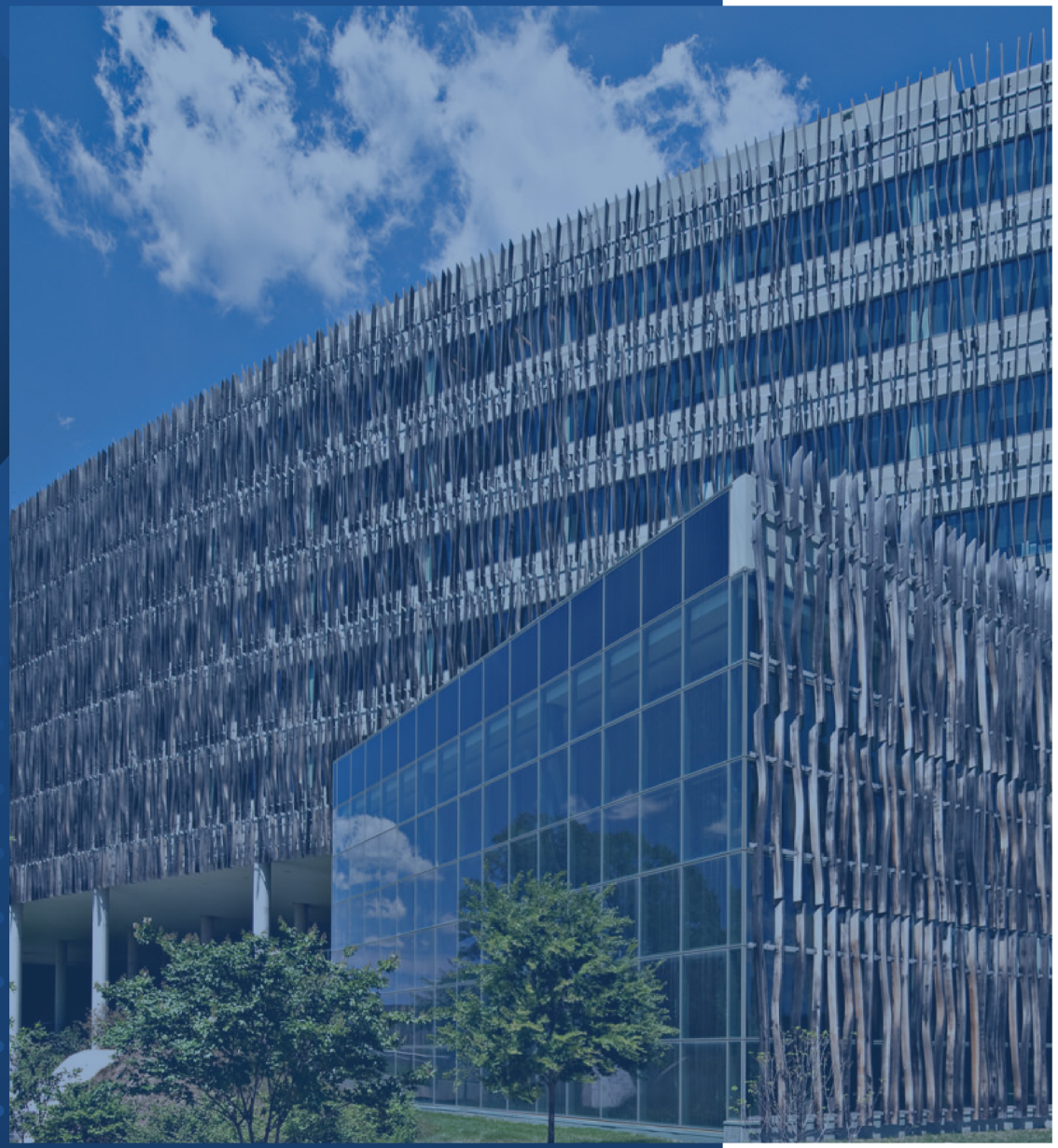

Meet Your Presenters

Amy Brombos, EdD
Data Dissemination Specialist
amy.a.brombos@census.gov

Dr. Amy Brombos serves as the Data Dissemination Specialist for the state of New York. Her experience in federal service began in 2018 as the Decennial Census Partnership Coordinator for NYS.

Prior to federal service Dr. Brombos spent over 20 years working in academia as a Teacher, District Data Specialist, Academic Researcher, and University Professor, teaching courses in Data Use for Continuous School Improvement, Accreditation, and Strategic Planning.

Dr. Brombos is a graduate of the University of Hawai'i at Manoa and D'Youville University with Master's Degrees in Interdisciplinary Biomedical Sciences and Secondary Science Education, and a Doctorate in Leadership in Higher Education .

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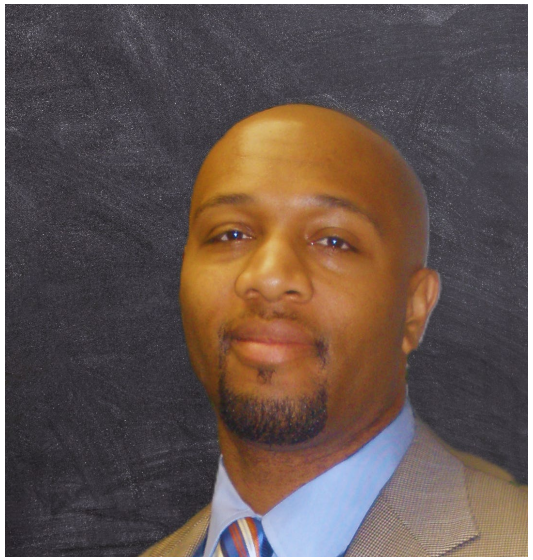


Meredeth Maxwell
Data Dissemination Specialist
meredeth.d.maxwell@census.gov

Meredeth Maxwell serves as the U.S. Census Bureau's Data Dissemination Specialist for the state(s) of California and Nevada. In this role, Meredeth collaborates with businesses, non-profits, governments, media, academia and other community organizations to provide presentations and trainings on the Census Bureau's most relevant datasets and data access tools. His experience includes two Decennial Census's for the Los Angeles Region as a Partnership Specialist in 2010 and a Partnership Coordinator for the 2020 Decennial.

Meredeth is a graduate of the University of Wyoming with a Master's in Mass Communications.

Objectives

Today we will be assisting TWO data users locate the information they need for a community education initiative and a federal education grant.

Locate and Access American Community Survey (ACS) data from TWO different tools:

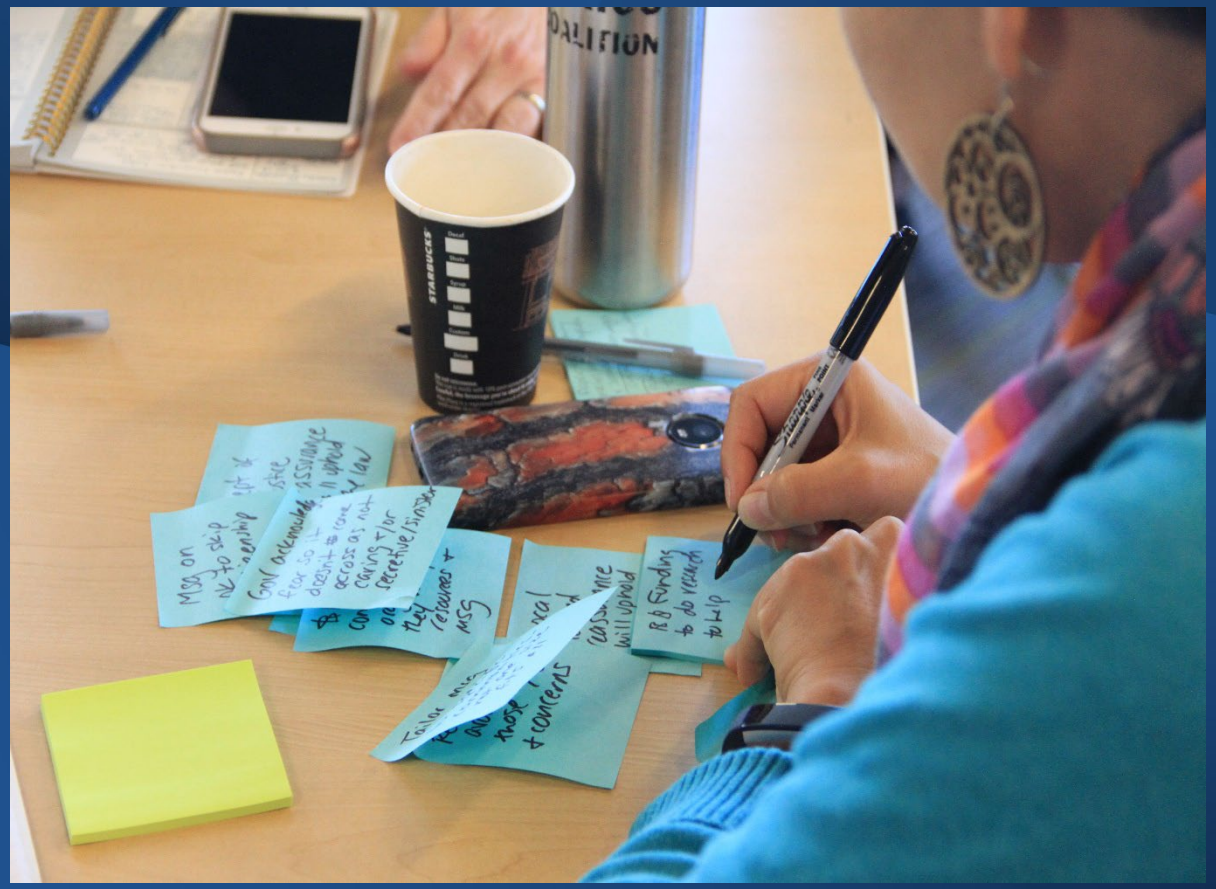
Data.censu.gov

Small Area Income and Poverty Estimates (SAIPE)

Search for data by geography and topic.

Convert tables to maps

Explore income, poverty and educational statistics organized by race (Black and White).



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American Community Survey and Small Area Income and Poverty Estimates (SAIPE) Program

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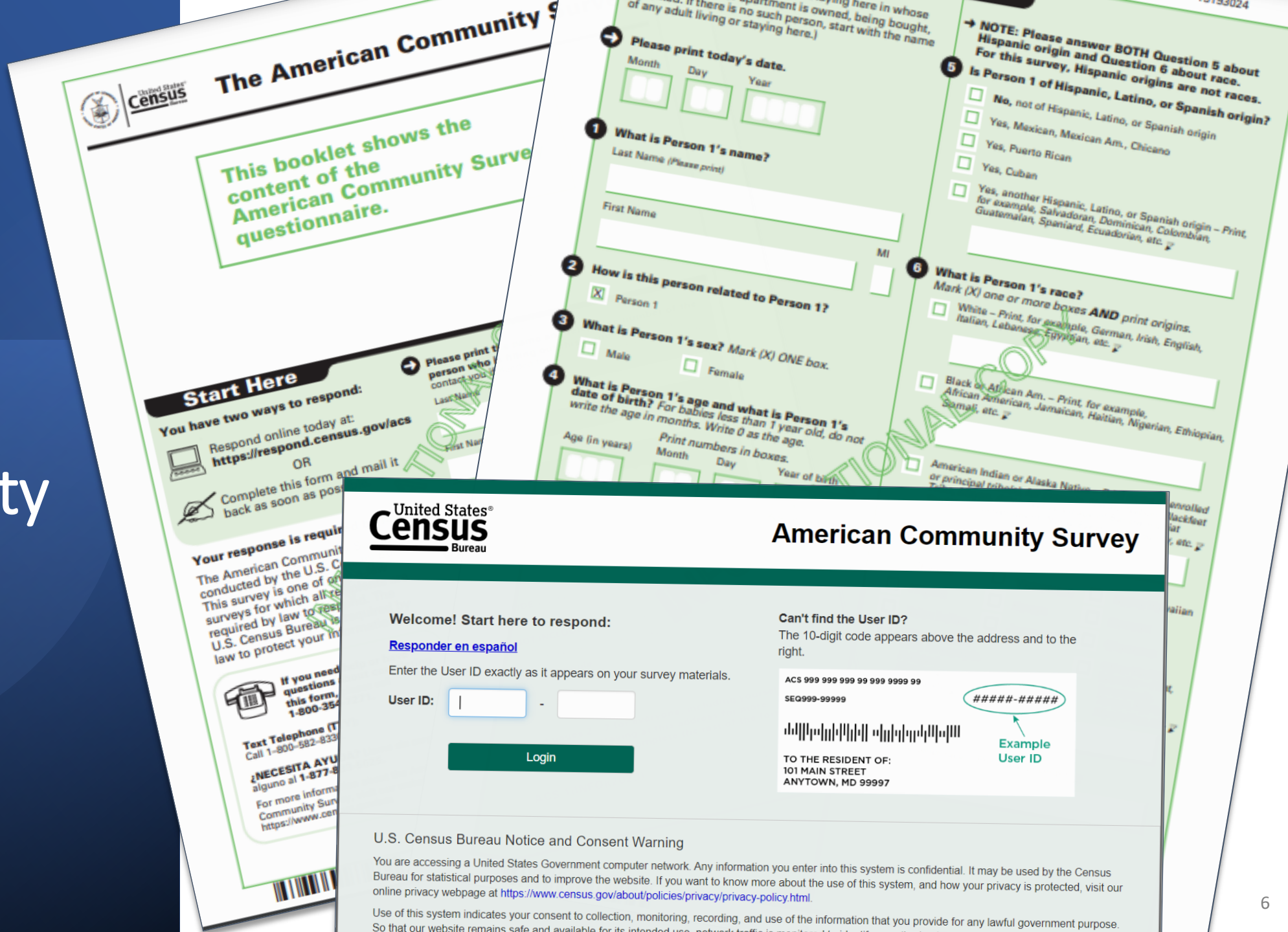
American Community Survey



American Community Survey Data (Data Profile Tables)

SOCIAL CHARACTERISTICS

- DP02
- School Enrollment / Educational Attainment
- Disability
- Language Spoken at Home
- Residential Mobility
- Computer/Internet Use

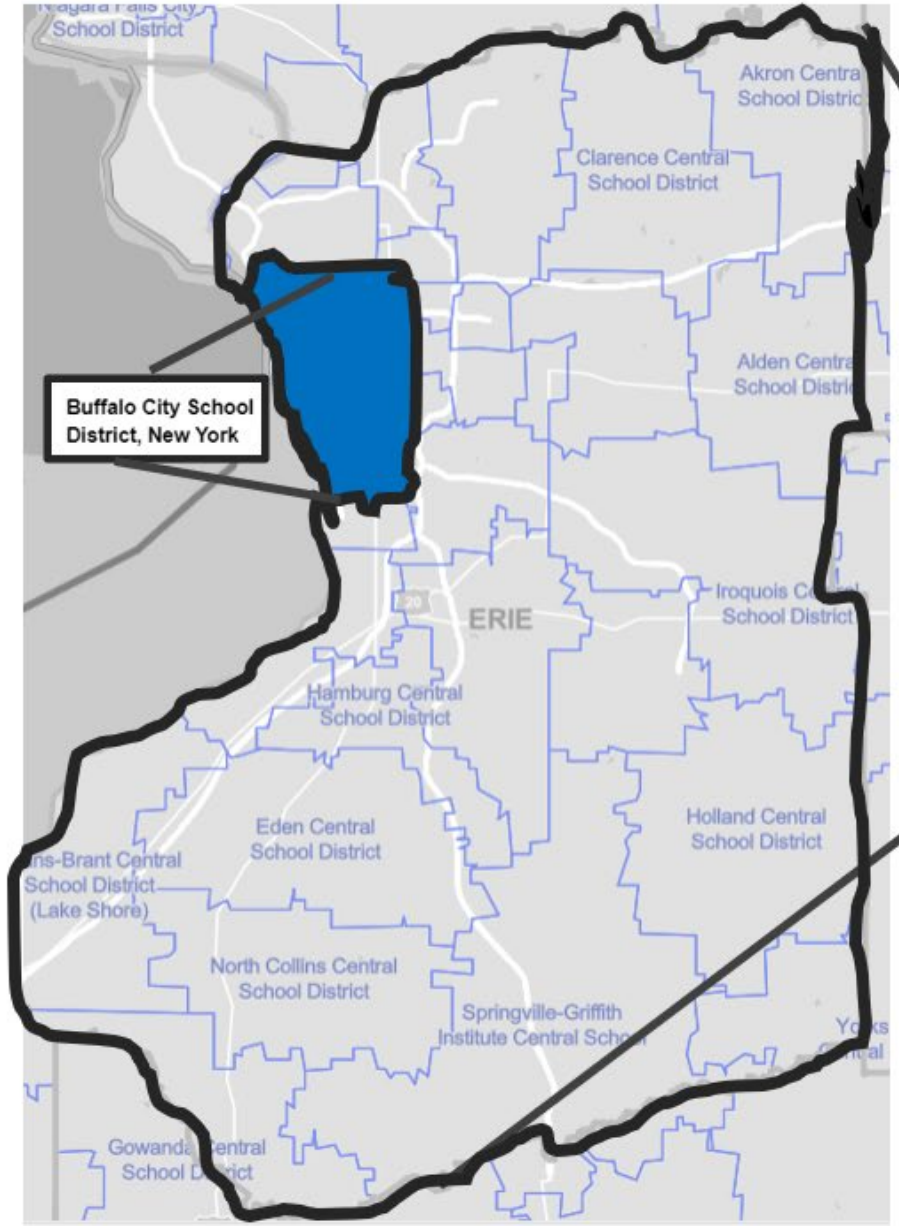
ECONOMIC CHARACTERISTICS

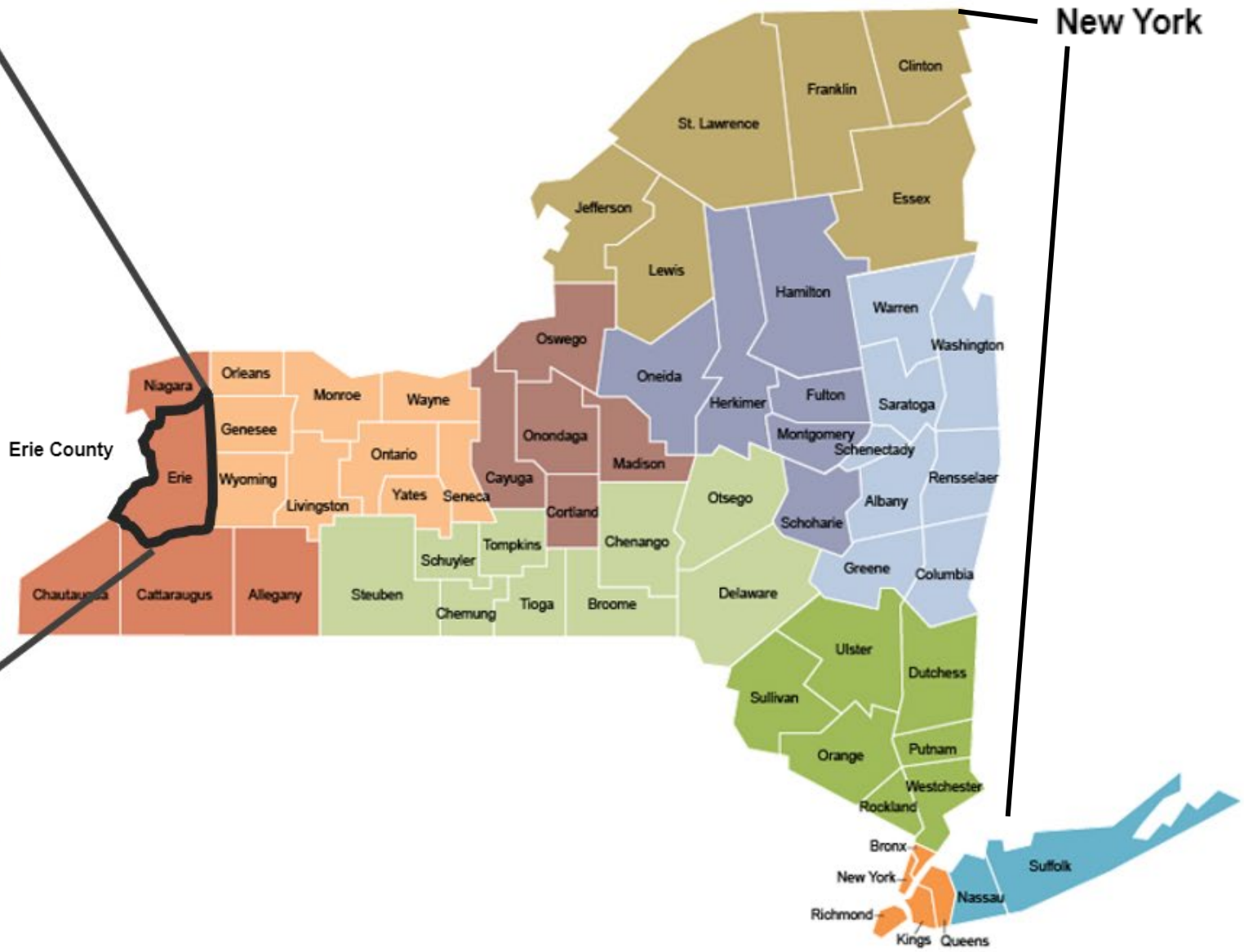
- DP03
- Employment
- Occupation/Industry
- Income
- Poverty
- Health Insurance

DEMOGRAPHIC AND HOUSING ESTIMATES

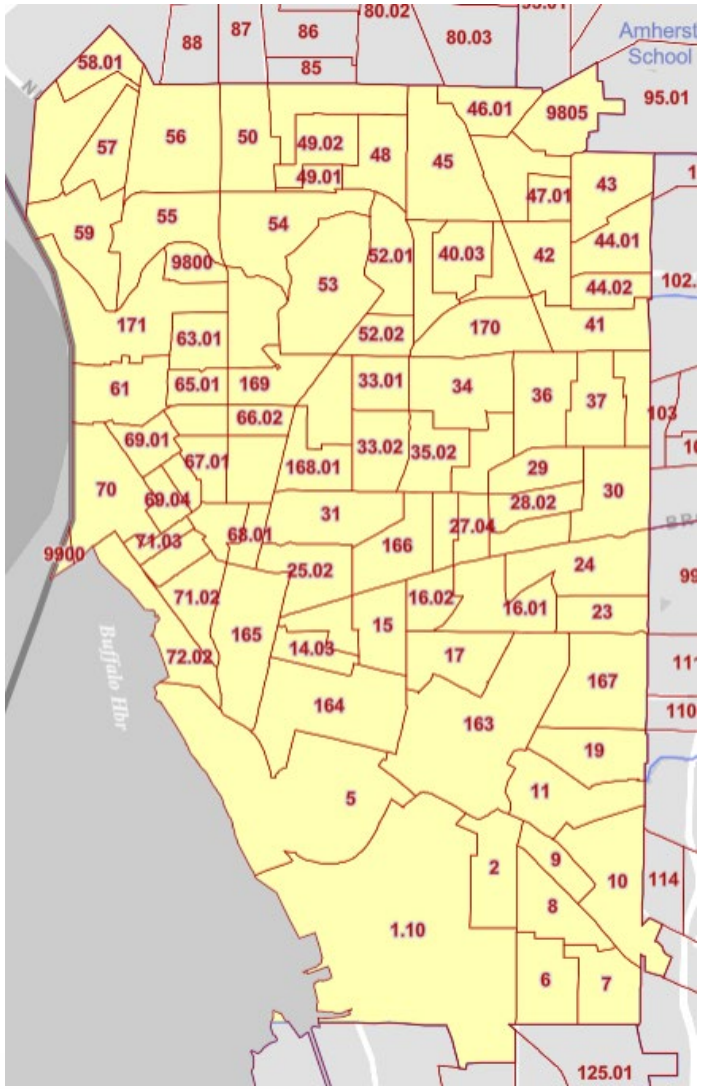
- DP05
- Sex
- Age
- Race
- Hispanic or Latino and Race

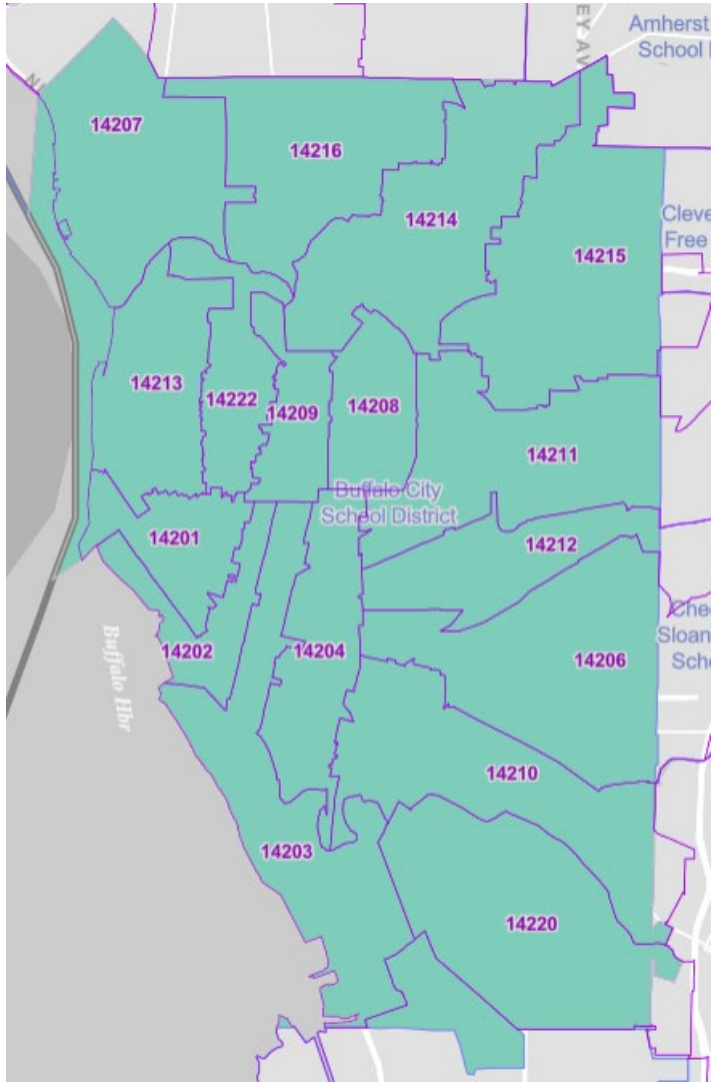
Hierarchy of Census Geography

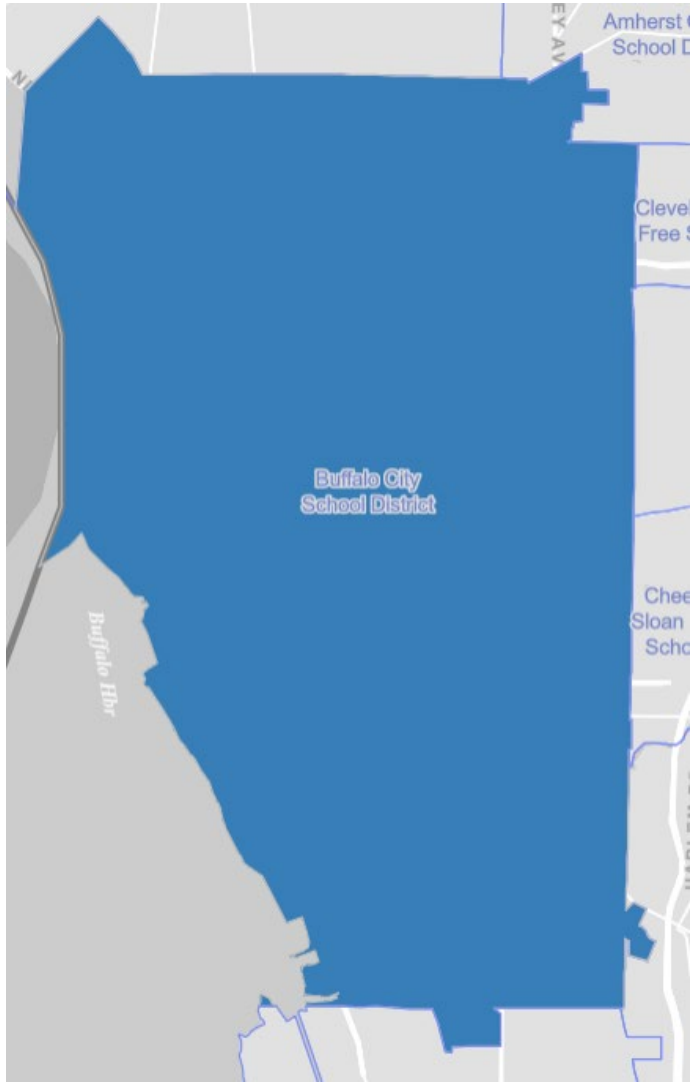




Hierarchy of Census Geography







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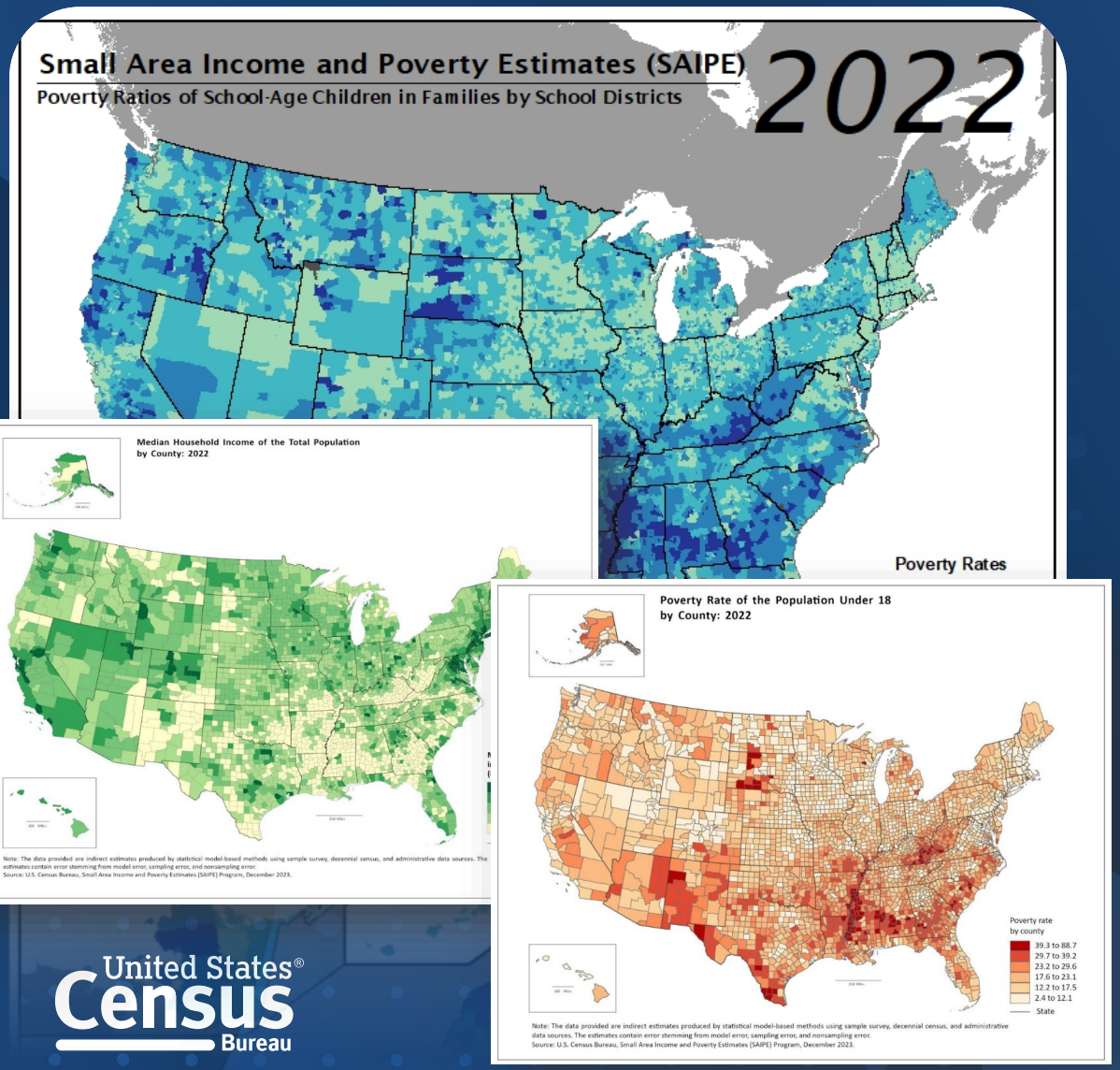
Small Area Income and Poverty Estimates Program



- ✓ Annual Survey
- ✓ Produces single year estimates of income and poverty for all US counties
- ✓ Necessary for the administration of federal programs and allocation of federal funds, including Title I.
- ✓ Provides estimates for over 13,000 school districts
- ✓ Learn more at census.gov/programs-surveys/saipe.html

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Data Tools and Resources

census.gov

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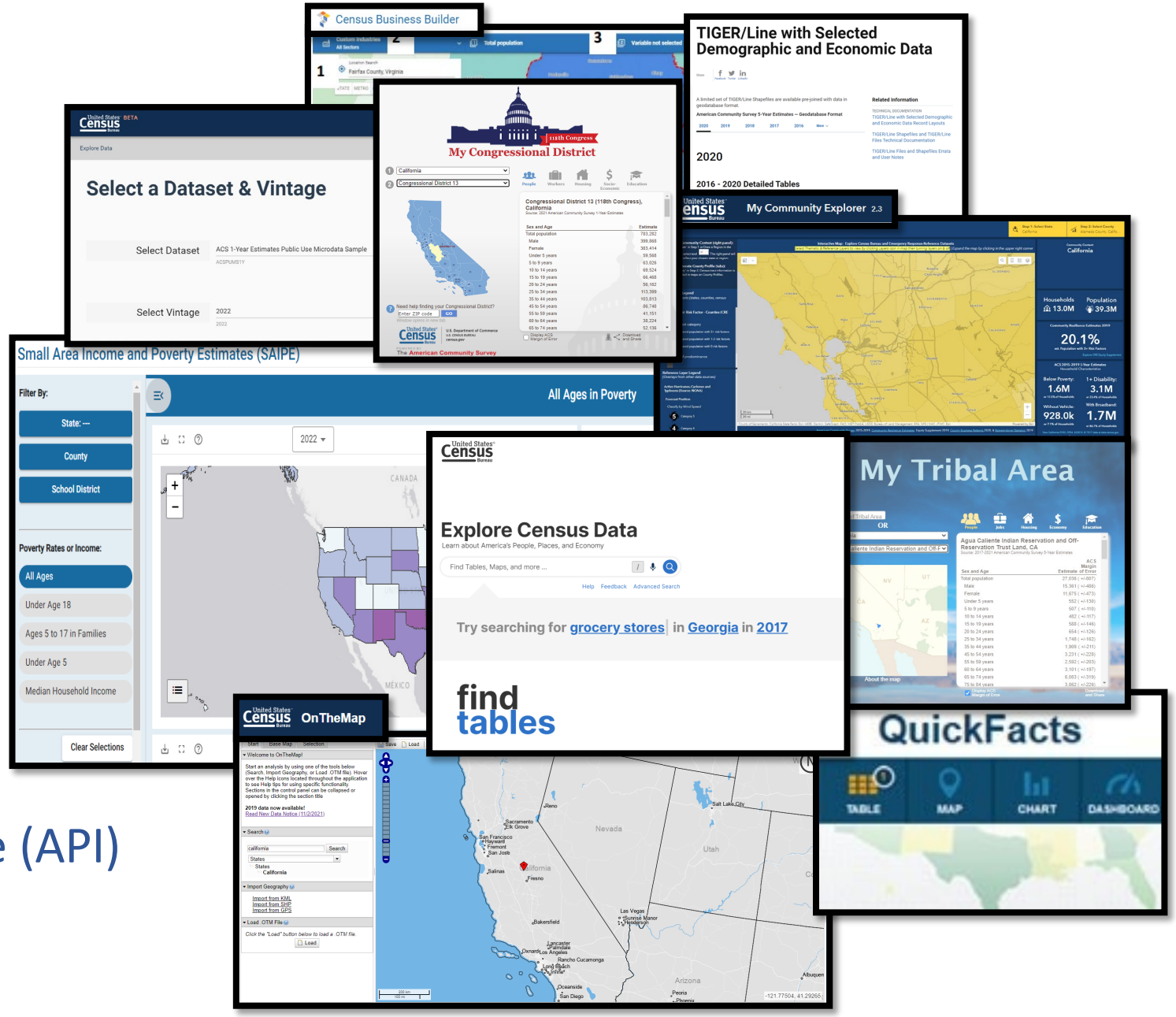
Selected Tools to Access Data

- My Congressional District
- My Tribal Area
- My Community Explorer
- Census Business Builder
- Census Flows Mapper
- SAIPE Interactive Tool
- Microdata Access (MDAT)
- QuickFacts
- Narrative Profiles
- data.census.gov
- Application Programming Interface (API)

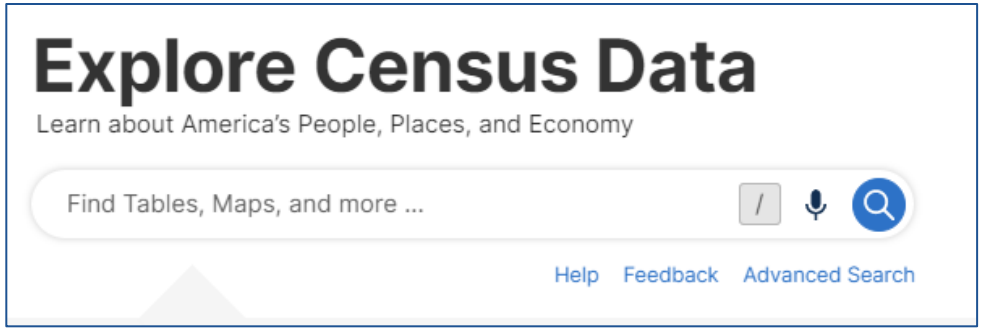


Data Tool – data.census.gov

Two Ways to Search

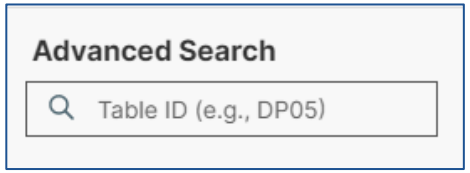
Single Search Bar: Search key words

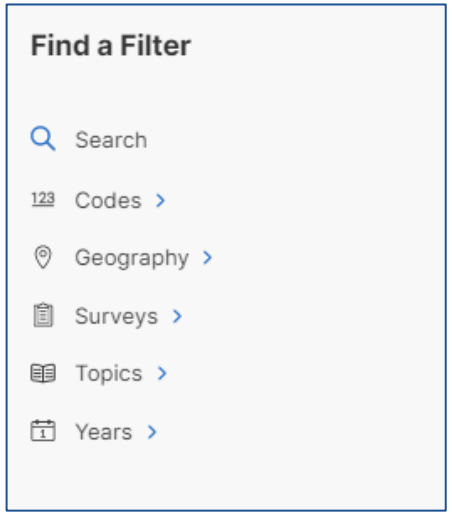
- Topic
- Geography
- Year
- Table IDs
- Codes



Advanced Search Filters:

- A guided approach
- More precise than single search
- Includes all available search options





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Search Scenario: Angela is a consultant advising a career counseling center seeking to enhance opportunities for minority populations. She wants to explore the relationship between **sex** and **educational attainment** for **black and white** individuals.

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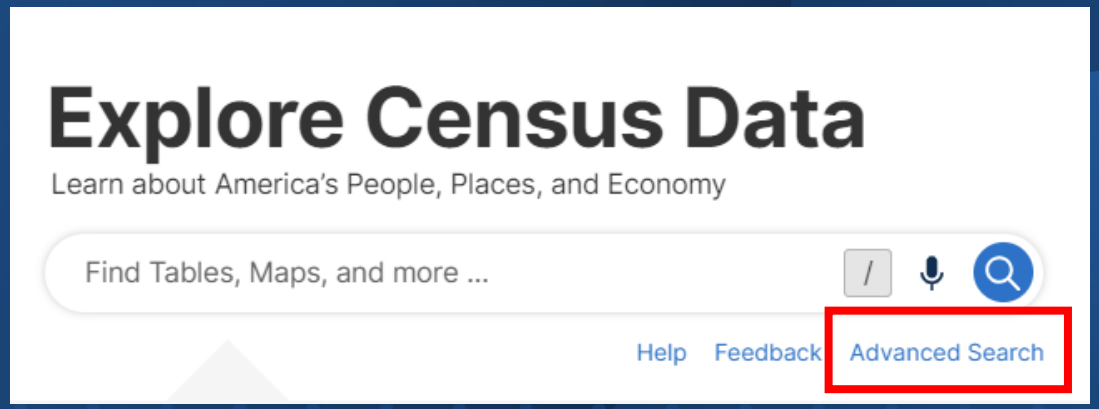
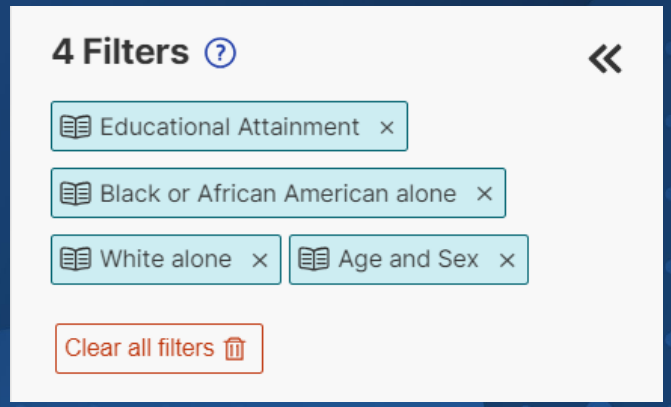
Search Demo:

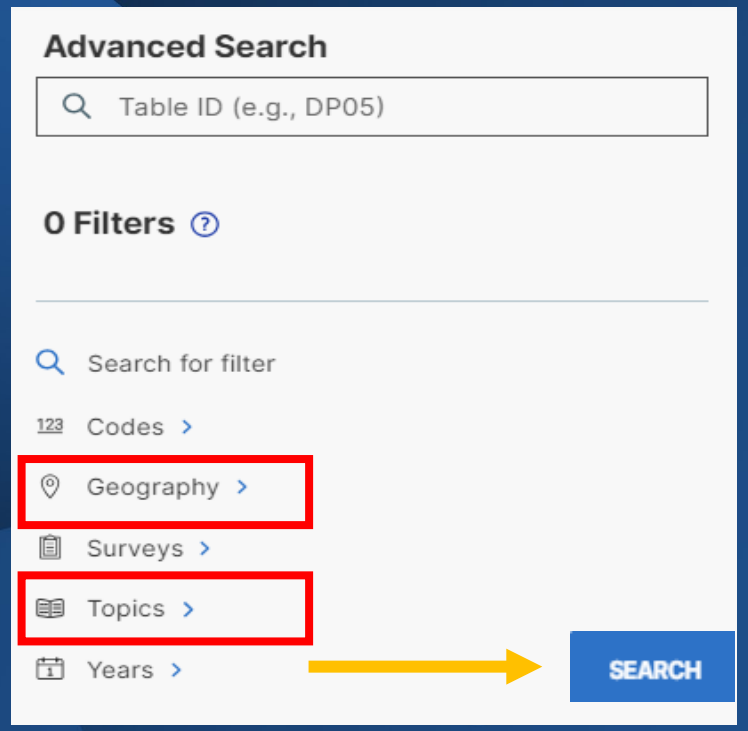
Question 1: How does ACS data reflect educational attainment of black and white populations by sex? Are there notable disparities, and how might these findings inform career counseling strategies?

American Community Survey
TABLE S0201-Selected Population Profile in the United States

TABLE B15002-Sex by Educational attainment for the populations 25 and over







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Search Scenario Cont.:

Angela is also trying to identify the three **states** most at need for an academic intervention program, but she is not sure what data sources to use.

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S1501: Educational **Attainment**

- Total, Total Percent, By Sex Estimate and Percent

B15001: Sex by Age by Educational Attainment

- 18 and Over, By Sex

B15002: Sex by Educational Attainment

- By Sex, By Grade Level

B15002A, B15002B

- By Sex, By Race, By Educational Attainment, Age 25 & Over, Grade Levels Combined

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Advanced Search Scenario:

Frank is a District Data Specialist with the Florida State Department of Education.

He working on the Title I grant application and needs the following data by school district: race, sex, poverty, disability, and languages spoken at home.

His primary concerns are Hillsborough School District, Broward County SD, Dade County SD, Orange County SD, and Palm Beach County SD.

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Race, Sex, Poverty, Disability, and Languages Spoken at Home by School District

S1701: Poverty Status in the Past 12 Months

- By Race, Sex, Age, Educational Attainment, Employment Status, Work Experience

DP02: Select Social Characteristic in the United States

- Disability, Language Spoken at Home, Computer and Internet Use

DP05: ACS Demographic and Housing Estimates

- Sex, Age, Race

B18101: Sex and Age by Disability Status

- Tables Available by Race (A, B, C, D, E)

B07001: Geographic Mobility in the Past Year by Age for Current Residents

SAIPE data tool

Recap

Data.census.gov contains over 2.5 million tables of data.

- ✓ Race
- ✓ Age
- ✓ Sex
- ✓ Academic Achievement
- ✓ Poverty

SAIPE (Small Area Income Poverty Estimate Program)

- ✓ Poverty
- ✓ School District, County, State
- ✓ Title I Federal Funding

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U.S Department of Commerce
U.S. Census Bureau
Washington, DC 20233

www.census.gov

Meredeth Maxwell

Data Dissemination Specialist
Data Dissemination and Training Branch
Customer Liaison & Marketing Services Office

626-807-8011

meredeth.d.maxwell@census.gov

@uscensusbureau

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U.S Department of Commerce
U.S. Census Bureau
Washington, DC 20233

www.census.gov

Amy A. Bromos

Data Dissemination Specialist
Data Dissemination and Training Branch
Customer Liaison & Marketing Services Office

202-573-3978

amy.a.brombos@census.gov

@uscensusbureau

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