

Using Census Tools for Environmental Justice

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Environmental Justice

Concepts

- E.O. 12898 on Environmental Justice (EJ)--Feb. 11, 1994.

“...each Federal agency shall make achieving environmental justice part of its mission by identifying and addressing, as appropriate, disproportionately high and adverse human health or environmental effects of its programs, policies, and activities on minority populations and low-income populations....”

Key Points

- ✓ Identify and address
- ✓ Disproportionately high AND adverse...effects
- ✓ On Minority populations and low-income populations



Environmental Justice

Concepts

- EJ Executive Order Covers Who? Minority and Low-Income Populations

Minority - A person who is: (1) Black, (2) Hispanic or Latino, (3) Asian American, (4) American Indian and Alaskan Native, or (5) Native Hawaiian and Other Pacific Islander.

Low-Income - median household income is **at or below** the Health and Human Services poverty guidelines

[January 2022 HHS Poverty Guidelines](#) (Updated annually)

<https://www.federalregister.gov/d/2022-01166>

About the U.S. Census Bureau

- The U.S. Census Bureau is the federal government's largest statistical agency.
- We conduct more than 130 surveys and programs each year, including
 - **The Decennial Census** – the once-a-decade population and housing count of all 50 states and U.S. territories
 - **The American Community Survey** – the ongoing, annual survey of the social, economic, housing, and demographic characteristics of the nation's population
 - **The Economic Census** – the official five-year measure of American businesses
 - **The Census of Governments** – identifies the scope and nature of the nation's state and local government sector
- Our mission is to serve as the nation's leading provider of quality data about its people and economy.



Using Census Tools for Environmental Justice

Outline

- **American Community Survey (ACS) basics**
- ACS and Environmental Justice
- Accessing ACS Data Products
- Longitudinal-Employer Household Dynamics (LEHD) Products – Utilizing OnTheMap and OnThemap for Emergency Management during Covid-19
- Utilizing OnTheMap and OnTheMap for Emergency Management during Emergency Management Declarations
- Resources for learning more


The American Community Survey

The Foundation

The American Community Survey is on the leading edge of survey design, continuous improvement, and data quality


- The nation's most current, reliable, and accessible data source for local statistics on critical planning topics such as age, children, veterans, commuting, education, income, and employment
- Surveys **3.5 million** addresses and informs over **\$675 billion** of federal government spending each year
- Covers **40+ topics**, supports over **300** evidence-based Federal government uses, and produces **11 billion** estimates each year
- Three key annual data releases:
 - 1-year Estimates (for large populations, geographies of 65,000+ population)
 - 1-year Supplemental Estimates (for small populations, geographies of 20,000+ population)
 - 5-year Estimates (for very small populations, geographies down to Census Tracts and Block Groups)

13191010


 **United States[®] Census Bureau** **The American Community Survey**

Start Here

You have two ways to respond:


 Respond online today at:
<https://respond.census.gov/acs>

OR

 Complete this form and mail it back as soon as possible.

Your response is required by law.

The American Community Survey is conducted by the U.S. Census Bureau. This survey is one of only a few surveys for which all recipients are required by law to respond. The U.S. Census Bureau is required by law to protect your information.

 **If you need help or have questions about completing this form, please call 1-800-354-7271.**

Text Telephone (TTY):
Call 1-800-582-8330.

¿NECESITA AYUDA? Llame sin cargo alguno al 1-877-833-5625.

For more information about the American Community Survey, visit our website at:
<https://www.census.gov/acs>

Please print the name and telephone number of the person who is filling out this form. We will only contact you if needed for official Census Bureau business.

Last Name

First Name MI

Area Code + Number
 -

How many people are living or staying at this address?


- **INCLUDE** everyone who is living or staying here for more than 2 months.
- **INCLUDE** yourself if you are living here for more than 2 months.
- **INCLUDE** anyone else staying here who does not have another place to stay, even if they are here for 2 months or less.
- **DO NOT INCLUDE** anyone who is living somewhere else for more than 2 months, such as a college student living away or someone in the Armed Forces on deployment.

Number of people

Fill out pages 2 – 7 for everyone, including yourself, who is living or staying at this address for more than 2 months. Then complete the rest of the form.

FORM **ACS-1(2021)**
(5-18-2021)

OMB No. 0607-0810
OMB No. 0607-0936

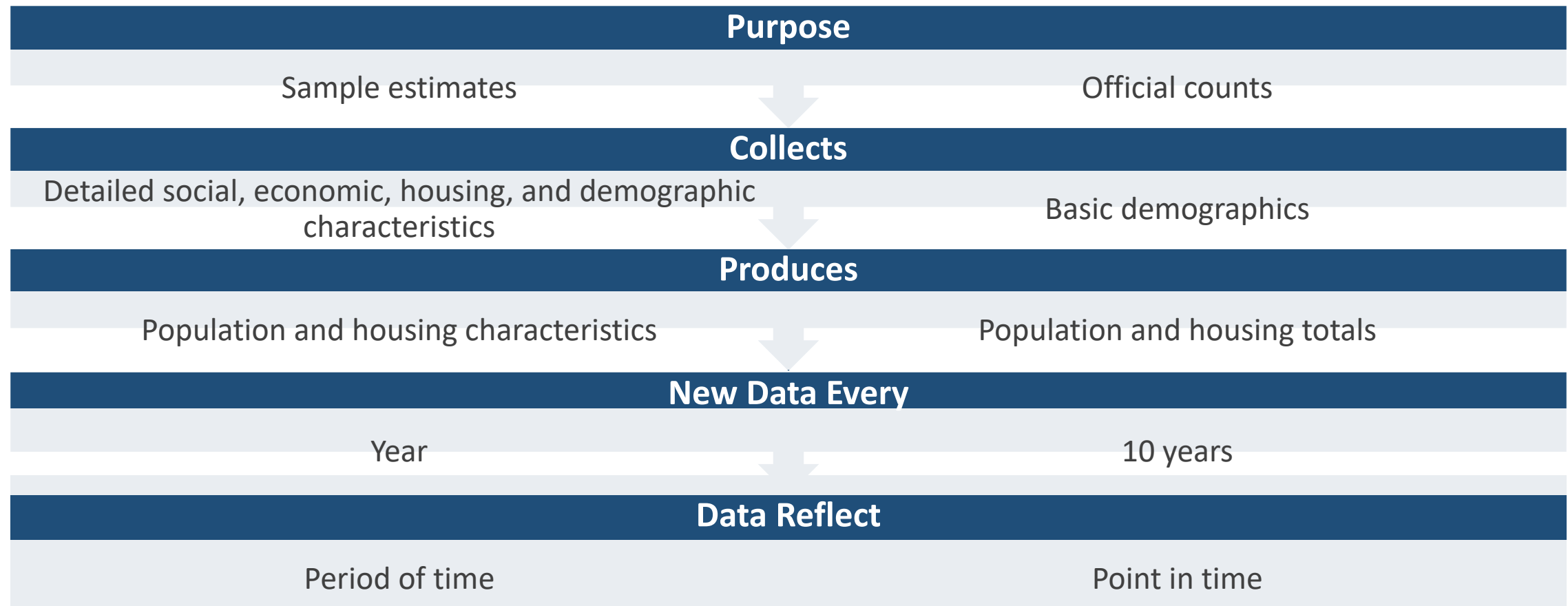


The American Community Survey

How is the American Community Survey Different From a Census?

ACS

Census



The American Community Survey

Content Overview

POPULATION		HOUSING
SOCIAL Ancestry Citizenship Citizen Voting Age Population Disability Educational Attainment Fertility Grandparents Language Marital Status Migration School Enrollment Veterans	DEMOGRAPHIC Age Hispanic Origin Race Relationship Sex	Computer & Internet Use Costs (Mortgage, Rent, Taxes, Insurance) Heating Fuel Home Value Occupancy Plumbing/Kitchen Facilities Structure Tenure (Own/Rent) Utilities Vehicles Year Built/Year Moved In
	ECONOMIC Class of Worker Commuting Employment Status Food Stamps (SNAP) Health Insurance Hours/Week, Weeks/Year Income Industry & Occupation	

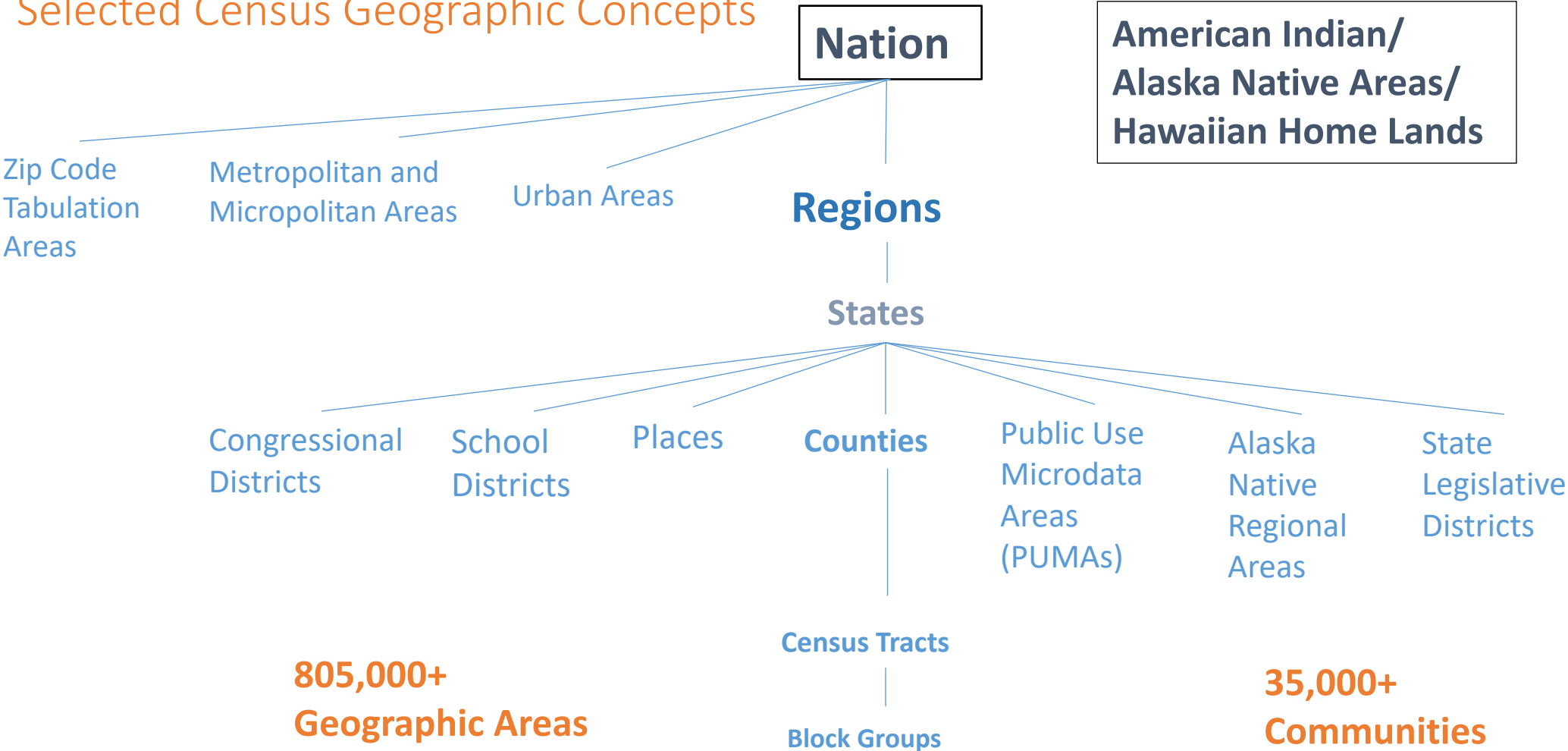
The American Community Survey

Content Overview

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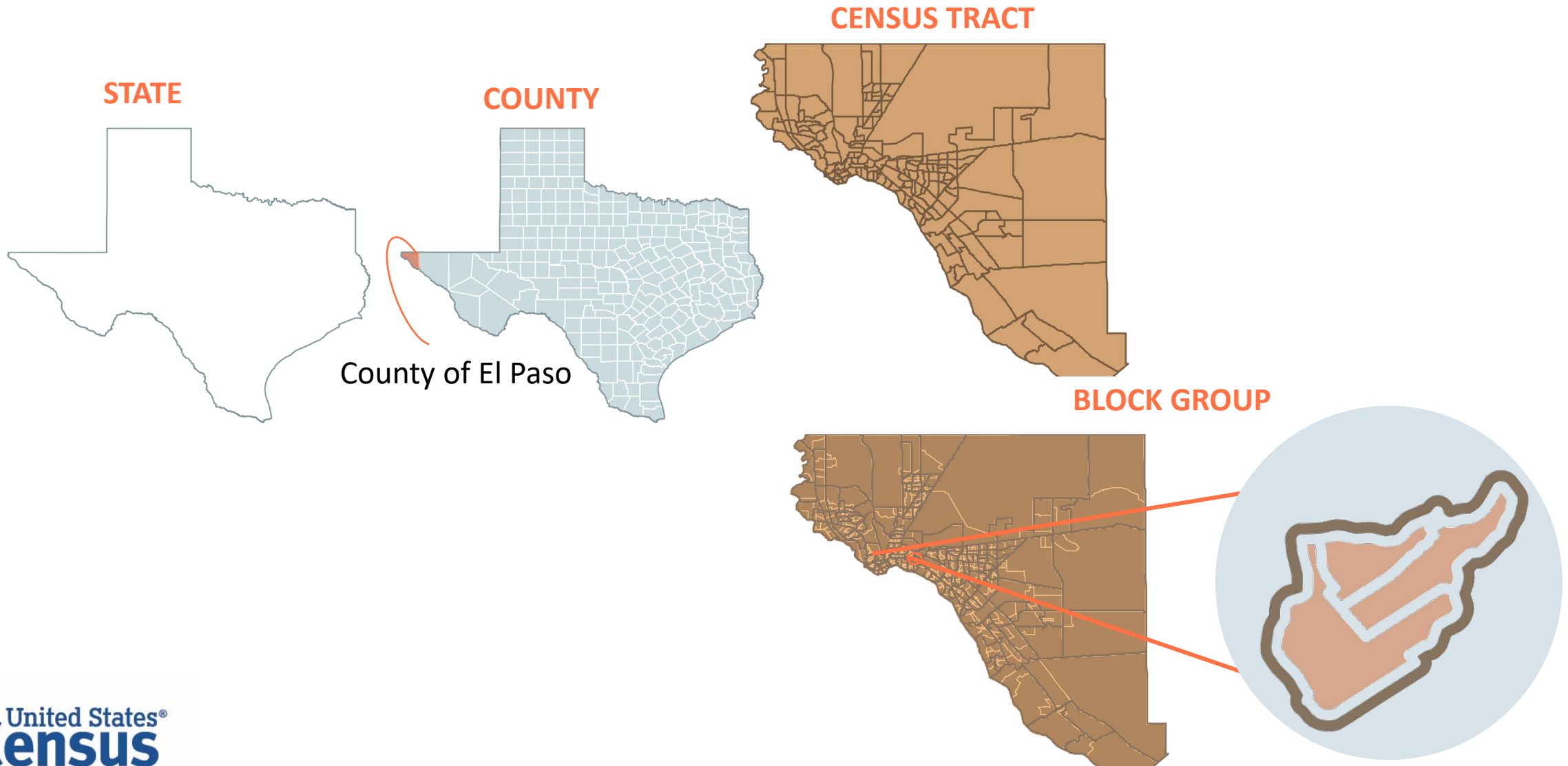
The American Community Survey

Selected Census Geographic Concepts



The American Community Survey

Selected Census Geographic Concepts



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Availability of Data Products

Estimated Population of Geographic Area	1-Year Estimates	1-Year Supplemental Estimates	5-Year Estimates
65,000 or more	X	X	X
20,000 to 64,999		X	X
Less than 20,000			X
Typical Release Date (Occurs in the calendar year after data collection)	September	October	December

census.gov/programs-surveys/acs/news/data-releases.html

Using Census Tools for Environmental Justice

Outline

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- Resources for learning more

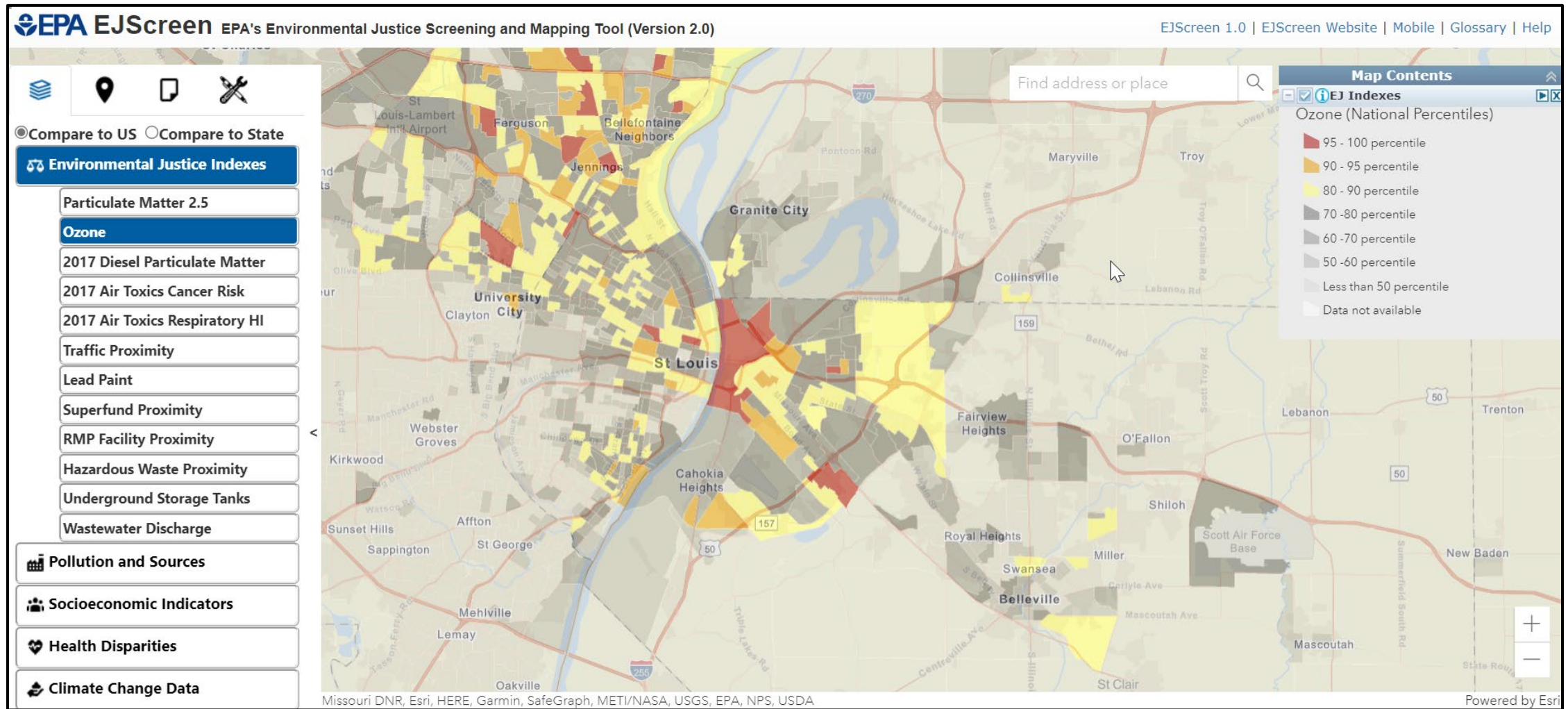
Using Census Tools for Environmental Justice

ACS and Environmental Justice

- The ACS can play an important role in environmental justice goals in federal, state and local projects
 - Sometimes impact areas can be small
- Continuously updated ACS data allows for more up-to-date population data

Using Census Tools for Environmental Justice

EJScreen



The American Community Survey

Community Resilience Estimates

- The purpose of the Community Resilience Estimates (CRE) is to provide an easily understood estimate for how at-risk every neighborhood in the United States is to the impacts of disasters, categorized into three groups:
 - Low-risk
 - Medium-risk
 - High-risk
- These data are more relevant, timely, precise, and granular than any other resilience or social vulnerability metric available.

The American Community Survey

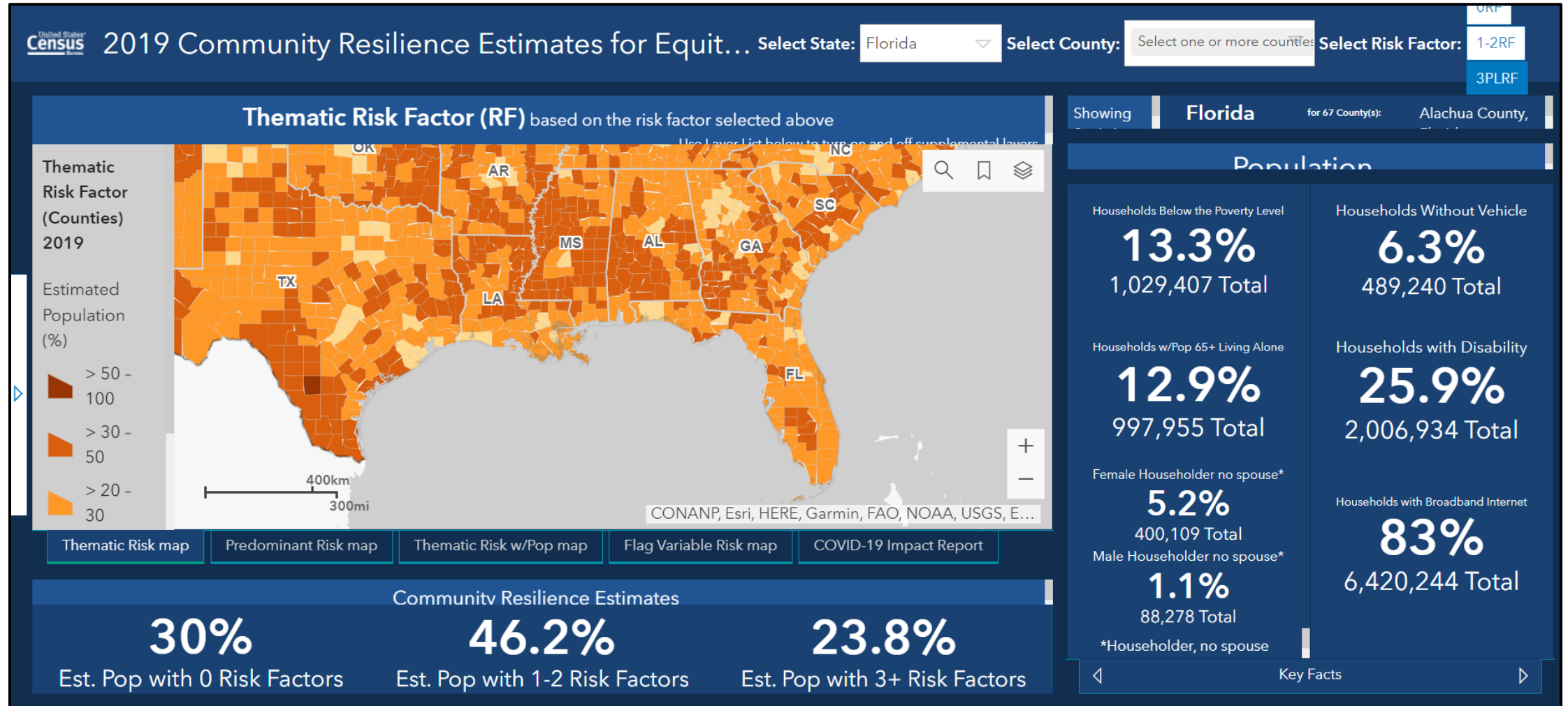
Community Resilience Estimates

Risk Flags:

- Income-to-Poverty Ratio more than 130 percent
- Single or zero caregiver household
- Unit-level crowding with ≥ 0.75 persons per room
- Communication Barrier defined as:
 - No one in the household has received a high school diploma
 - No one in the household speaks English “very well”
- Aged 65 years or older
- No one in the household is employed full-time, year-round
- Disability
- No health insurance coverage
- No vehicle access
- Households without broadband internet access

The American Community Survey

Community Resilience Estimates



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Community ACS Data in Action: Evacuteer



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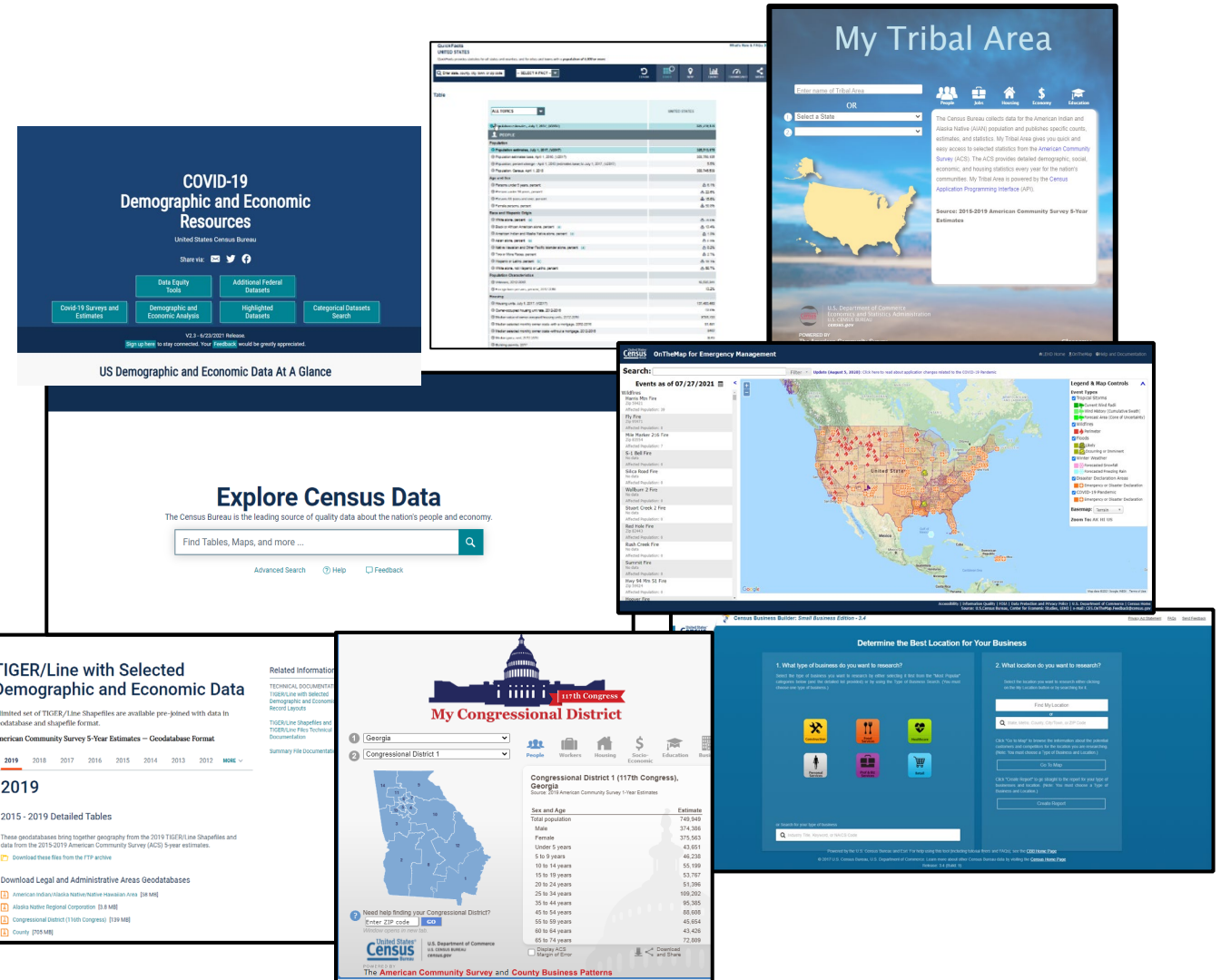
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The American Community Survey

Selected Ways to Access Data

- QuickFacts
- My Congressional District
- My Tribal Area
- OnTheMap for Emergency Management
- Census Business Builder
- data.census.gov
- My Community Explorer
- Census COVID-19 Data Hub
- TIGER/Line Shapefiles w/ Selected Demographic Data
- Application Programming Interface (API)



The American Community Survey

Selected Ways to Access Data: data.census.gov

- Live demonstration of accessing ACS data on data.census.gov

Using Census Tools for Environmental Justice

Outline

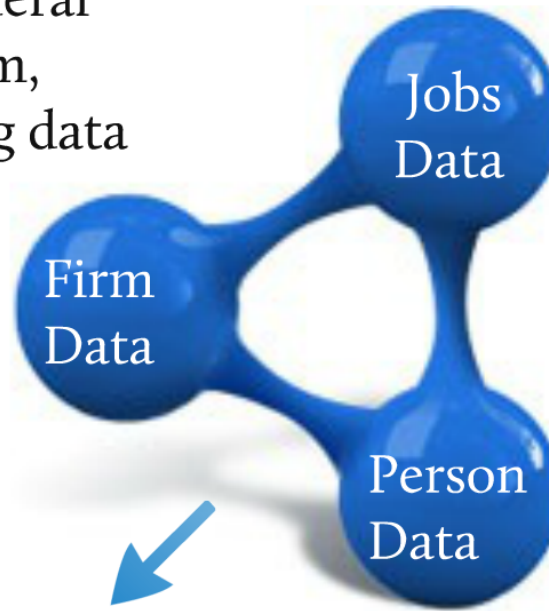
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Longitudinal Employer- Household Dynamics Program

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LEHD Data Infrastructure

An innovative federal statistical program, collecting existing data and ...



The LEHD Program at Census

..linking it together to provide new information sources at low cost

New linked national jobs data for the U.S.

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LEHD Data Products

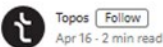
Data Product	Explore the data, answer questions, or get visualizations	Bulk data for use in analysis process/software	Live queries for building web applications
Quarterly Workforce Indicators (QWI)	QWI Explorer	LED Extraction Tool Raw data download	Census Bureau API
LEHD Origin-Destination Employment Statistics (LODES)	OnTheMap OnTheMap for Emergency Management	Raw data download LED Extraction Tool – Coming in 2023	Future development
Job-to-Job (J2J)	Job-to-Job Explorer	Raw data download LED Extraction Tool – Coming in 2022	Future Development
Post-Secondary Employment Outcomes (PSEO)	PSEO Explorer	Raw data download	Census Bureau API
Veteran Employment Outcomes (VEO)	VEO Explorer	Raw data download	Future Development

Using Census Tools for Environmental Justice

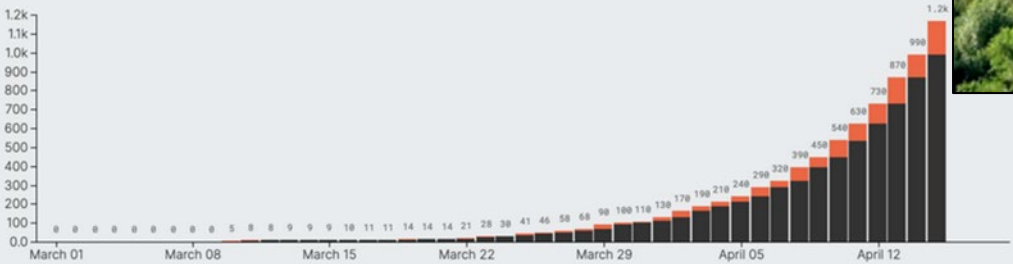
South Dakota and COVID-19

A look at the COVID-19 hotspot in South Dakota

To explore more data on COVID-19, please go to covid19.topos.com



COVID-19 Cases | South Dakota



Timeline of COVID-19 Cases in South Dakota. Orange indicates new cases.



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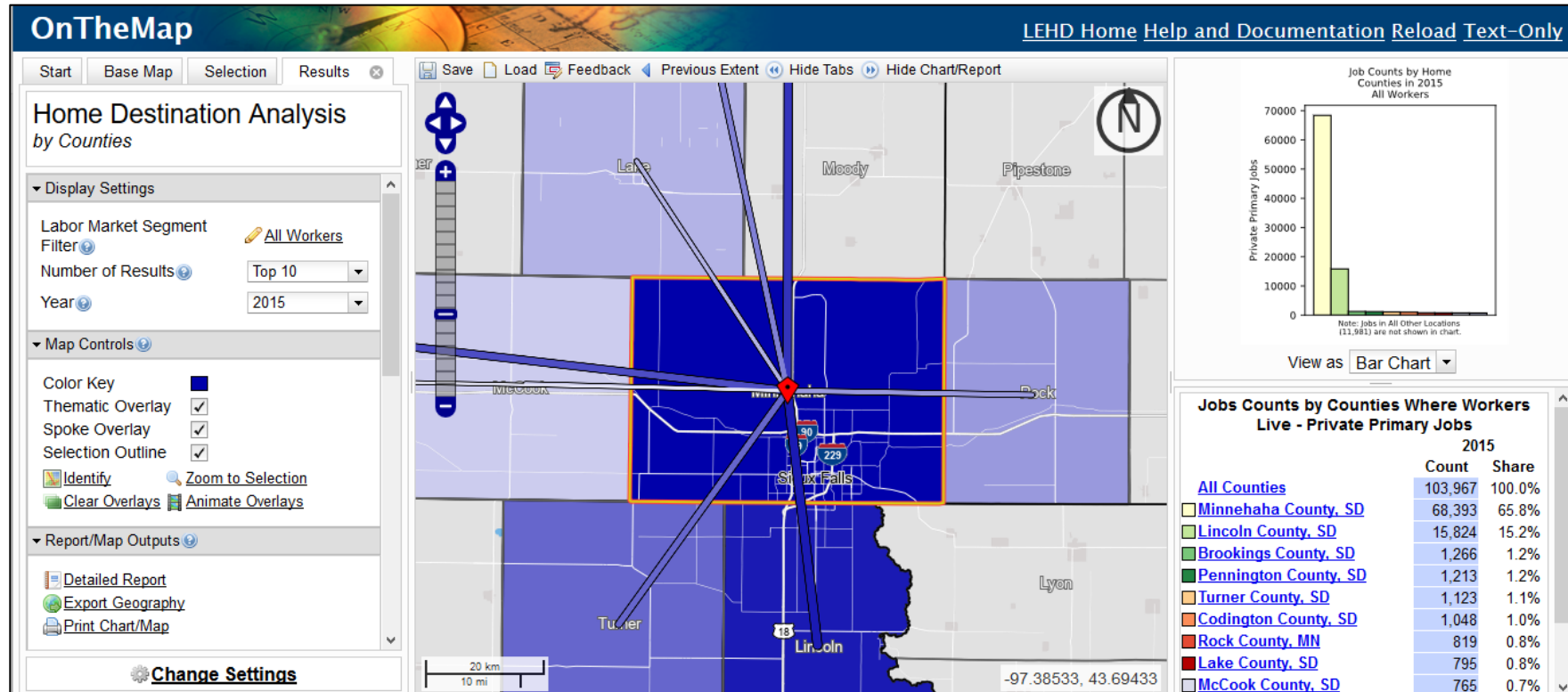
Using Census Tools for Environmental Justice

OnTheMap

The screenshot displays the OnTheMap web application interface. The top navigation bar includes links for LEHD Home, Help, and Documentation, along with options to Reload or view Text-Only. The main interface is divided into a left sidebar and a central map area. The sidebar contains a 'Welcome to OnTheMap!' message, a search bar with the text 'minnehaha', and a list of search results categorized by States, Counties, Places, ZIP Codes, Metropolitan Areas, Workforce Investment Areas, and County Subdivisions. The central map area shows a map of Minnehaha County, SD, with a red pin indicating the selected area. A popup window displays the following information: 'Minnehaha County, SD', 'from Counties', 'Selection Area: 813.861 Sq. Mi', and 'Census Blocks: 5,510'. The popup also includes links for 'Perform Analysis on Selection Area', 'Change Selection Area', and 'Add Advanced Selection'. The bottom of the interface features a footer with links for Privacy Policy, 2010 Census, Data Tools, Information Quality, Product Catalog, Contact Us, and Home.

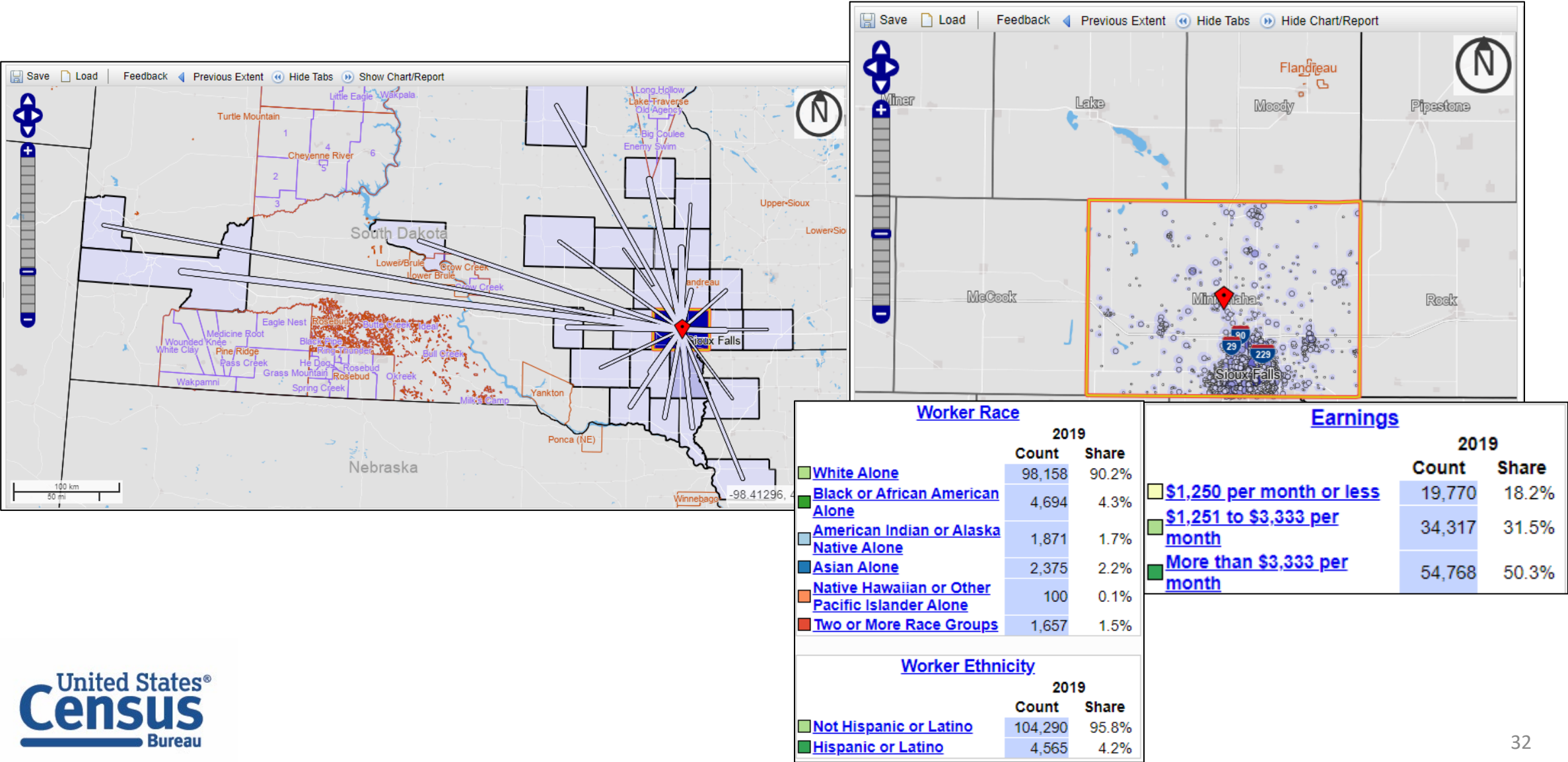
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Destination Analysis



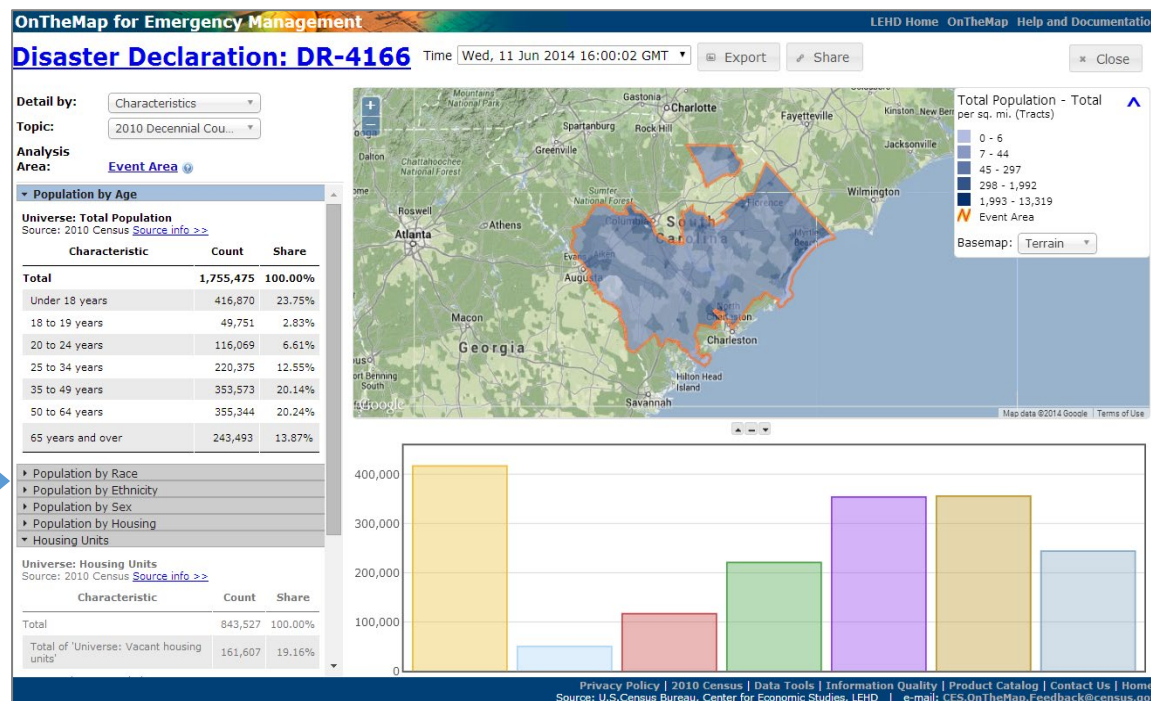
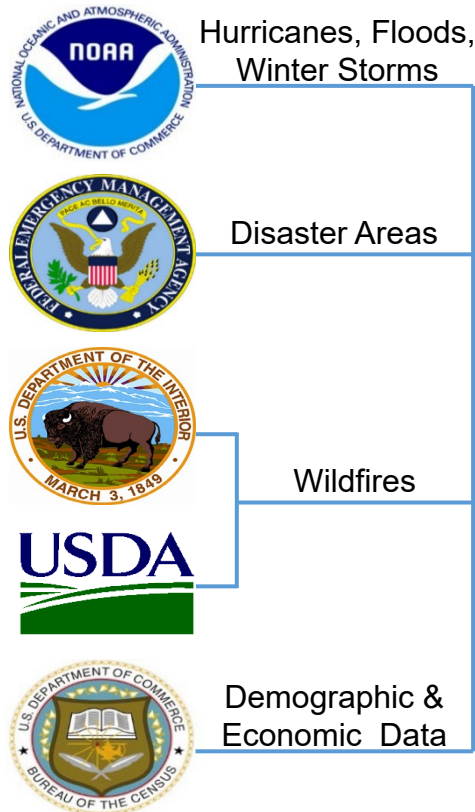
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Vulnerable Population



Using Census Tools for Environmental Justice

OnTheMap for Emergency Management



New Public Data Service for Emergency Preparedness & Response

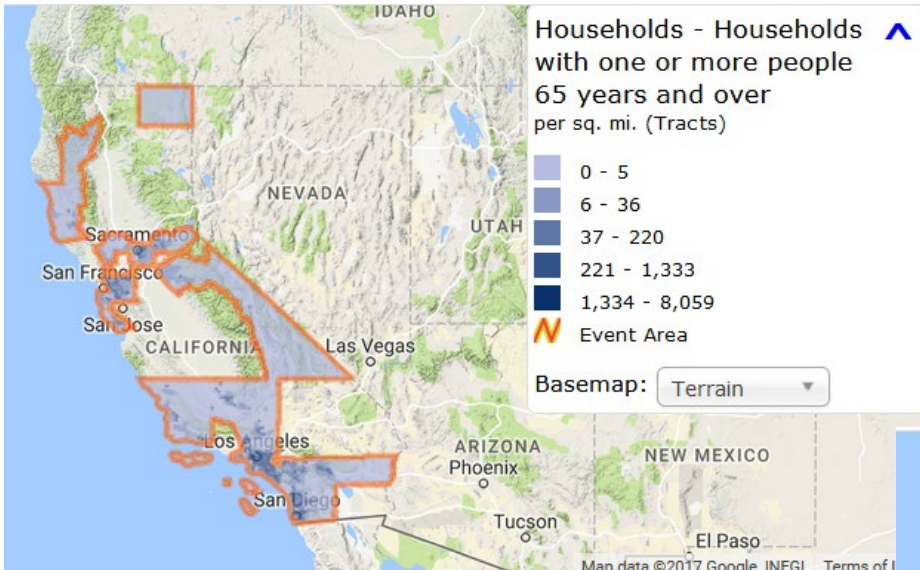
- Comprehensive Reports
- Real-time Data Updates
- Easy-to-use & Interoperable
- Historical Event Archive
- Flexible Analyses & Visualizations



Using Census Tools for Environmental Justice

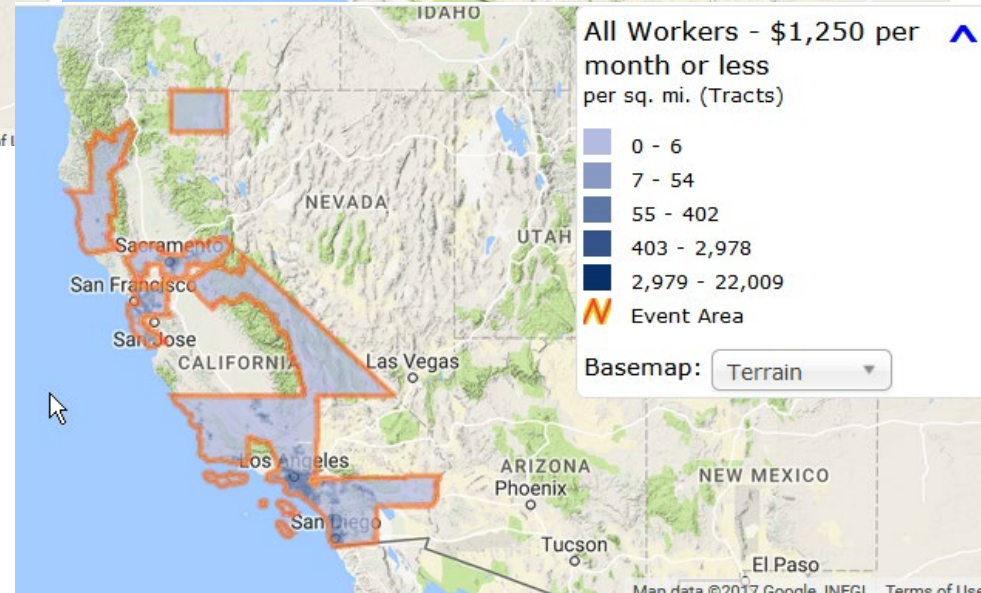
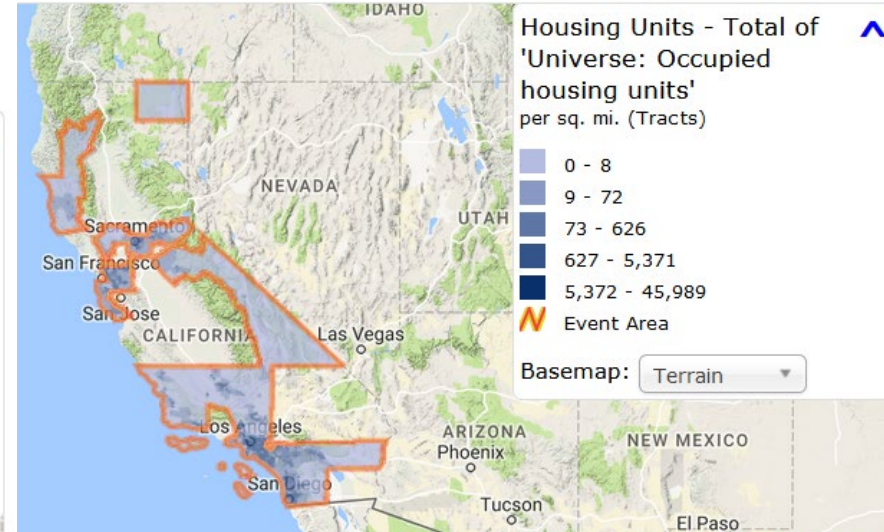
Vulnerabilities

Social ACS



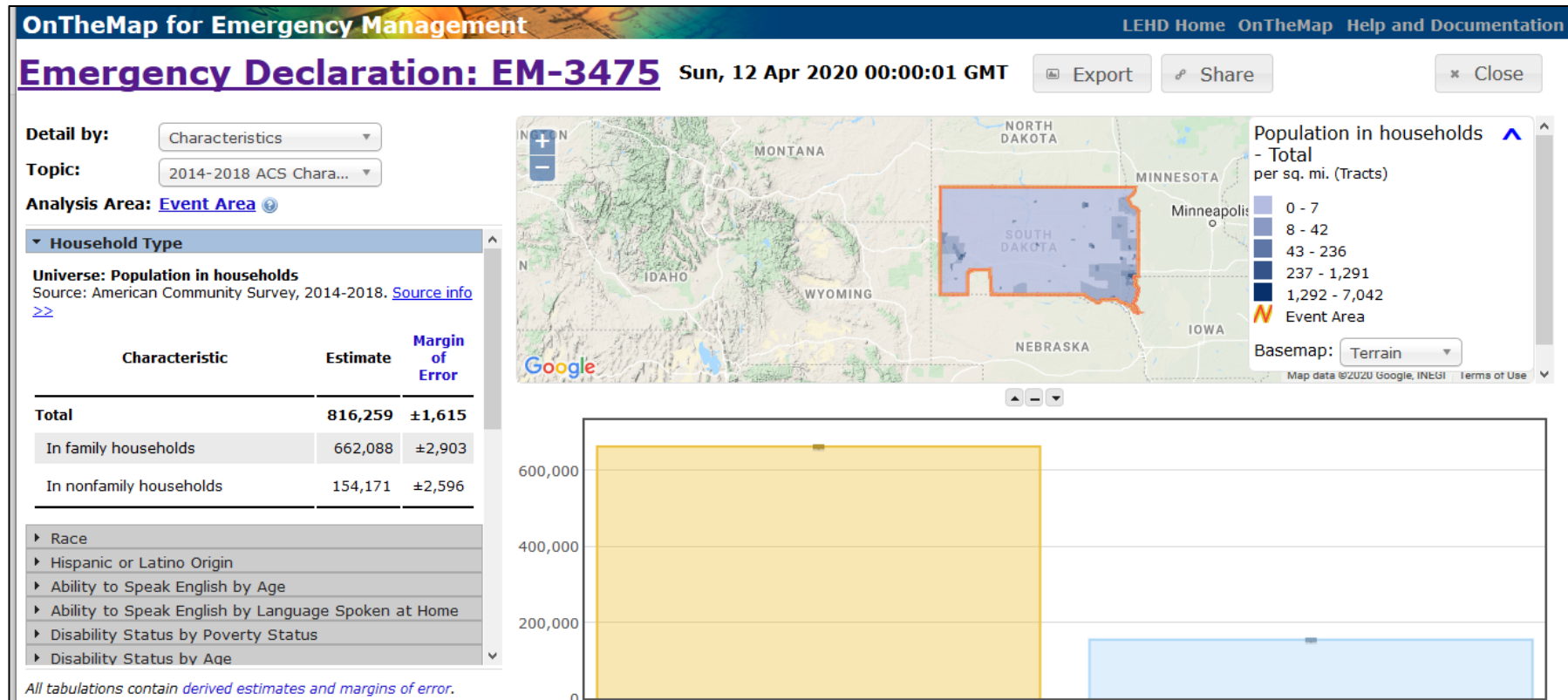
Economical LODES

Physical Decennial



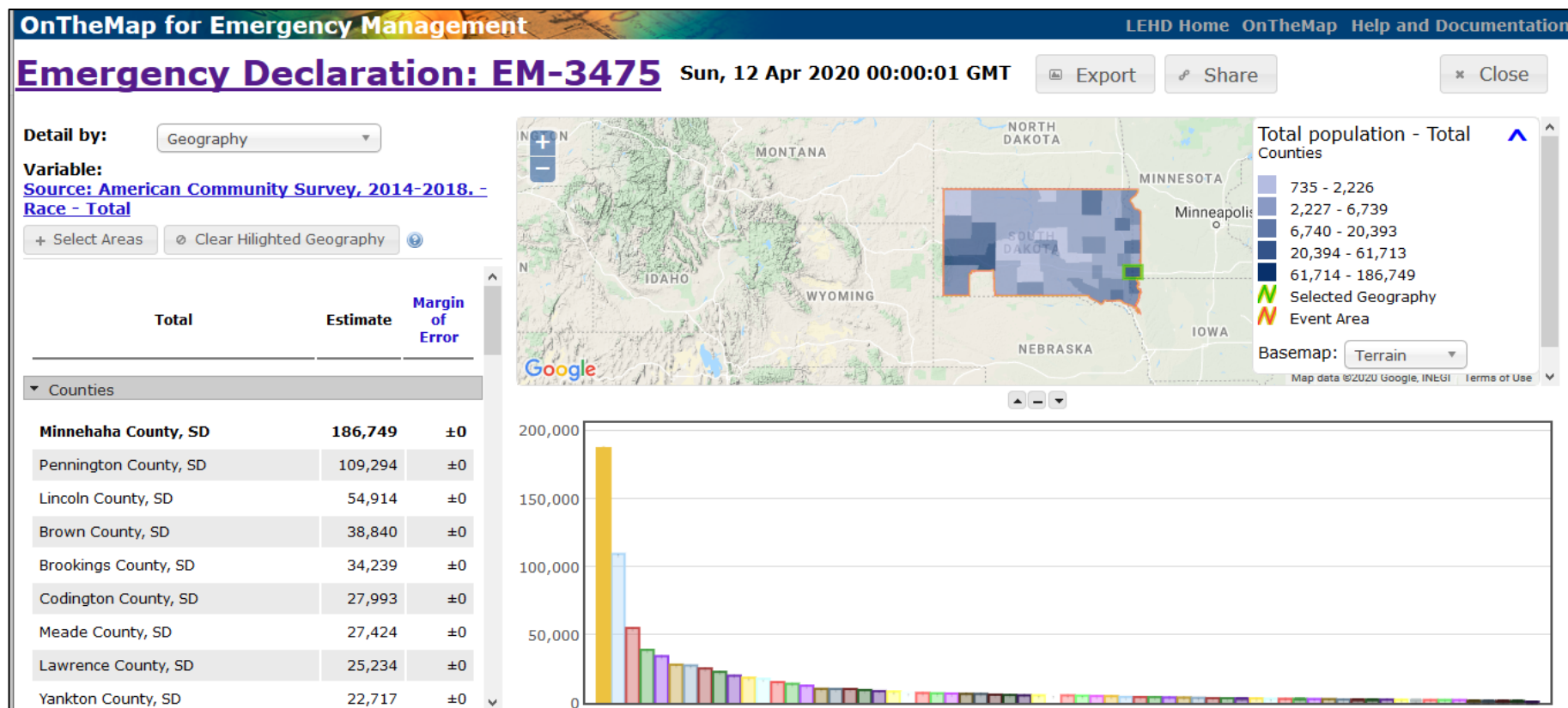
Using Census Tools for Environmental Justice

EM-3475



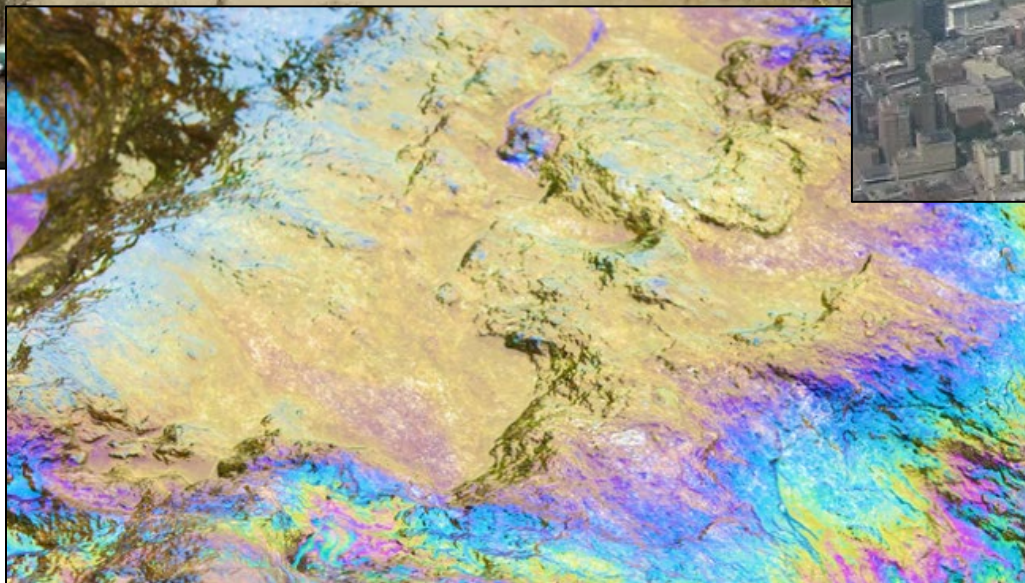
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Minnehaha County



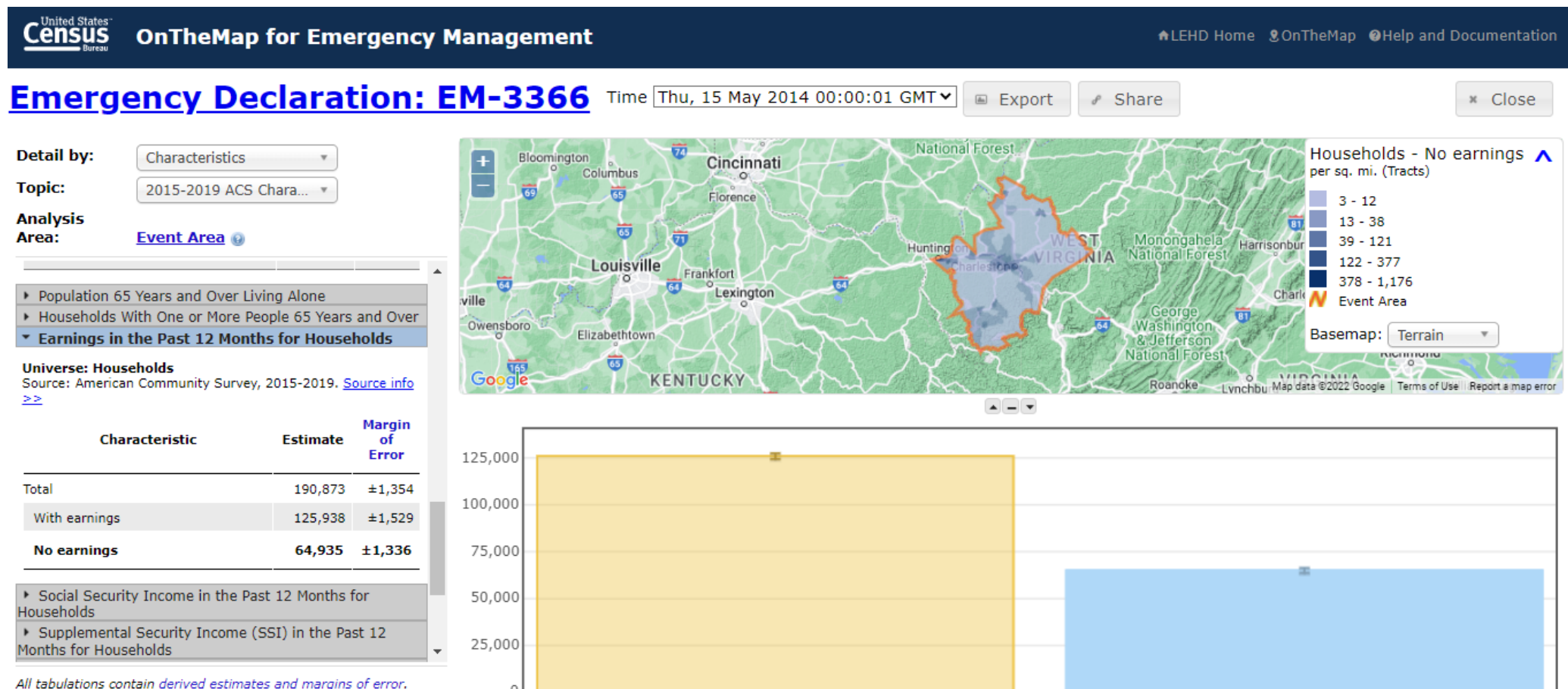
Using Census Tools for Environmental Justice

2014 Elk River Chemical Spill



Using Census Tools for Environmental Justice

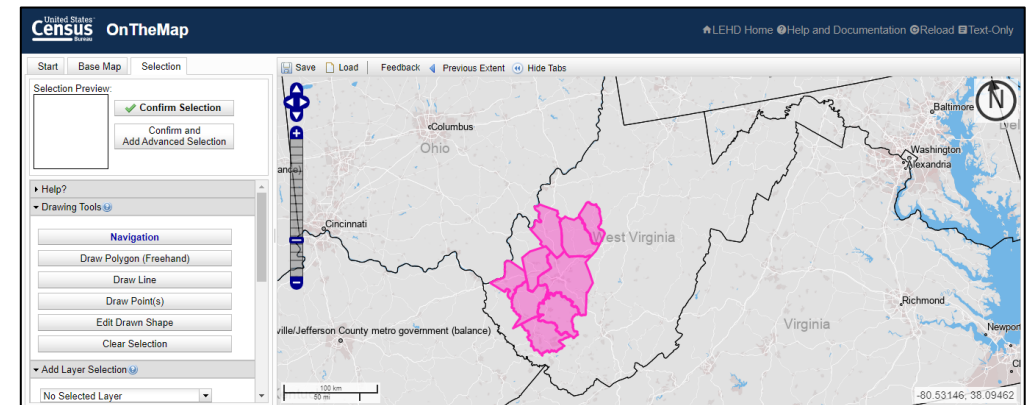
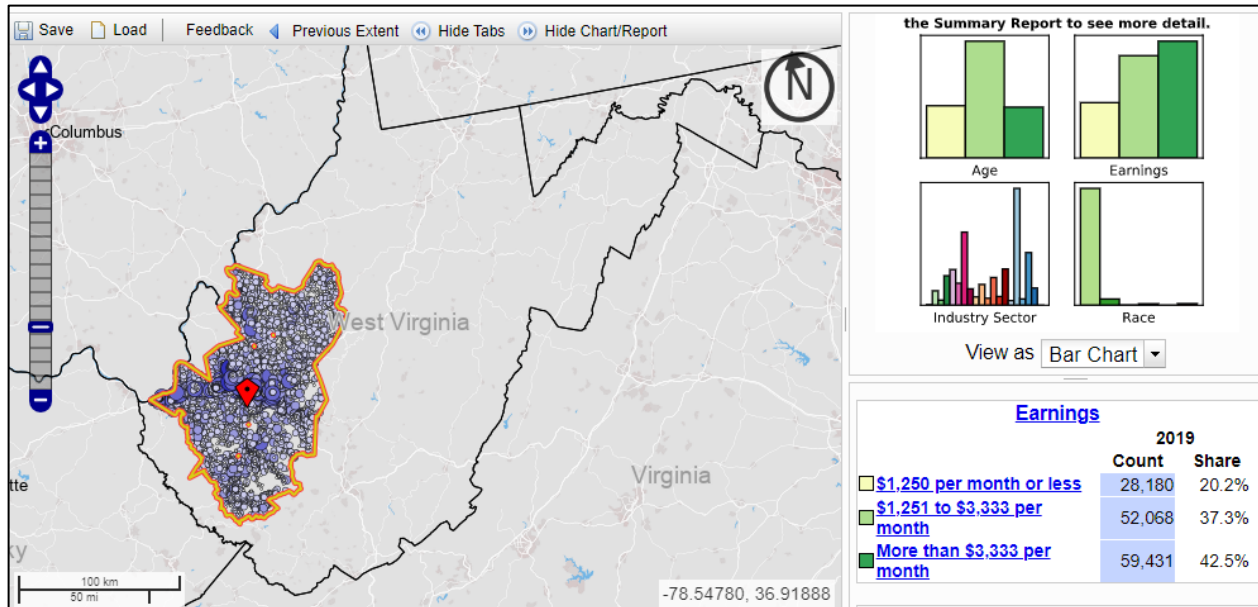
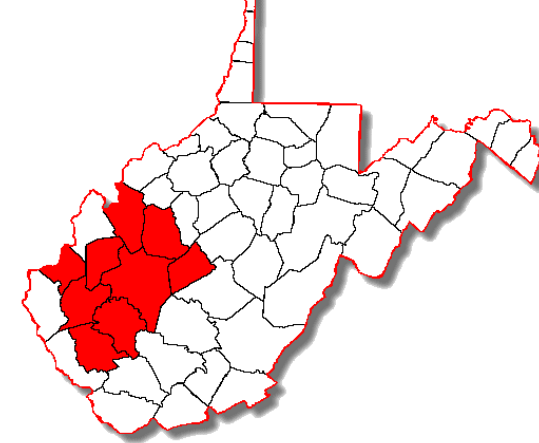
Emergency Declaration EM-3366



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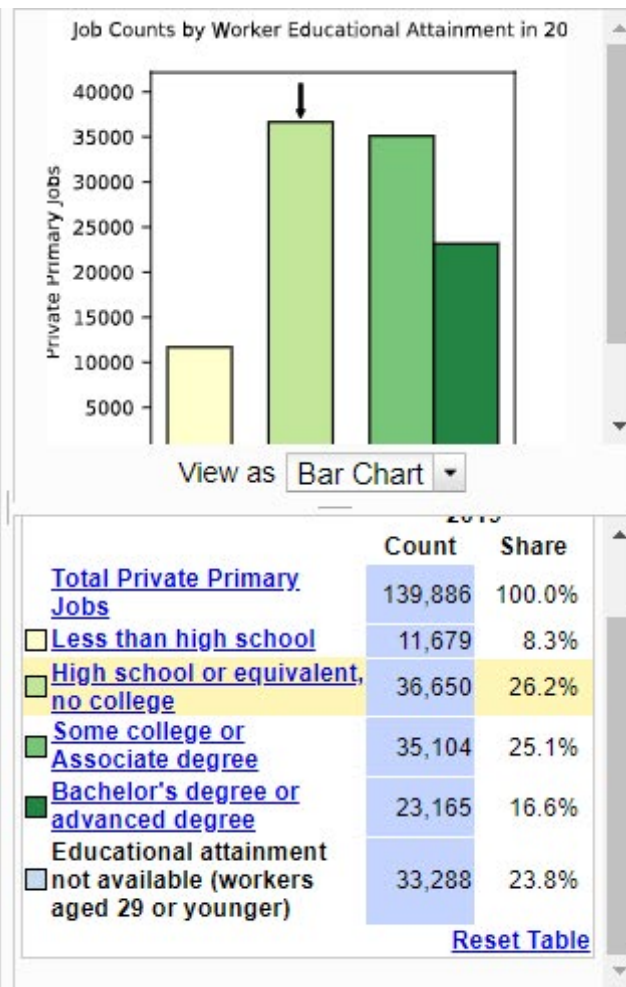
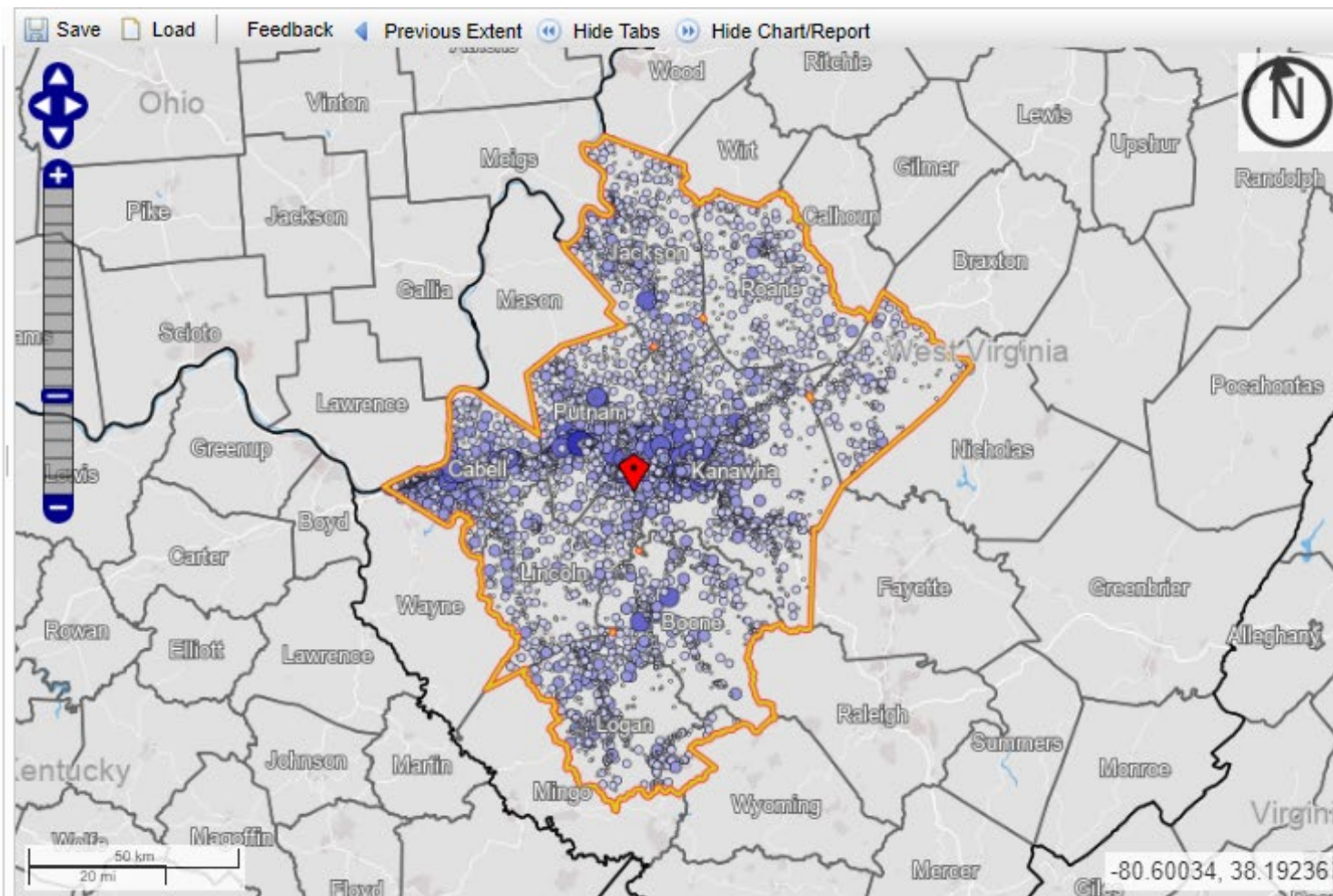
Advanced Selection Tools

2014 Elk River chemical spill affected areas



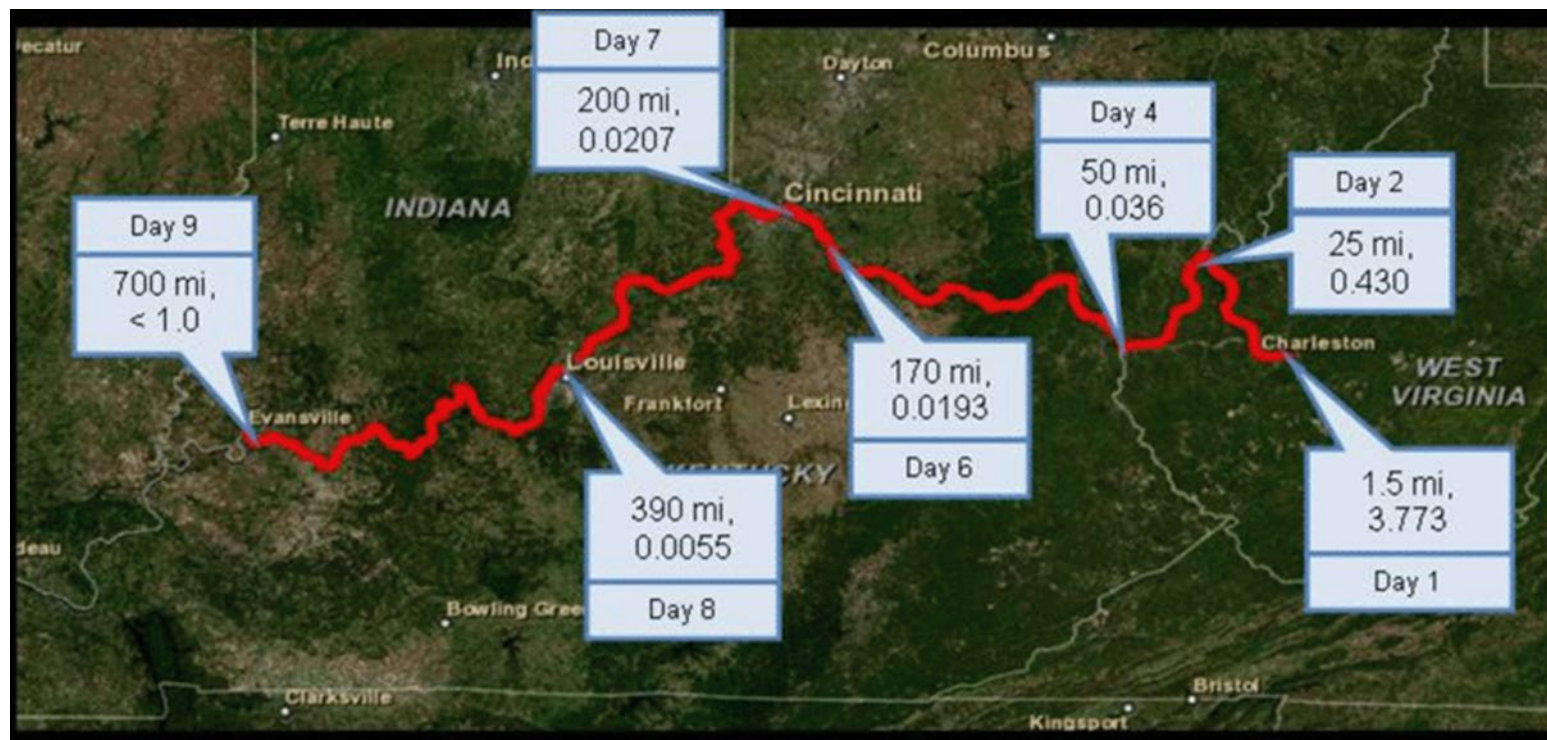
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Low-Skilled Workers



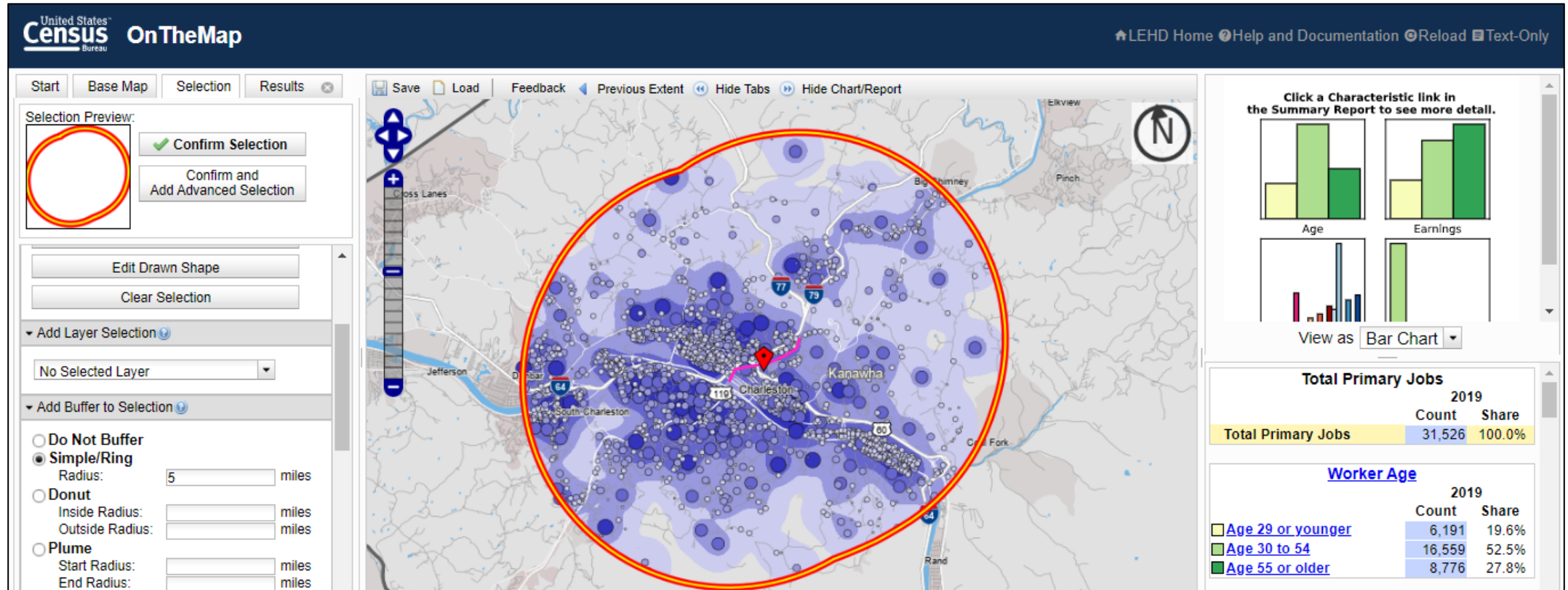
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Selection Drawing Tools



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Simple Ring



Using Census Tools for Environmental Justice

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- **Resources for learning more**


Using Census Tools for Environmental Justice

Helpful Links

- OnTheMap
 - <https://onthemap.ces.census.gov/>
- Help and Documentation
 - https://lehd.ces.census.gov/applications/help/onthemap.html#!what_is_onthemap
- Demos and User Guide
 - https://lehd.ces.census.gov/applications/help/onthemap.html#!more_tutorials
- OnTheMap for Emergency Management
 - <https://onthemap.ces.census.gov/em/>
- Help and Documentation
 - https://lehd.ces.census.gov/applications/help/onthemap_em.html#!what_is_onthemap_em
- Demos and User Guide
 - https://lehd.ces.census.gov/applications/help/onthemap_em.html#!getting_started

The American Community Survey

Main Page



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American Community Survey (ACS)


The [American Community Survey \(ACS\)](#) helps local officials, community leaders, and businesses understand the changes taking place in their communities. It is the premier source for detailed population and housing information about our nation.




Complete the ACS




Find ACS Data



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census.gov/acs

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The American Community Survey

Data Tables and Tools

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Custom Tables

Data Tables

Data Tools

Data via API

Data via FTP

Equal Employment Opportunity (EEO)

Experimental Data

Race/Ethnicity and American Indian & Alaska Native

Summary File

Variance Replicate Estimate Tables

Related Information

Data

data.census.gov Resources

You May Be Interested In

RELATED TOPICS

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Share Your ACS Data Story

Get Started Accessing ACS Data

Check out data.census.gov, the Census Bureau's main data dissemination tool. Here, you can access tables and maps with ACS data. You can also view data.census.gov Resources for step-by-step guidance, video tutorials, FAQs, and more.

GO TO DATA.CENSUS.GOV

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WITHIN DATA

Data Profiles

Geographic Comparison Tables

Narrative Profiles

Ranking Tables

Subject Tables

Supplemental Tables

Table IDs Explained

Related Information

How-to Materials for Using data.census.gov

American Community Survey Data via API

Table IDs Explained

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Share Your ACS Data Story

American Community Survey Data Tables

There are many types of tables and profiles from the American Community Survey (ACS). Learn more about our data products, including a description of each product, geographic areas covered, and tools containing these products, to help you access the information you need from the ACS.

Need help using data.census.gov or the Application Programming Interface (API)? Check out How-to Materials for Using data.census.gov and ACS Data via API.

EXPAND ALL | COLLAPSE ALL

Data Profiles (DP) – Broad social, economic, housing, and demographic information in a total of four profiles

Narrative Profiles – Summaries of information in the Data Profiles using nontechnical text

Comparison Profiles (CP) – Comparisons of ACS estimates over time in the same layout as the Data Profiles

Selected Population Profiles (S0201) – Broad ACS statistics for

United States
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Variance Replicate Estimate Tables

Related Information

How-to Materials for Using data.census.gov

How-to Materials for Using the Microdata Access

American Community Survey Data via API

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American Community Survey Data Tools

Data.census.gov is the Census Bureau's primary tool for accessing data from the American Community Survey (ACS). However, there are many other ways to access ACS estimates and microdata. Learn more about our data tools, along with the product type, year(s) available & data set(s), and geographies included, to help you access the information you need from the ACS.

We also have an ACS Data Products Availability spreadsheet to help you figure out if your data product is available in data.census.gov, the API, and/or the FTP site.

Topics/Product Type Included:Year(s) Available & Data Set(s) Included:Geographies Included:

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data.census.gov – Census Bureau's primary data dissemination tool

QuickFacts – Provides quick, easy access to facts about people, business, and geography

My Congressional District – Interactive tool that provides the latest

census.gov/programs-surveys/acs/data.html

The American Community Survey

Data Tell Stories. Tell us Yours!

LIBRARY SURVEYS/ PROGRAMS INFORMATION FOR...

census.gov / Our Surveys & Programs / American Community Survey (ACS) / Share Your ACS Data

Share Your ACS Data Story

We want to hear about how you use American Community Survey (ACS) data.

Did you or your organization use the ACS to make an important decision, help open/expand a business, etc? If so, we are eager to learn more about A your story by completing the fields below to help us showcase the va

Need help getting started? Check out featured examples from our c stories.

Note: If you have questions or need assistance with ACS data, please c acso.users.support@census.gov. You can also reach out to the ACS Online

Privacy Act Statement (click to read)
OMB Control NO: 0690-0030
Expiration Date: 07/31/2023

Your Story *
Tell us how you use ACS data.



Your story



Your data details



Your outcome

Data Dissemination and Training

- ✓ **Bring our data experts to you.**

Request a free data training for your organization.

- ✓ **Receive our Data Gems.**

These short “how-to” videos are an easy and quick way to increase your knowledge of Census data. Get them in your inbox!

- ✓ **Get access to our Courses.**

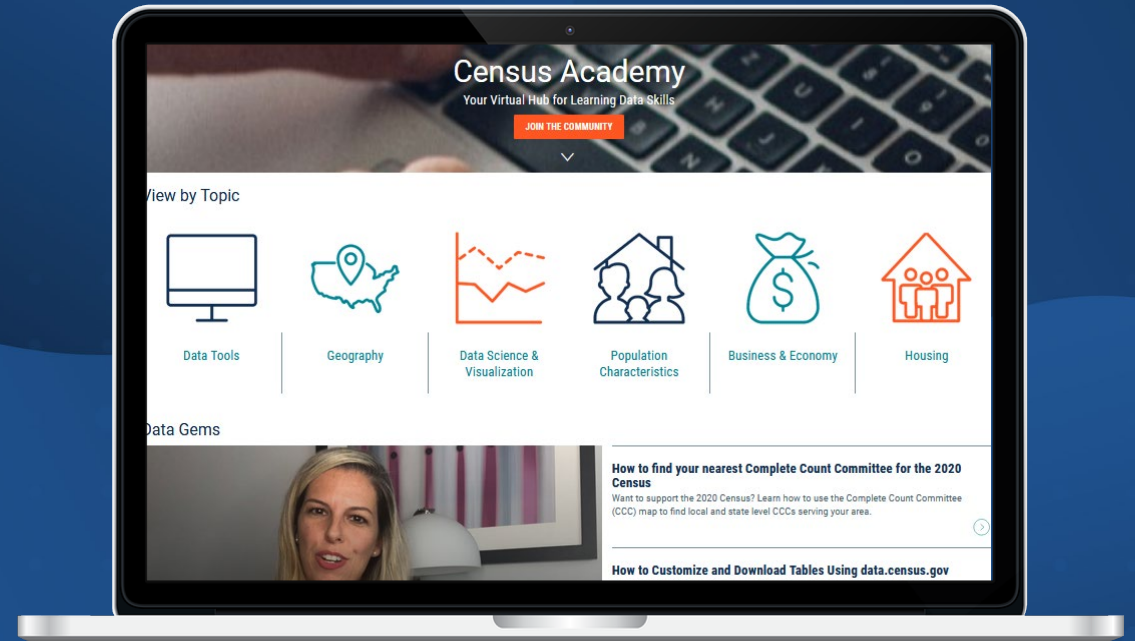
You will learn-at-your-own-pace with these video-tutorials designed for different skill levels.

- ✓ **Interact with our instructors via Webinars.**

Learn about our data releases and tools while attending these live virtual classes.



Census.gov/Academy



Contact us:

Census.askdata@census.gov

1-844-ASK-DATA

*Share your ideas and feedback at
census.academy@census.gov*

Using Census Tools for Environmental Justice

Contact Us

American Community Survey

- Phone: 800-923-8282
- Email: acso.users.support@census.gov
- Web: census.gov/acs

Economic Division

- Phone: 1-844-275-2342
- Emails: census.askdata@census.gov;
CES.OnTheMap.Feedback@Census.gov;
CES.Local.Employment.Dynamics@Census.gov
- Web: lehd.ces.census.gov