Accessing Montana Statistics

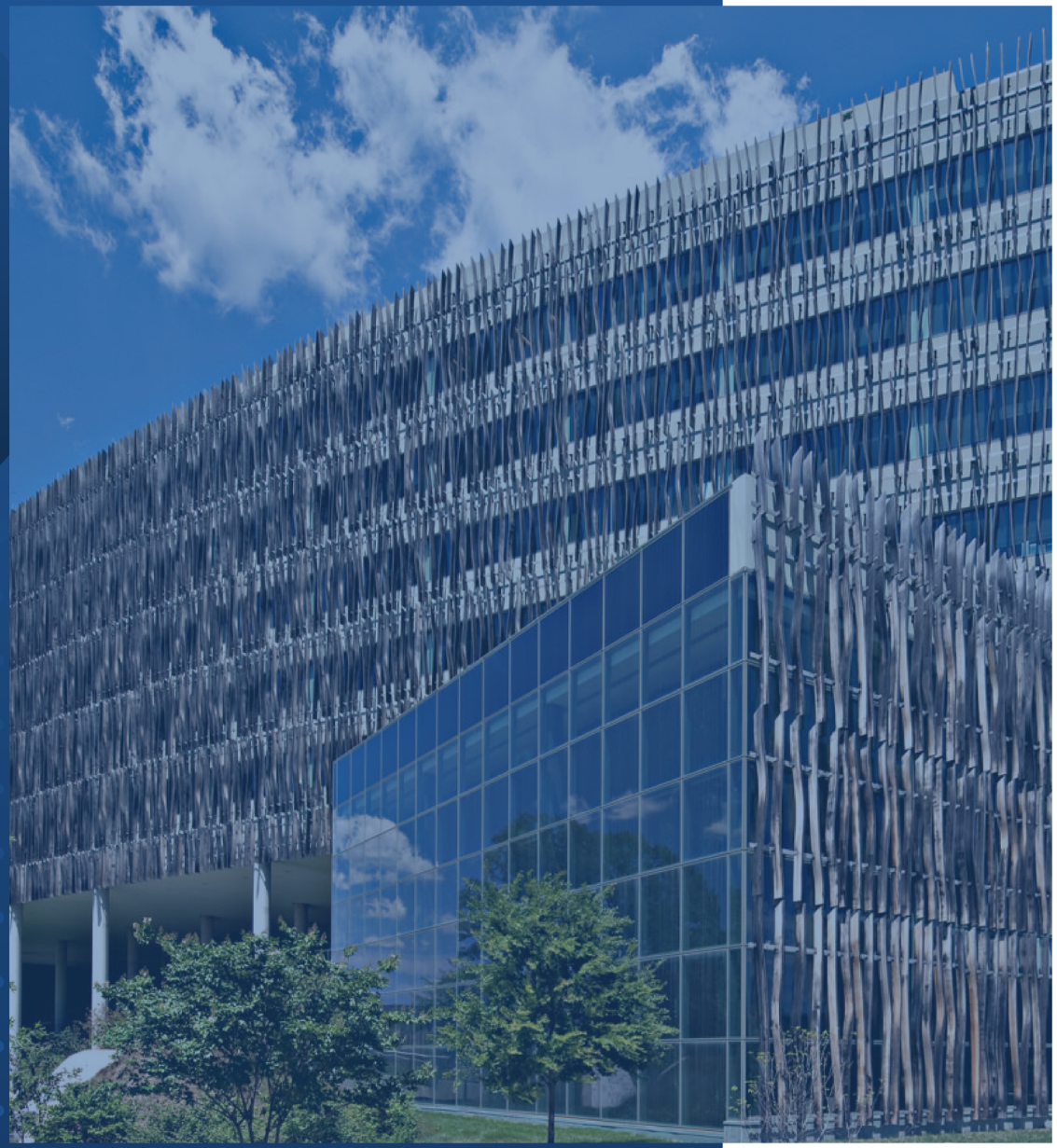
A Workshop Montana State Library

January 23, 2024

Kimberly Davis, Data Dissemination & Training Branch

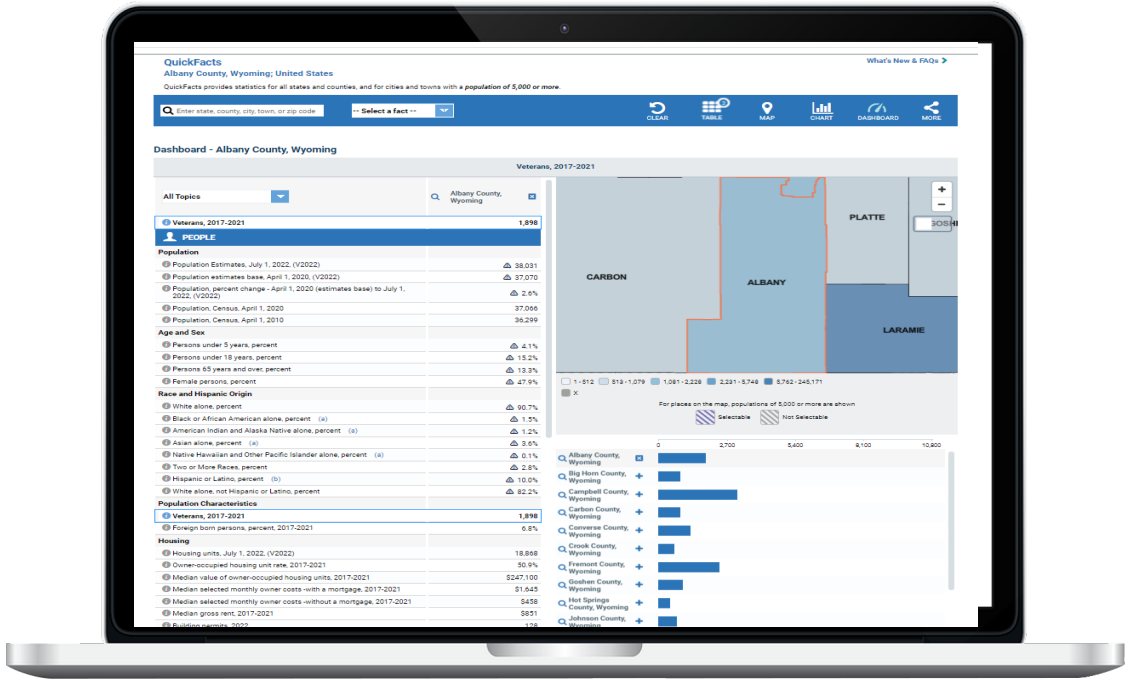
U.S. Census Bureau, Data Dissemination and Training Branch

United States® Census Bureau



Data Dissemination & Training Branch

Bring our data experts to you: request a free data training for your organization at Census.askdata@census.gov or at 1-844-ASK-DATA



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Census Academy
Offering online learning opportunities through:

✓ **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!

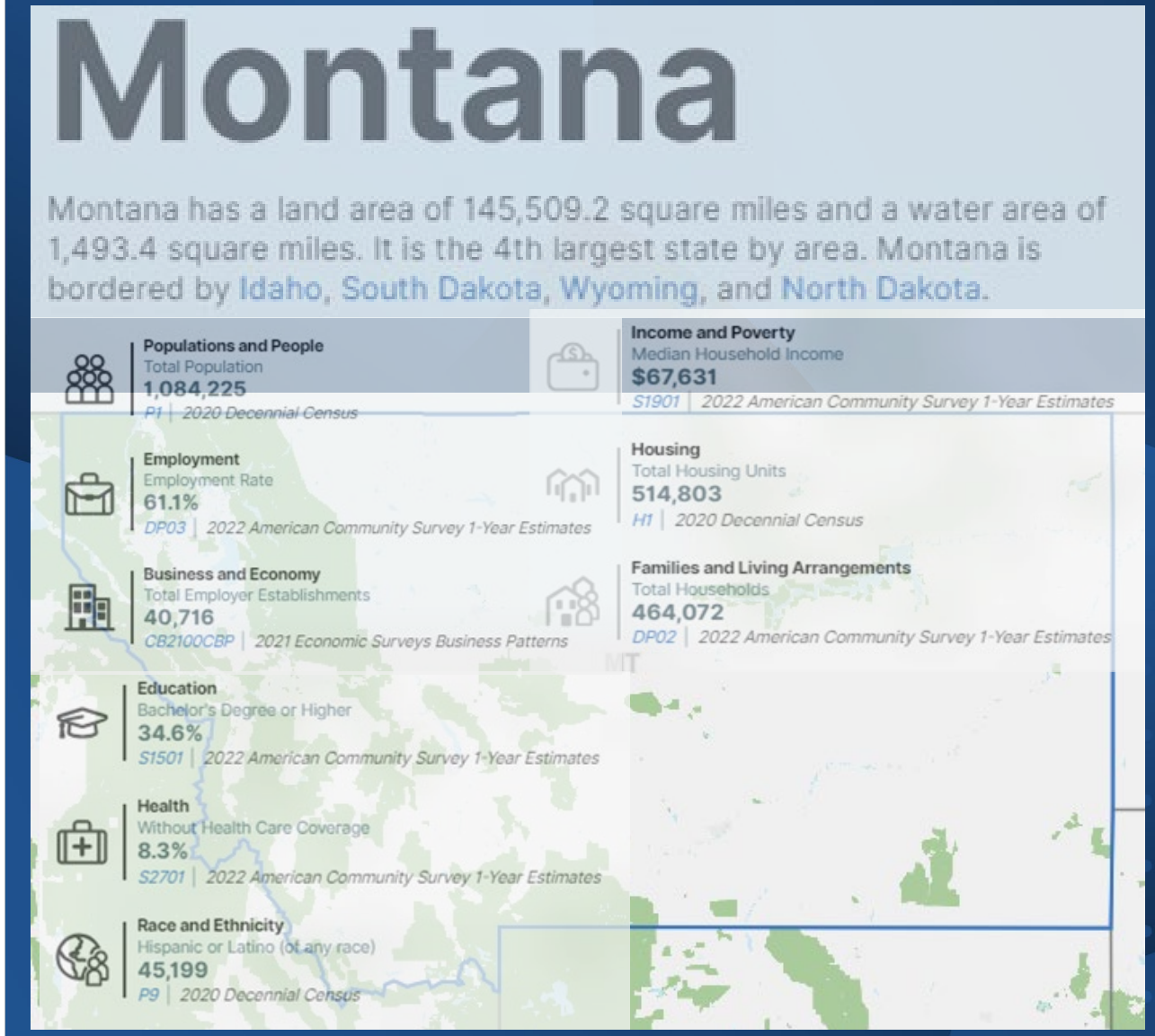
✓ **Courses**
You will learn-at-your-own-pace with these video-tutorials designed for different skill levels.

✓ **Webinars**
Learn about our data releases and tools while attending these live virtual interactive classes.

https://www.census.gov/academy

Objectives

- ✓ Understand data sources & topics
- ✓ Comprehend geographic levels
- ✓ Review table types
- ✓ Navigating data.census.gov



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Agenda

- Census Topics
- Geography Matters
- Understanding Table Types
- Navigating census.gov
  - Hands-On Exercises

United States® Census Bureau

Who Are We & What We Do

The Census Bureau's mission is to serve as the nation's leading provider of quality data about its people and economy.

- Operate under Title 13 and 26 of the U.S. Code
- Conduct collection on behalf of the Census Bureau and other Federal organizations
- Modernize Federal Statistics
- International Programs

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https://www.census.gov/about/what.html

Key Programs

- **Every 5 years**
  - *Economic Census*
  - *Census of Governments*
- **Every 10 years**
  - *Decennial Census of Population & Housing*
- **Ongoing Surveys & Programs**
  - *American Community Survey*
  - *Current Population Survey*
  - *Combining Data*
  - *Population Estimates*

https://www.census.gov/programs-surveys.html

American Community Survey

- 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.
- Surveys 3.5 million
- Helps informs how trillions of dollars in federal funds are distributed each year
- Covers 40+ topics, supports over 300 evidence-based Federal government uses, & produces 11 billion estimates each year

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- Three key annual data releases:
  - *1-year Estimates*

    Release for geographic areas with a populations 65,000+
  - *1-year Supplemental Estimates*

    Release for geographic areas with a populations of 20,000+
  - *5-year Estimates*

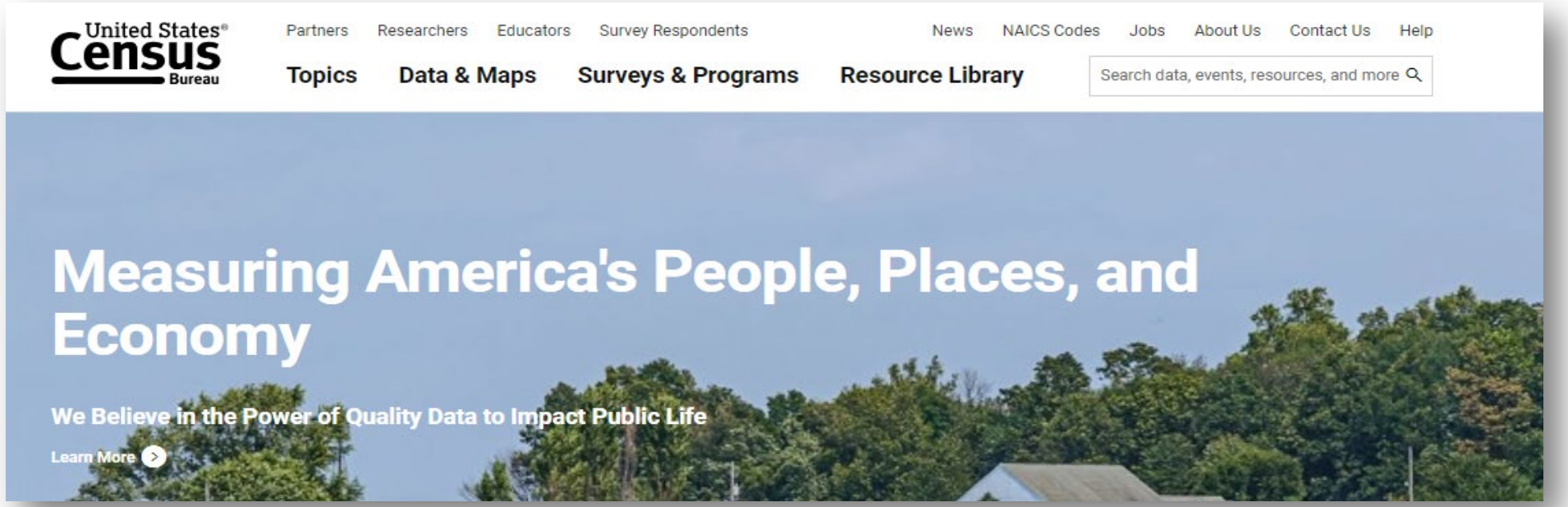
    Released for all areas down to a Census Tract and some Block Groups

https://www.census.gov/programs-surveys/acs

Navigating census.gov

- **Topics -** Index of all topics A-Z, includes most searched subjects
- **Data & Maps -** Includes most used tools, full list of data tools and apps
- **Surveys & Programs -** Sources list of data collection programs
- **Resource Library -** Collection of dynamic data products, videos, infographics, fats sheets publications
- **Global Search (type in search) -** Smart search, returning information from all sources

most frequently requested data for the four subject area



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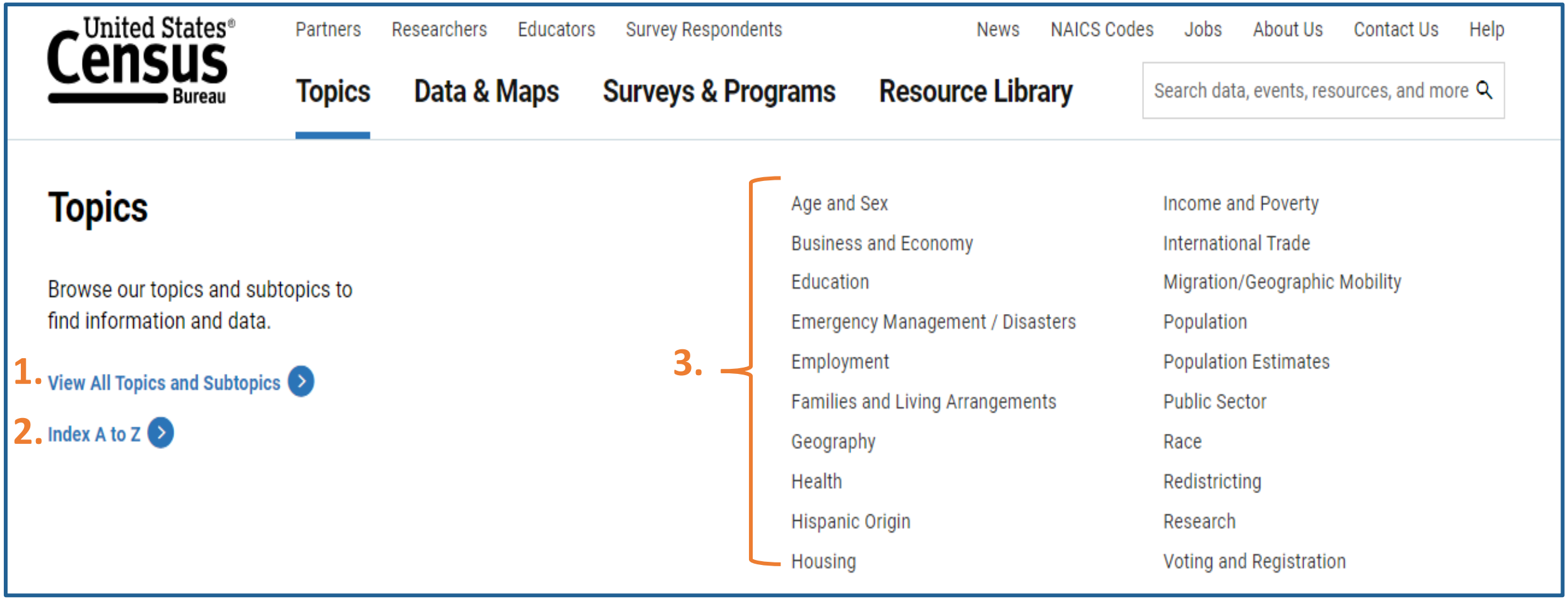
Topics

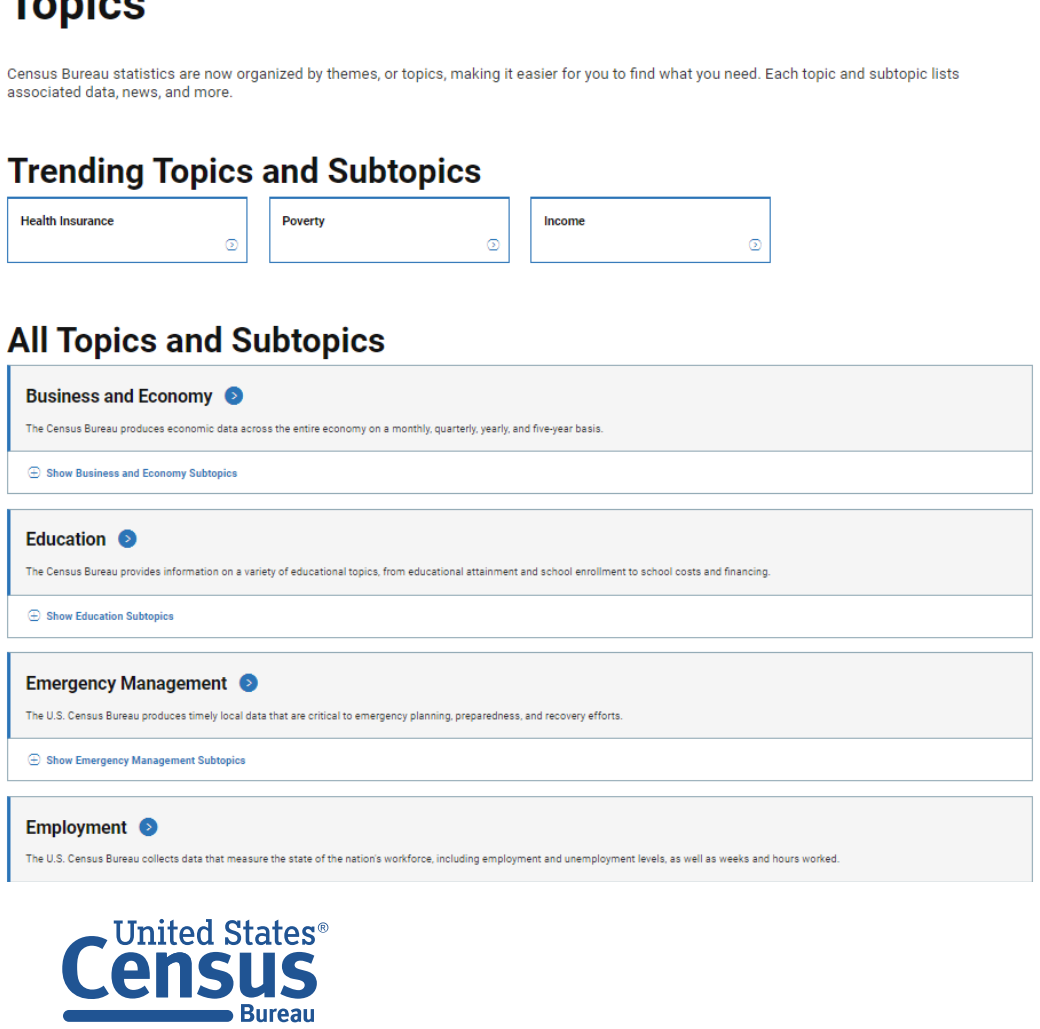
Hover over Topics tab brings options to:

1. View All Topics and SubTopics
2. Search Index A-Z
3. Select from most sought-after topics



Topics

View All Topics and SubTopics



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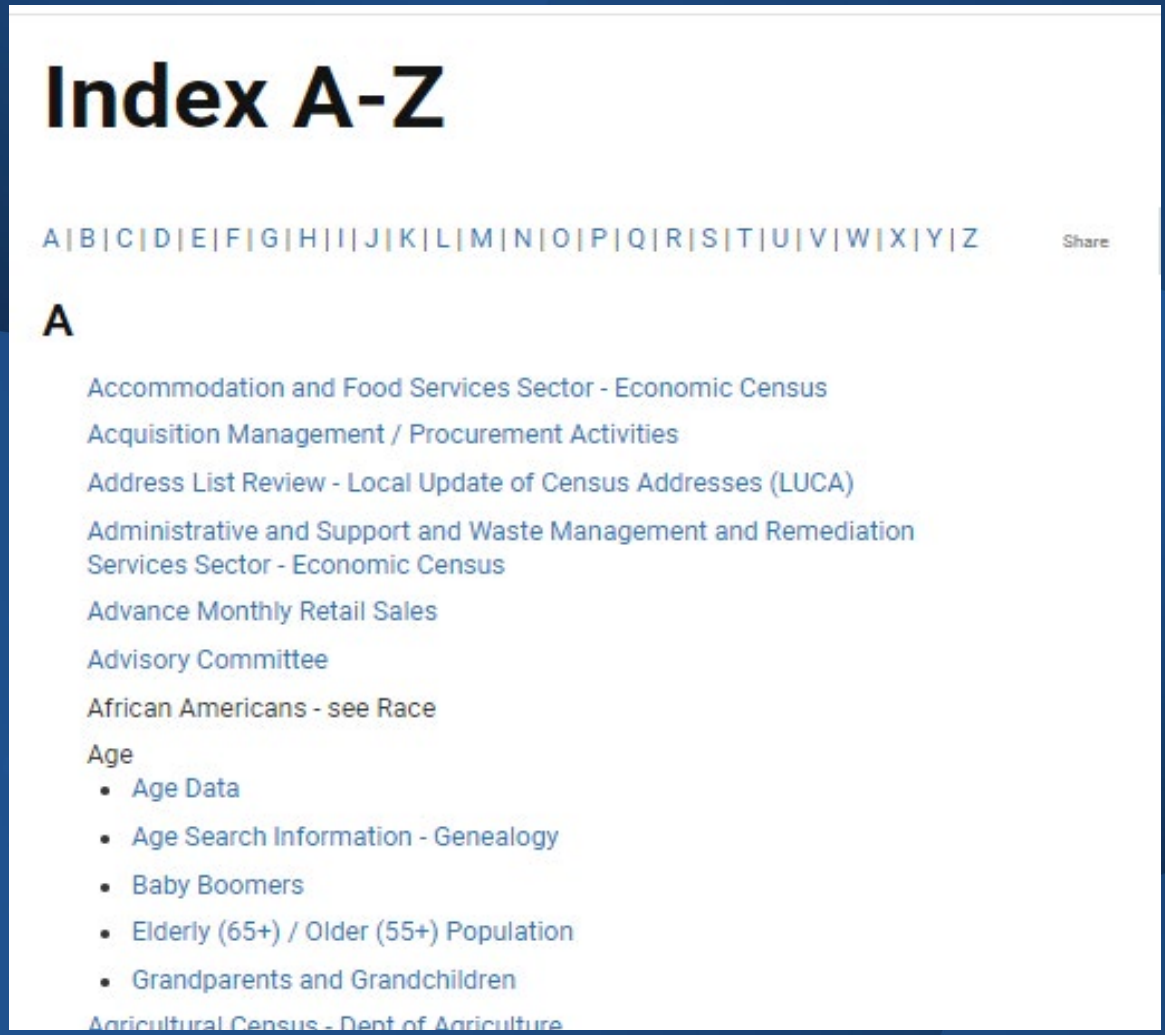
Search Index A-Z



Topics

Within Topics

- About this Topic
- America Counts: Stories
- Data
- News
- Publications
- Related Sites
- Surveys and Programs
- Visualizations
- Working Papers

Employment

The U.S. Census Bureau collects data that measure the state of the nation's workforce, including employment and unemployment levels, as well as weeks and hours worked.

Subtopics

Commuting (Journey to Work)
Commuting including means of transportation, time of departure, mean...

Employers: Private Sector
Data include the number of employer and nonemployer firms, sales and receipts,...

Employers: Public Sector
Data on public sector employment and payroll measure the number of federal,...

Equal Employment Opportunity Tabulation
The EEO Tabulation, based on American Community Survey data, highlights the...

Industry and Occupation
The U.S. Census Bureau currently collects data on industry, occupation,...

Labor Force Statistics
Information about the nation's workforce, changes in employment rates and...

Public Sector Employment and Payroll
Data on the number of federal, state, and local civilian government employees an...

Work from Home
Work from home refers to a worker's usage of the home as a workplace.

U.S. ECONOMIC INDICATORS

All Economic Indicators

Business Inventories
November 2023 Report
Released January 17th, 2024
$2,548.9 B
-0.1%

Advance Monthly Retail Sales
December 2023 Report
Released January 17th, 2024
$709.9 B
0.6%

News

View More

Press Release

Business Formation Statistics Monthly Data Release

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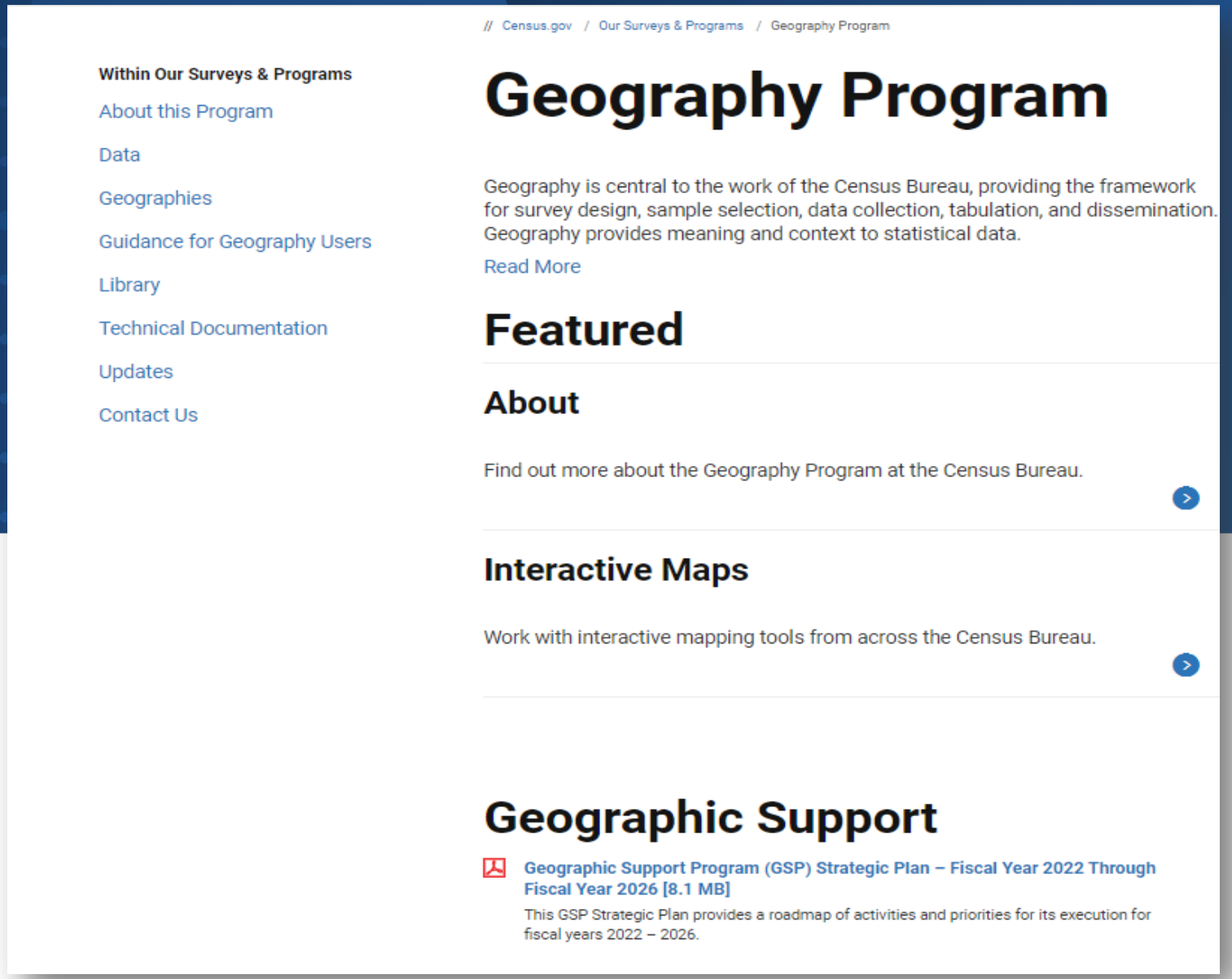
Geography Matters

- Geography Resources
- Geography Hierarchy
- Boundary Annexation Surveys



// Census.gov / Our Surveys & Programs / Geography Program

Within Our Surveys & Programs

About this Program
Data
Geographies
Guidance for Geography Users
Library
Technical Documentation
Updates
Contact Us

Geography Program

Geography is central to the work of the Census Bureau, providing the framework for survey design, sample selection, data collection, tabulation, and dissemination. Geography provides meaning and context to statistical data.

Read More

Featured

About

Find out more about the Geography Program at the Census Bureau.

Interactive Maps

Work with interactive mapping tools from across the Census Bureau.

Geographic Support

Geographic Support Program (GSP) Strategic Plan – Fiscal Year 2022 Through Fiscal Year 2026 [8.1 MB]

This GSP Strategic Plan provides a roadmap of activities and priorities for its execution for fiscal years 2022 – 2026.

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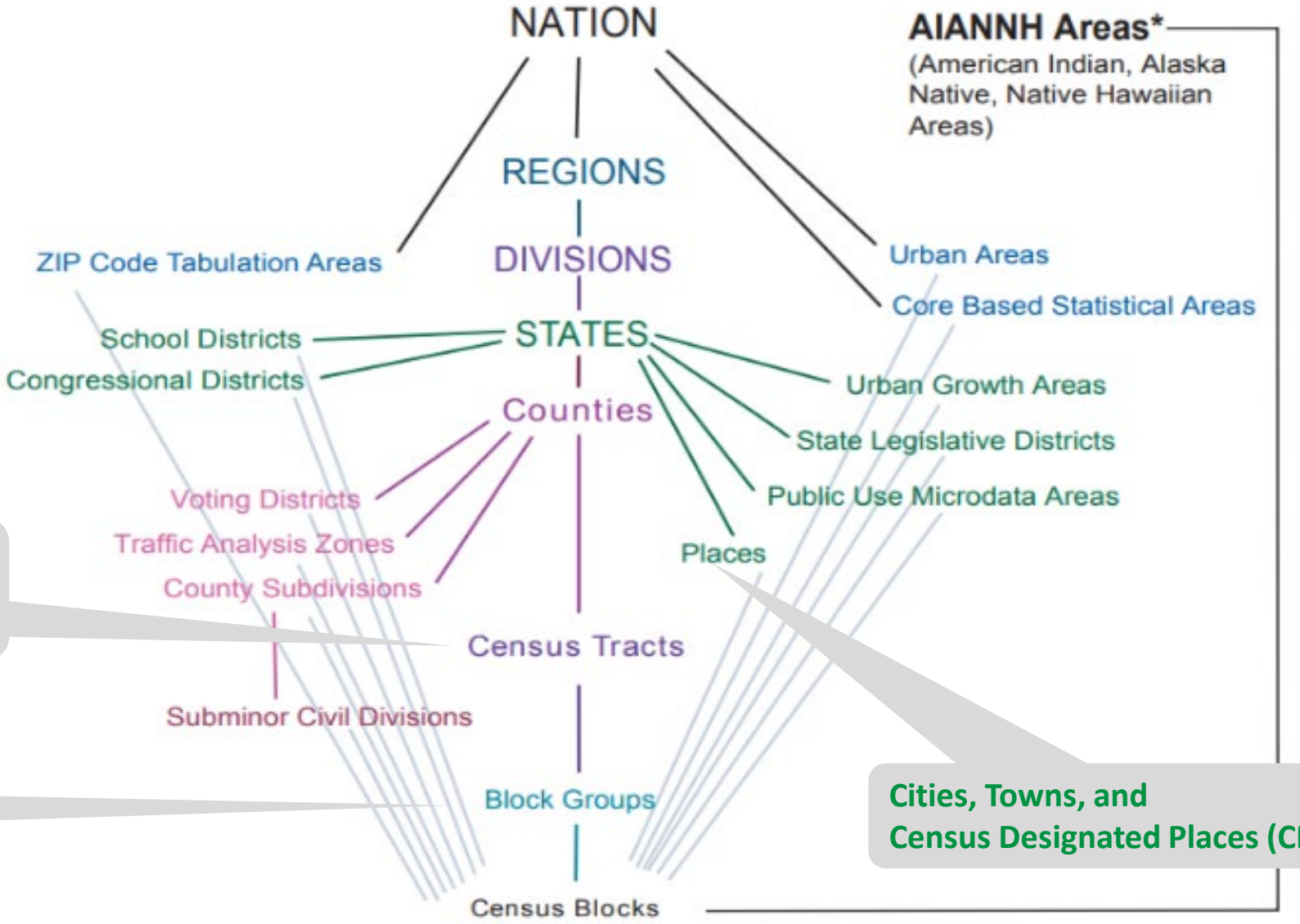
https://www.census.gov/programs-surveys/geography.html

Census Geography Hierarchy



Census Tract
- **1,200 to 8,000 population (optimum 4,000)**
- **480 to 3,200 housing** units

Census Block Group
- 600 to 3,000 population
- 240 to 1,200 housing units

Cities, Towns, and Census Designated Places (CDP)

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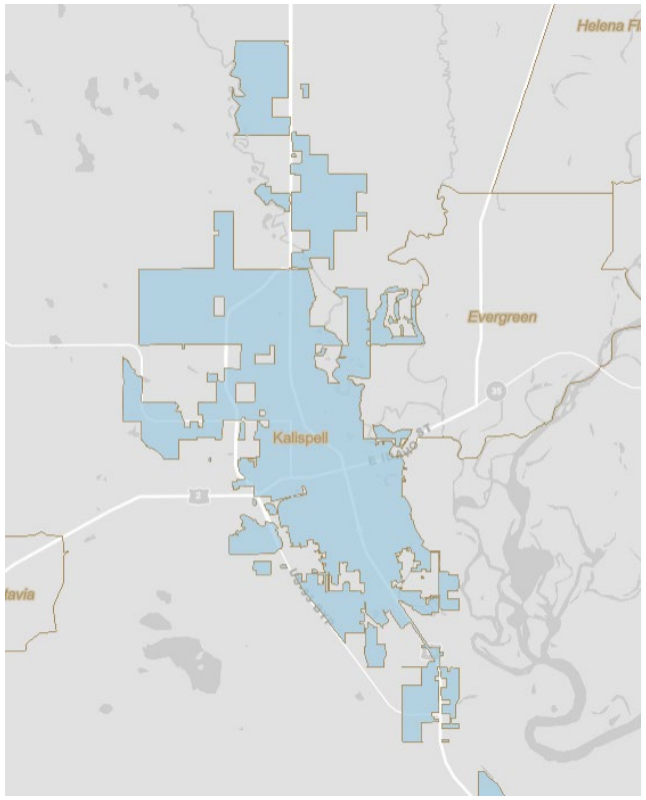
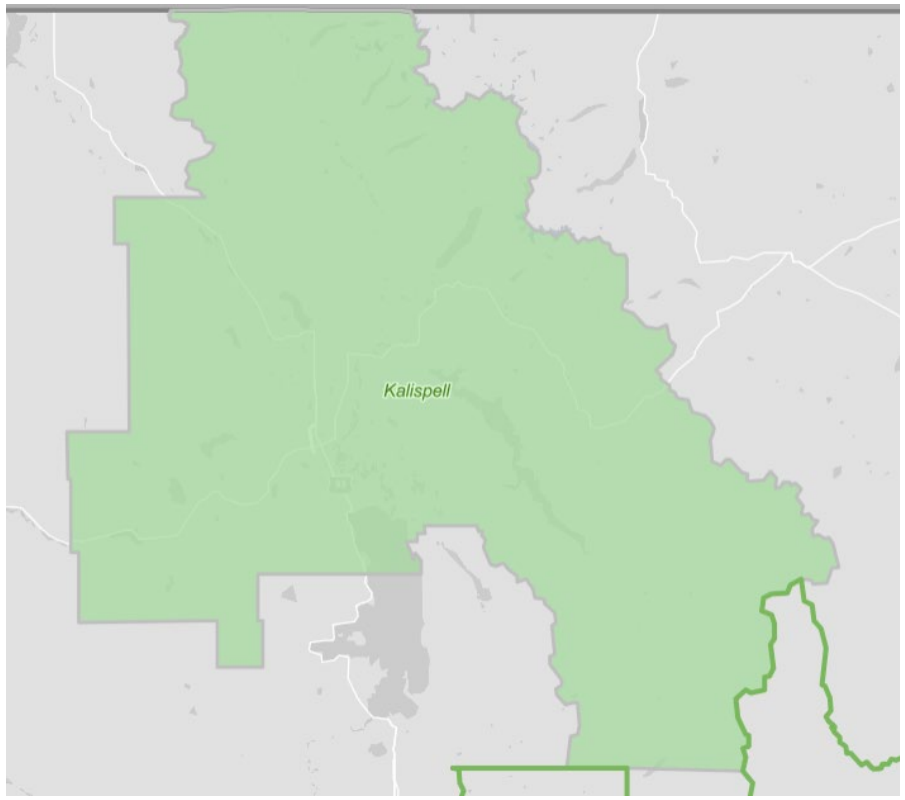
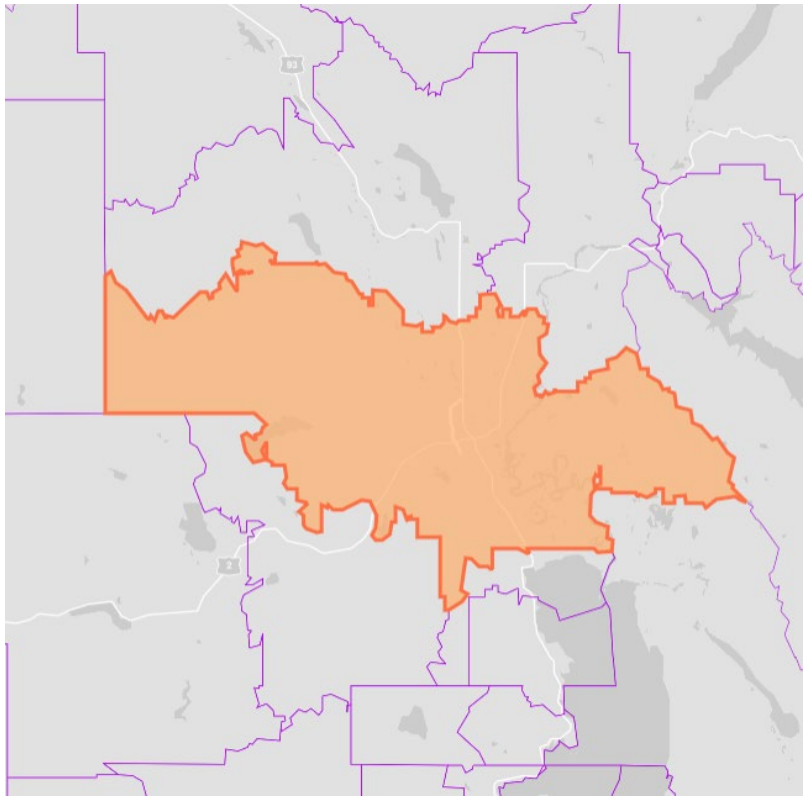
Why Geography Matters



Place Level: City of Kalispell
Population 18 yrs. + : 19,438
Veterans Status: 1,824 (9.4%)



Micropolitan Area: Kalispell
Population 18 yrs. + over: 87,543
Veterans Status: 7,795 (8.9%)



ZCTA: Kalispell 59901
Population 18 yrs. + over: 28,971
Veterans Status: 4,782 (16.5%)

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Table Types

Decennial Tables

- P = Population
- H = Housing
- T0 = Detailed Demographic and Housing Characteristics File
- G State = Decennial Post-Enumeration Survey
- DP01 – Demographic Profile

Population Estimates Tables

- PEPANNRES = Annual Estimates
- NA = National Monthly Population
- NST EST = Annual Estimates

American Community Survey

- Detailed Tables
  - B – Base Table
  - C – Collapsed Table
- Subject Tables
- Ranking Tables
- Geographic Comparison Tables (GCT)
- Supplemental Tables (K20)
- Experimental Estimates (XK)
- Data Profiles (DP)
- Narrative Profile (NP)
- Comparison Profiles (CP)
- Selected Population Profile (S0201

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https://www.census.gov/programs-surveys/acs/data/data-tables/table-ids-explained.html

Decoding Table Identifiers

B 05 003 A

First digit
Identify Table Type
B = Base
DP = Data Profile
S = Subject

Next 2 digits
Identify Subject of Table

Next 3 digits
Uniquely Identify Topic within Subject area

Race Iteration
Selected Tables Only:

A = White Alone
B = Black/African American Alone
C = AIAN Alone
D = Asian Alone
E = Native Hawaiian & Other Pacific Islander Alone
F = Some Other Race Alone
G = Two or More Races
H = White Alone, Not Hispanic
I = Hispanic or Latino

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https://www.census.gov/programs-surveys/acs/data/data-tables/table-ids-explained.html

Demo for finding Tables:
https://www.census.gov/data/tables.html

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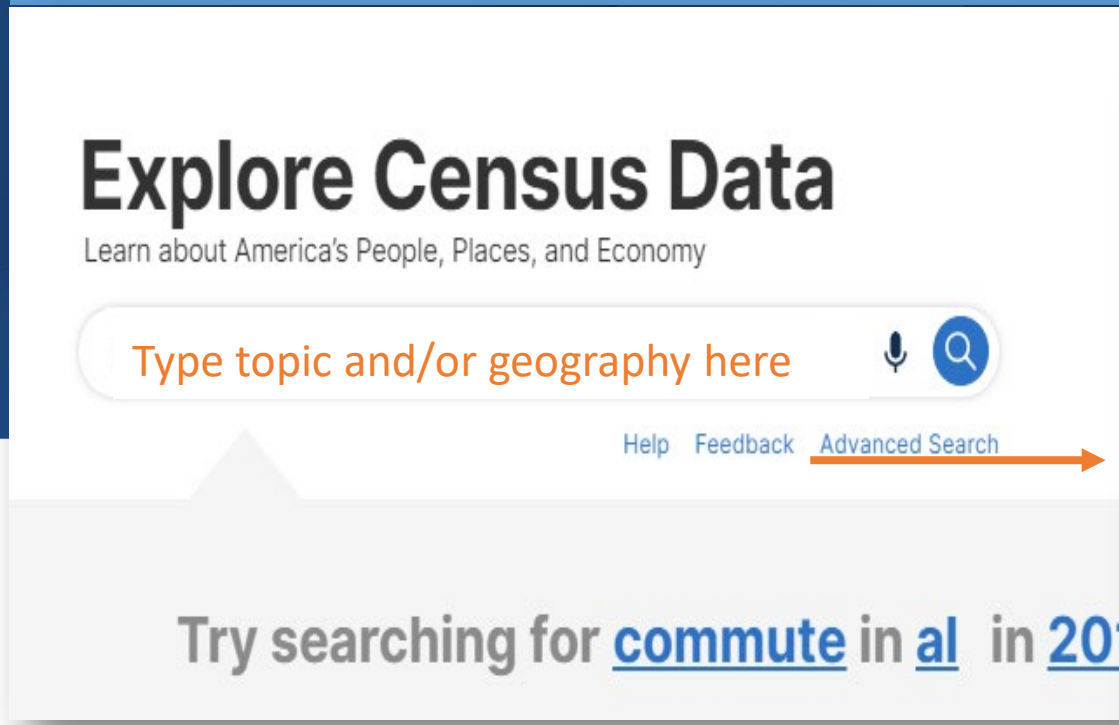
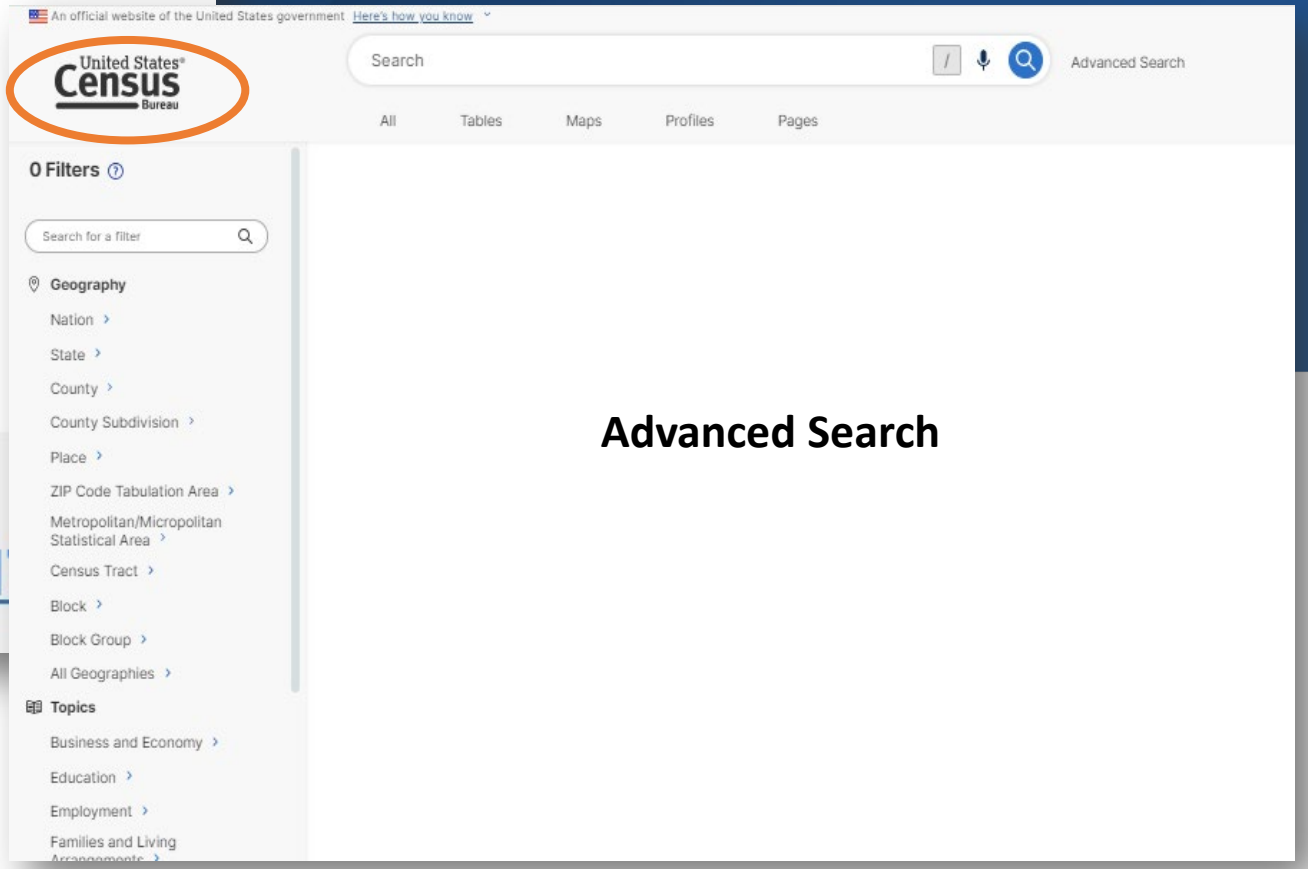
data.census.gov

data.census.gov





Advanced Search

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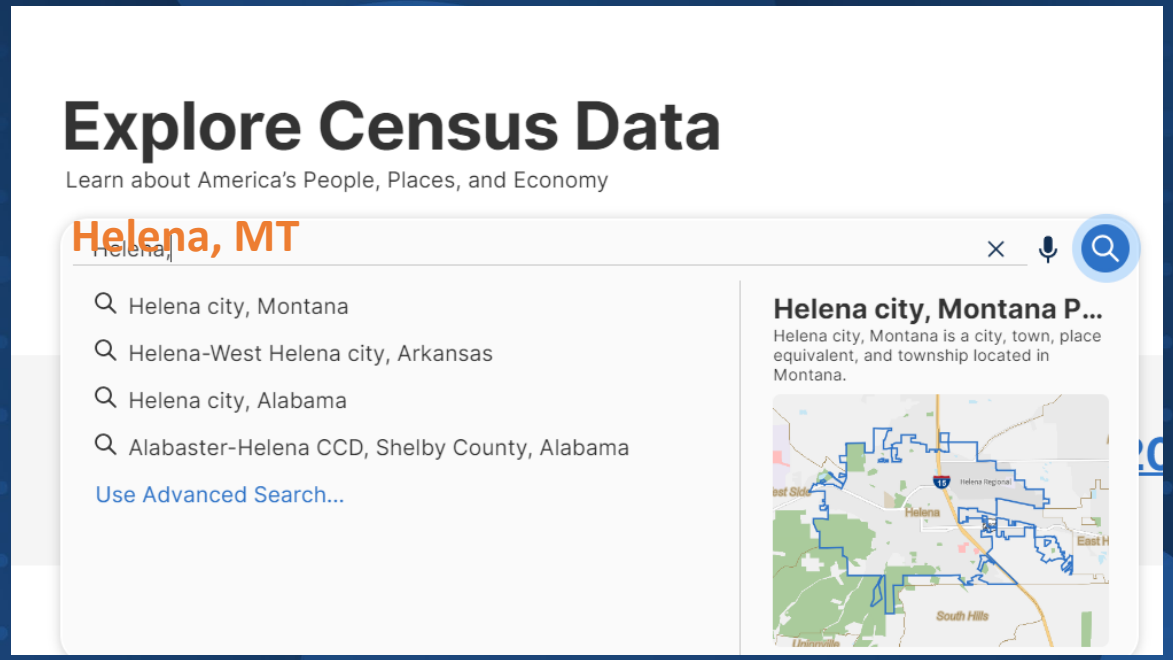
data.census.gov

Case Study 1:

What is the population of Helena, MT?

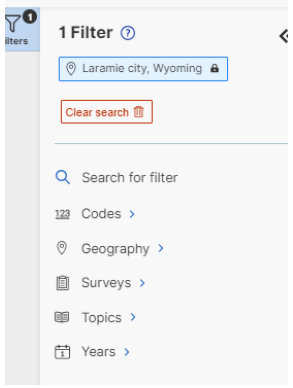
1. Type the geographic area in the global search field:



Geographic Profile

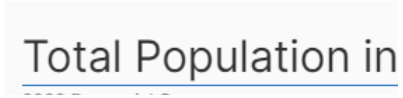
Select from the drop down or hit enter, type your place

data.census.gov returns options:

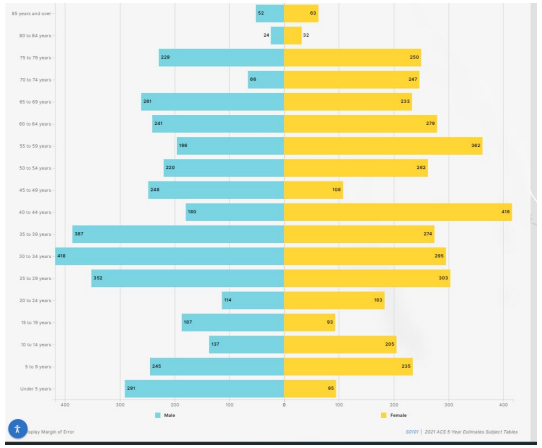


a. Identifies in the Filters 1 item:

Helena, MT



b. A list of tables about this geographic area, with an option to select the first table sharing 2020 Census Total Population.



c. Facts, with options to View Profile or select related Searches, and scrolling down shares graphs, tables and closeup of map area.

https://data.census.gov/profile/Whitefish_city,_Montana?g=160XX00US3079825

data.census.gov

Data Profile – most frequently requested data for the four subject areas:

DP02 - Social Characteristics — includes Education, Marital Status, Relationships, Language Spoken, Grandparents...

DP03 - Economic Characteristics — includes Income, Employment, Occupation, Commuting to Work...

DP04 - Housing Characteristics — includes Occupancy and Structure, Housing Value and Costs, Utilities...

DP05 - Demographic Characteristics — includes Sex and Age, Race, Hispanic Origin, Housing Units...

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Case Study 2:

I want to know the general characteristics, such as employment for Montana?

1. Type in the global search field: **DP or DP03**

2. Select geography from the Filter menu on left, select geography type: **State**
3. To narrow search, select from list that opens to the right, selecting: **Montana**

Helpful hints:
When making a geography selection, select the lowest level of geography you want to search for data.
i.e.: County, within state of Montana

data.census.gov

Multiple like geographies in a single search.

Subject Table – provides details (sub-details) about topics.

Helpful hints:

- *Users can cross tabulate data by selecting multiple topics. i.e.: veterans, disability, education.*
- *However, may experience no results if too many topics are listed for cross-tabulations due to privacy disclosure/ compromise identity.*

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Case Study 3:
For all counties in Montana, how many veterans are disabled and what is the education level of the veterans?

1. Using Filter Menu, make selections for 1 geography type, with multiple geographies.
    1. Select **Counties**
    2. within **Montana**
    3. From the filtered list, select **All Counties within Montana**
2. Using Topics in Menu Filter,
    1. Select **Population and People**
    2. From the sub-topic list **Veterans**

THANK YOU!

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Measuring America—People, Places, and Economy

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www.census.gov

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