



# U.S. Census Sources Other Than Factfinder

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Help! I'm an Accidental Government Information Librarian Webinars  
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# Agenda

- Notes about American FactFinder (for comparison purposes!)
- Tools for aggregate data
  - NHGIS - free
  - Commercial Sources
    - Social Explorer (commercial)
    - SimplyAnalytics (commercial)
    - PolicyMap (commercial but free to NC through NC LIVE)
- Bonus Material
  - OnTheMap, Census mapping tool with economic data
  - Tools for microdata
    - IPUMS USA (free)
    - IPUMS Terra (free)
    - DataFerrett (free)
    - Federal Statistical Research Data Centers (by approved application only; \$\$\$\$ unless researcher is affiliated with a member institution)

Note: I'll be focusing on the population data, and on table production rather than maps.

## First, A Caveat

- Regardless of the tool, it helps A LOT to know something about the data.

I'll spend very little time today explaining Census methodology but instead recommend the June 12, 2013 Help! session at <https://bit.ly/2DVYEBD>.

- Sometimes, AFF is the right tool.
- I recommend playing around with these tools. You can't break them and you learn a lot.

## Comparison Table – Aggregate Data

(Notes on slide 6)

Tool	Decennial/ ACS	Aggregate/ Microdata <sup>1</sup>	Current/ Historical	Ease of Use <sup>2</sup>	Ownership
<a href="#">American FactFinder<sup>3</sup></a>	Both + many more	Aggregate	Current (mostly)	Medium	Government
<a href="#">NHGIS</a>	Both + some more	Aggregate	Both	Medium	Non-profit
<a href="#">PolicyMap</a>	Both + many more	Aggregate	Both but limited historical	Easy	Commercial
<a href="#">SimplyAnalytics</a>	Both + many more	Aggregate	Current (mostly)	Medium to Hard	Commercial
<a href="#">Social Explorer</a>	Both + many more	Aggregate	Both	Easy	Commercial

## Comparison Table – Aggregate Data

(Notes on slide 6)

Tool	Tables/Maps	Online?	Register?	Bulk Download	Application Time
<a href="#">American FactFinder</a> <sup>3</sup>	Both but mapping is complicated & limited	Yes	No	Through Download Center	N/A
<a href="#">NHGIS</a>	Tables; download .shp files	Yes	Yes	Yes	N/A
<a href="#">PolicyMap</a>	Maps but can download some <sup>4</sup> tables	Yes	No but can	No	N/A
<a href="#">SimplyAnalytics</a>	Both	Yes	No but can	No	N/A
<a href="#">Social Explorer</a>	Both	Yes	Yes	Yes	N/A

## Notes

1. “Summarized” tables are aggregate data about an area, generally offered for public release. Microdata are anonymized responses for an individual respondent and their household, and can be used flexibly to create customized analyses.
2. Ease of use is completely subjective, based on my experience using these products with undergraduate students, with reference to the complexity of the interface. (Everything gets easier the more you use it.)
3. American FactFinder will be replaced by [data.census.gov](https://data.census.gov). Transition is happening 2018-2020.
4. Some data in PolicyMap is licensed from third parties and cannot be downloaded in tables, only portrayed in maps.

# Understand American Factfinder

<https://factfinder.census.gov/>

- Census Bureau's official online database
- Provides complete available tables but only for most current years\*
- Not very user-friendly, but some orientation to interface helps
- Times out in 30 minutes; use Download Center for big downloads
- First ACS block group data provided is 2013 (for ACS BG data, always use 5-year files)
- To be replaced by data.census.gov (soon-ish)

# Understand AFF: Records Management Rules

- Decennial census (every 10 years): retain and display the current and 1 prior
  - Current: Census 2010
  - Prior: Census 2000
- Quinquennial census (every 5 years): retain and display the current and 1 prior
  - Current: ECON 2007
  - Prior: ECON 2002
- Annual surveys: retain and display the current and 4 prior (5 for ACS)





 Check out the early preview of our new dissemination platform at [data.census.gov](https://data.census.gov).

▶ **Community Facts**

▶ **Guided Search**

▼ **Advanced Search**

Search all data in American FactFinder, with access to all geographic types and datasets.

SHOW ME ALL

▶ **Download Center**



### Popular Tables

Population and Housing

Poverty and Income



**Search** - Use the options on the left (topics, geographies, ...) to narrow your search results

**Your Selections**

'Your Selections' is empty

[load search](#) | [save search](#)

**Search using the options below:**

**Topics**  
(age, income, year, dataset, ...)

**Geographies**  
(states, counties, places, ...)

**Race and Ethnic Groups**  
(race, ancestry, tribe)

**Industry Codes**  
(NAICS industry, ...)

**EEO Occupation Codes**  
(executives, analysts, ...)

*To search for tables and other files in American FactFinder:*

**1** Enter search terms and an optional geography and click **GO**

topic or table name

state, county or place (optional)

GO

?

☒ topics
 ☐ race/ancestry
 ☐ industries
 ☐ occupations

-- or --

Select from **Topics**, **Race and Ethnic Groups**, **Industry Codes**, **EEO Occupation Codes**.

- these are added to 'Your Selections'
- the Search Results are updated

**2** Next, select **Geographies** (states, counties, cities, towns, etc.)

- these are added to 'Your Selections'
- the Search Results are updated

**3** Select one or more Search Results and click **View**

**Search** - Use the options on the left (topics, geographies, ...) to narrow your search results

**Your Selections**

**Search using...**

Race & Ethnicity:

Race/Ethnicity of Householder

County

All Counties within North Carolina

[clear all selections and start a new search](#)

[load search](#) | [save search](#)

**Search using the options below:**

**Topics**

(age, income, year, dataset, ...)

**Geographies**

(states, counties, places, ...)

**Race and Ethnic Groups**

(race, ancestry, tribe)

**Industry Codes**

(NAICS industry, ...)

**EEO Occupation Codes**

(executives, analysts, ...)

Search Results: 1-25 of 4,696 tables and other products match 'Your Selections'

per page: 25

Refine your search results:

topic or table name

state, county or place (optional)

GO

?

☒ topics

☐ race/ancestry

☐ industries

☐ occupations

Selected:

View

Download

Compare

Clear All

Reset Sort

?

1 2 3 4 5

Show results from: All available years

All available programs

	ID	Table, File or Document Title	Dataset	About
<input type="checkbox"/>	B11001A	HOUSEHOLD TYPE (INCLUDING LIVING ALONE) (WHITE ALONE)	2017 ACS 5-year estimates	
<input type="checkbox"/>	B11001A	HOUSEHOLD TYPE (INCLUDING LIVING ALONE) (WHITE ALONE)	2017 ACS 1-year estimates	
<input type="checkbox"/>	B11001B	HOUSEHOLD TYPE (INCLUDING LIVING ALONE) (BLACK OR AFRICAN AMERICAN ALONE)	2017 ACS 5-year estimates	
<input type="checkbox"/>	B11001B	HOUSEHOLD TYPE (INCLUDING LIVING ALONE) (BLACK OR AFRICAN AMERICAN ALONE)	2017 ACS 1-year estimates	
<input type="checkbox"/>	B11001C	HOUSEHOLD TYPE (INCLUDING LIVING ALONE) (AMERICAN INDIAN AND ALASKA NATIVE ALONE)	2017 ACS 5-year estimates	
<input type="checkbox"/>	B11001C	HOUSEHOLD TYPE (INCLUDING LIVING ALONE) (AMERICAN INDIAN AND ALASKA NATIVE ALONE)	2017 ACS 1-year estimates	
<input type="checkbox"/>	B11001D	HOUSEHOLD TYPE (INCLUDING LIVING ALONE) (ASIAN ALONE)	2017 ACS 5-year estimates	
<input type="checkbox"/>	B11001D	HOUSEHOLD TYPE (INCLUDING LIVING ALONE) (ASIAN ALONE)	2017 ACS 1-year estimates	
<input type="checkbox"/>	B11001E	HOUSEHOLD TYPE (INCLUDING LIVING ALONE) (NATIVE HAWAIIAN AND OTHER PACIFIC ISLANDER ALONE)	2017 ACS 5-year estimates	
<input type="checkbox"/>	B11001E	HOUSEHOLD TYPE (INCLUDING LIVING ALONE) (NATIVE HAWAIIAN AND OTHER PACIFIC ISLANDER ALONE)	2017 ACS 1-year estimates	
<input type="checkbox"/>	B11001F	HOUSEHOLD TYPE (INCLUDING LIVING ALONE) (SOME OTHER RACE ALONE)	2017 ACS 5-year estimates	
<input type="checkbox"/>	B11001F	HOUSEHOLD TYPE (INCLUDING LIVING ALONE) (SOME OTHER RACE ALONE)	2017 ACS 1-year estimates	
<input type="checkbox"/>	B11001G	HOUSEHOLD TYPE (INCLUDING LIVING ALONE) (TWO OR MORE RACES)	2017 ACS 5-year estimates	
<input type="checkbox"/>	B11001G	HOUSEHOLD TYPE (INCLUDING LIVING ALONE) (TWO OR MORE RACES)	2017 ACS 1-year estimates	
<input type="checkbox"/>	B11001H	HOUSEHOLD TYPE (INCLUDING LIVING ALONE) (WHITE ALONE, NOT HISPANIC OR LATINO)	2017 ACS 5-year estimates	
<input type="checkbox"/>	B11001H	HOUSEHOLD TYPE (INCLUDING LIVING ALONE) (WHITE ALONE, NOT HISPANIC OR LATINO)	2017 ACS 1-year estimates	
<input type="checkbox"/>	B11001I	HOUSEHOLD TYPE (INCLUDING LIVING ALONE) (HISPANIC OR LATINO)	2017 ACS 5-year estimates	

Questions?

# National Historical Geographic Information System

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

- Grant-funded project from UMN Pop Ctr
- Geocoded (pop) Census data back to 1790
  - Has tables & .shp files, but cannot pull one geography alone
- Have to register, but free; accounts are renewed on an annual basis
- Interface not entirely intuitive; still need to know a lot about the Census
- Processes data requests off-line (asynchronously) so good for big downloads

**DATA**[SELECT DATA](#)[MY DATA HISTORY](#)**USER RESOURCES**[ABOUT NHGIS](#)[FAQ](#)[DATA AVAILABILITY](#)[USER'S GUIDE](#)[OVERVIEW OF DATASETS](#)[MAPPING OPTIONS](#)[GEOGRAPHIC CROSSWALKS](#)[ENVIRONMENTAL SUMMARIES](#)**DOCUMENTATION**[TABULAR DATA SOURCES](#)[TIME SERIES TABLES](#)[GIS FILES](#)[RELEASE LOG](#)**RESEARCH**[CITATION AND USE](#)[RELATED SITES](#)[IPUMS BIBLIOGRAPHY](#)**CONTACT US**[USER FORUM](#)**DOWNLOAD U.S. CENSUS DATA TABLES & MAPPING FILES**

The **National Historical Geographic Information System** (NHGIS) provides easy access to summary tables and time series of population, housing, agriculture, and economic data, along with GIS-compatible boundary files, for years from 1790 through the present and for all levels of U.S. census geography, including states, counties, tracts, and blocks. [Read more.](#)

**START HERE:**[Get Data](#)**WHAT IS IPUMS?**

IPUMS provides census and survey data from around the world integrated across time and space. IPUMS integration and documentation makes it easy to study change, conduct comparative research, merge information across data types, and analyze individuals within family and community context. Data and services are available free of charge. [Learn more about IPUMS.](#)

**NHGIS NEWS**[CENTERS OF POPULATION FOR STATES, COUNTIES, TRACTS, AND BLOCK GROUPS](#)[2013-2017 ACS 5-YEAR SUMMARY FILE AND 2017 BOUNDARY FILES NOW AVAILABLE](#) | [WEBINAR ON IPUMS NHGIS](#)[FASTER PROCESSING OF TIME SERIES TABLES](#) | [VITAL STATISTICS FOR 1915-2007](#) | [MORE NEWS...](#)**IPUMS PROJECTS**





# NEW NHGIS REGISTRATION

NHGIS data are available free of charge. Before using the data, researchers must complete this registration and agree to abide by the usage license specified below. By completing this application, you agree to receive occasional email messages. Such messages will be infrequent, and we will safeguard the confidentiality of your email address.

EMAIL (Required)

michele\_hayslett@unc.edu

PASSWORD (Required)

••••••••

PASSWORD CONFIRMATION (Required)

FIRST NAME (GIVEN NAME) (Required)

LAST NAME (SURNAME OR FAMILY NAME) (Required)

INSTITUTION OR EMPLOYER (Required)

INSTITUTION OR PERSONAL WEBSITE

OCCUPATION CATEGORY (Required)

Choose

SPECIFIC OCCUPATION TITLE (Required)

FIELD OF RESEARCH (Required)

Choose

RESEARCH AREA(S)

Choose

GENERAL RESEARCH STATEMENT

Enter *at least* 50 words here –  
can be gibberish with lots of  
spaces.

HOW DID YOU LEARN ABOUT THIS DATABASE? (Required)

Choose

**NHGIS USAGE LICENSE**

By completing this registration, you agree to the following terms of use.

☐ **Redistribution: You will not redistribute the data without permission.** (Required)

You may publish a subset of the data to meet journal requirements for accessing data related to a particular publication. Contact us for permission for any other redistribution; we will consider requests for free and commercial redistribution.

☐ **Citation: Cite the NHGIS data appropriately** (Required)

For information on proper citation refer to [citation and use](#). Publications and research reports making use of NHGIS should be added to our [Bibliography](#).

**DATA CART**

0 SOURCE TABLES  
0 TIME SERIES TABLES  
0 GIS FILES

[SHOW SELECTIONS](#)

[CONTINUE](#)

[FILTER](#) » [OPTIONS](#) » [REVIEW](#)

**APPLY FILTERS** [?](#)

[HOW TO USE THE DATA FINDER](#) 

GEOGRAPHIC LEVELS

YEARS

TOPICS


DATASETS

No filters selected.



## GEOGRAPHIC LEVELS






Selected geographic levels will be used as defaults when adding tables to the Data Cart. 

Dimmed choices are not available given your other filter selections.

## SELECTED GEOGRAPHIC LEVEL FILTERS

*No Geographic Level Filters have been selected*

SHOW COMPOUND GEOGRAPHIC LEVELS 


MOST POPULAR	NATION   Nation
ALL	STATE   State
STANDARD LARGE AREA UNITS	COUNTY   County (by State)
SMALL AREA STATISTICAL UNITS	CENSUS TRACT   Census Tract (by State--County)
PLACES / CITIES	BLOCK GROUP   Block Group (by State--County--Census Tract)
COUNTY SUBDIVISIONS	BLOCK   Block (by State--County--Census Tract)
METROPOLITAN AND URBAN / RURAL	COUNTY SUBDIVISION   County Subdivision (by State--County)
	PLACE   Place (by State)
	CONSOLIDATED CITY   Consolidated City (by State)

CANCEL


SUBMIT

## GEOGRAPHIC LEVELS




















Selected geographic levels will be used as defaults when adding tables to the Data Cart.   
Dimmed choices are not available given your other filter selections.

### SELECTED GEOGRAPHIC LEVEL FILTERS

☒  County (by State)

SHOW COMPOUND GEOGRAPHIC LEVELS 


MOST POPULAR	NATION   Nation
ALL	STATE   State
STANDARD LARGE AREA UNITS	COUNTY  <input checked="" type="checkbox"/> County (by State)
SMALL AREA STATISTICAL UNITS	CENSUS TRACT   Census Tract (by State--County)
PLACES / CITIES	BLOCK GROUP   Block Group (by State--County--Census Tract)
COUNTY SUBDIVISIONS	BLOCK   Block (by State--County--Census Tract)
METROPOLITAN AND URBAN / RURAL	COUNTY SUBDIVISION   County Subdivision (by State--County)
	PLACE   Place (by State)
	CONSOLIDATED CITY   Consolidated City

CANCEL

SUBMIT

*Note: no selection of specific geographies – pulls all data nationally for the unit selected.*

APPLY FILTERS ?

HOW TO USE THE DATA FINDER 

GEOGRAPHIC LEVELS 

COUNTY

YEARS

TOPICS

DATASETS

RESET FILTERS

...are those available given selections up here.

Tables down here...

SELECT DATA ?

33984 SOURCE TABLES








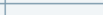







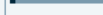












379 TIME SERIES TABLES

56 GIS FILES

PAGE 1 OF 1,700

20

VIEW 1 - 20 OF 33,984

	POPULARITY	TABLE NAME	UNIVERSE	CLASSIFICATIONS	YEAR - DATASET	BREAKDOWNS
		<a href="#">NT1. Total Population</a>	Persons		1790_cPop	
		<a href="#">NT2. Urban Population (Incorporated Places 2,500 and Over)</a>	Urban Persons (Incorporated Places 2,500 and Over)		1790_cPop	
		<a href="#">NT3. Urban Population in Cities of 25,000 and Over</a>	Urban Persons in Cities of 25,000 and Over		1790_cPop	
		<a href="#">NT4. White Males and Estimated White Females by Sex by Age</a>	White Persons	<a href="#">Age (2). Sex (2)</a>	1790_cPop	
		<a href="#">NT5. White Population by Sex</a>	White Persons	<a href="#">Sex (2)</a>	1790_cPop	
		<a href="#">NT6. Race/Slave Status</a>	Persons	<a href="#">Race (2). Slave Status (2)</a>	1790_cPop	
		<a href="#">NT9. Total Number of Families</a>	Families		1790_cPop	
		<a href="#">NT10. Number of Family Members</a>	Families	<a href="#">Family Size (1)</a>	1790_cPop	
		<a href="#">NT12. White Population by Nationality</a>	White Persons	<a href="#">Ancestry (8)</a>	1790_cPop	
		<a href="#">NT13. Families by Slaveholding Status</a>	Families	<a href="#">Slaveholding Status (2)</a>	1790_cPop	
		<a href="#">NT14. Families by Slaveholding Status by Race</a>	Families	<a href="#">Race (2). Slaveholding Status (2)</a>	1790_cPop	
		<a href="#">NT15. White Family Members by Slaveholding Status</a>	White Family Members	<a href="#">Slaveholding Status (2)</a>	1790_cPop	
		<a href="#">NT16. Average Number of Members in White Families by Slaveholding Status</a>	White Families	<a href="#">Slaveholding Status (2)</a>	1790_cPop	
		<a href="#">NT17. Percent of Families by Slaveholding Status by Race</a>	Families	<a href="#">Race (2). Slaveholding Status (2)</a>	1790_cPop	

Can't grab multiple variables at once.

## YEARS



Dimmed choices are not available given your other filter selections.

## DECENNIAL YEARS

- ☐ 2010
- ☐ 2000
- ☐ 1990
- ☐ 1980
- ☐ 1970
- ☐ 1960
- ☐ 1950
- ☐ 1940
- ☐ 1930
- ☐ 1920
- ☐ 1910
- ☐ 1900
- ☐ 1890
- ☐ 1880
- ☐ 1870
- ☐ 1860
- ☐ 1850
- ☐ 1840
- ☐ 1830
- ☐ 1820
- ☐ 1810
- ☐ 1800
- ☐ 1790

## NON-DECENNIAL YEARS

- |                               |                               |                               |                               |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| <input type="checkbox"/> 2017 | <input type="checkbox"/> 1989 | <input type="checkbox"/> 1963 | <input type="checkbox"/> 1936 |
| <input type="checkbox"/> 2016 | <input type="checkbox"/> 1988 | <input type="checkbox"/> 1962 | <input type="checkbox"/> 1935 |
| <input type="checkbox"/> 2015 | <input type="checkbox"/> 1987 | <input type="checkbox"/> 1961 | <input type="checkbox"/> 1934 |
| <input type="checkbox"/> 2014 | <input type="checkbox"/> 1986 | <input type="checkbox"/> 1959 | <input type="checkbox"/> 1933 |
| <input type="checkbox"/> 2013 | <input type="checkbox"/> 1985 | <input type="checkbox"/> 1958 | <input type="checkbox"/> 1932 |
| <input type="checkbox"/> 2012 | <input type="checkbox"/> 1984 | <input type="checkbox"/> 1957 | <input type="checkbox"/> 1931 |
| <input type="checkbox"/> 2011 | <input type="checkbox"/> 1983 | <input type="checkbox"/> 1956 | <input type="checkbox"/> 1929 |
| <input type="checkbox"/> 2009 | <input type="checkbox"/> 1982 | <input type="checkbox"/> 1955 | <input type="checkbox"/> 1928 |
| <input type="checkbox"/> 2007 | <input type="checkbox"/> 1981 | <input type="checkbox"/> 1954 | <input type="checkbox"/> 1927 |
| <input type="checkbox"/> 2006 | <input type="checkbox"/> 1979 | <input type="checkbox"/> 1953 | <input type="checkbox"/> 1926 |
| <input type="checkbox"/> 2005 | <input type="checkbox"/> 1978 | <input type="checkbox"/> 1952 | <input type="checkbox"/> 1925 |
| <input type="checkbox"/> 2004 | <input type="checkbox"/> 1977 | <input type="checkbox"/> 1951 | <input type="checkbox"/> 1924 |
| <input type="checkbox"/> 2003 | <input type="checkbox"/> 1976 | <input type="checkbox"/> 1949 | <input type="checkbox"/> 1923 |
| <input type="checkbox"/> 2002 | <input type="checkbox"/> 1975 | <input type="checkbox"/> 1948 | <input type="checkbox"/> 1922 |
| <input type="checkbox"/> 2001 | <input type="checkbox"/> 1974 | <input type="checkbox"/> 1947 | <input type="checkbox"/> 1921 |
| <input type="checkbox"/> 1999 | <input type="checkbox"/> 1973 | <input type="checkbox"/> 1946 | <input type="checkbox"/> 1919 |
| <input type="checkbox"/> 1998 | <input type="checkbox"/> 1972 | <input type="checkbox"/> 1945 | <input type="checkbox"/> 1918 |
| <input type="checkbox"/> 1997 | <input type="checkbox"/> 1971 | <input type="checkbox"/> 1944 | <input type="checkbox"/> 1917 |
| <input type="checkbox"/> 1996 | <input type="checkbox"/> 1969 | <input type="checkbox"/> 1943 | <input type="checkbox"/> 1916 |
| <input type="checkbox"/> 1995 | <input type="checkbox"/> 1968 | <input type="checkbox"/> 1942 | <input type="checkbox"/> 1915 |
| <input type="checkbox"/> 1994 | <input type="checkbox"/> 1967 | <input type="checkbox"/> 1941 | <input type="checkbox"/> 1914 |
| <input type="checkbox"/> 1993 | <input type="checkbox"/> 1966 | <input type="checkbox"/> 1939 |                               |
| <input type="checkbox"/> 1992 | <input type="checkbox"/> 1965 | <input type="checkbox"/> 1938 |                               |
| <input type="checkbox"/> 1991 | <input type="checkbox"/> 1964 | <input type="checkbox"/> 1937 |                               |

## 5-YEAR RANGES

- ☐ 2013-2017
- ☐ 2012-2016
- ☐ 2011-2015
- ☐ 2010-2014
- ☐ 2009-2013
- ☐ 2008-2012
- ☐ 2007-2011
- ☐ 2006-2010
- ☐ 2005-2009

## 3-YEAR RANGES

- ☐ 2011-2013
- ☐ 2010-2012
- ☐ 2009-2011
- ☐ 2008-2010

## SCHOOL YEARS

- ☐ School Year 2011-2012
- ☐ School Year 2010-2011
- ☐ School Year 2009-2010

## TOPICS



## SELECTED TOPIC FILTERS ?

Dimmed choices are not available given your other filter selections.

No Topic Filters have been selected

POPULATION	TABLE TOPIC FILTER ?
HOUSING	BREAKDOWN FILTER ?
AGRICULTURE	GENERAL
BUSINESS AND INDUSTRY	<input checked="" type="checkbox"/> Total Population
OTHER SUBJECTS	CORE DEMOGRAPHICS
TECHNICAL	<input checked="" type="checkbox"/> Age
	<input checked="" type="checkbox"/> Sex
	<input checked="" type="checkbox"/> Marriage
	Births and Fertility
	Deaths
	RACE, ETHNICITY, AND ORIGINS
	<input checked="" type="checkbox"/> Race
	<input checked="" type="checkbox"/> Hispanic Origin
	Ancestry
	<input checked="" type="checkbox"/> Nativity and Place of Birth
	Citizenship
	Year of Entry
	Language
	GEOGRAPHY
	<input checked="" type="checkbox"/> Urban, Rural, and Farm Status

CANCEL

SUBMIT

1 SOURCE TABLE  
0 TIME SERIES TABLES  
0 GIS FILES

SHOW SELECTIONS

CONTINUE

FILTER » OPTIONS » REVIEW

APPLY FILTERS ?

HOW TO USE THE DATA FINDER ?

**GEOGRAPHIC LEVELS** ✓ COUNTY

**YEARS** ✓ 2008-2010

**TOPICS** ✓ INCLUDES Race

**DATASETS**

RESET FILTERS

SELECT DATA ?

532 SOURCE TABLES 0 TIME SERIES TABLES 2 GIS FILES

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VIEW 1 - 20 OF 532

	POPULARITY	TABLE NAME	UNIVERSE	CLASSIFICATIONS	YEAR - DATASET	BREAKDOWNS
+		B01.001A. Sex by Age (White Alone)	People who are White alone	Age (14), Sex (2)	2008_2010_ACS3	Spatial
✓		C01.001A. Sex by Age (White Alone)	People who are White alone	Age (3), Sex (2)	2008_2010_ACS3	Spatial
+		B01.001B. Sex by Age (Black or African American Alone)	People who are Black or African American alone	Age (14), Sex (2)	2008_2010_ACS3	Spatial
+		C01.001B. Sex by Age (Black or African American Alone)	People who are Black or African American alone	Age (3), Sex (2)	2008_2010_ACS3	Spatial
+		B01.001C. Sex by Age (American Indian and Alaska Native Alone)	People who are American Indian and Alaska Native alone	Age (14), Sex (2)	2008_2010_ACS3	Spatial
+		C01.001C. Sex by Age (American Indian and Alaska Native Alone)	People who are American Indian and Alaska Native alone	Age (3), Sex (2)	2008_2010_ACS3	Spatial
+		B01.001D. Sex by Age (Asian Alone)	People who are Asian alone	Age (14), Sex (2)	2008_2010_ACS3	Spatial
+		C01.001D. Sex by Age (Asian Alone)	People who are Asian alone	Age (3), Sex (2)	2008_2010_ACS3	Spatial
+		B01.001E. Sex by Age (Native Hawaiian and Other Pacific Islander Alone)	People who are Native Hawaiian and Other Pacific Islander alone	Age (14), Sex (2)	2008_2010_ACS3	Spatial
+		C01.001E. Sex by Age (Native Hawaiian and Other Pacific Islander Alone)	People who are Native Hawaiian and Other Pacific Islander alone	Age (3), Sex (2)	2008_2010_ACS3	Spatial
+		B01.001F. Sex by Age (Some Other Race Alone)	People who are Some Other Race alone	Age (14), Sex (2)	2008_2010_ACS3	Spatial
+		C01.001F. Sex by Age (Some Other Race Alone)	People who are Some Other Race alone	Age (3), Sex (2)	2008_2010_ACS3	Spatial
+		B01.001G. Sex by Age (Two or More Races)	People who are Two or More Races	Age (14), Sex (2)	2008_2010_ACS3	Spatial
+		C01.001G. Sex by Age (Two or More Races)	People who are Two or More Races	Age (3), Sex (2)	2008_2010_ACS3	Spatial

DATA OPTIONS [?](#)

## SOURCE TABLES

[SELECT GEOGRAPHIC LEVELS](#)

DATASET	SELECTIONS			
	TABLES	GEOGRAPHIC LEVELS	BREAKDOWNS	YEARS
<a href="#">2010 American Community Survey: 3-Year Data [2008-2010]</a>	<a href="#">1 table</a>	<a href="#">1 of 23</a>	<a href="#">Spatial: 1 of 17</a>	<a href="#">1 of 1</a>

**REVIEW AND SUBMIT** ?**TABLE FILE STRUCTURE** ?

- ☒ Comma delimited (best for GIS)
  - ☐ Include additional descriptive header row (best for spreadsheets)
- ☐ Fixed width (best for statistical packages)

**SOURCE TABLES**

1 source table

**BREAKDOWN/DATA TYPE LAYOUT** ?

- ☒ Combine different breakdowns/data types into a single data file
- ☐ Separate different breakdowns/data types into distinct data files

**TIME SERIES TABLES**

None selected

**GIS FILES**

None selected


**DESCRIPTION** ?**SUBMIT**

Add a description to  
differentiate multiple  
queries

[CREATE ANOTHER EXTRACT](#)

## EXTRACTS HISTORY ?

NHGIS will send you an email when your data extract is ready to download. It may take a few minutes. Large requests may take longer.

EXTRACT NUMBER	DATE CREATED	DOWNLOAD TABLE DATA	DOWNLOAD GIS DATA	STATUS	REVISE EXTRACT	RESUBMIT	DESCRIPTION (CLICK TO EDIT)
10	2019-Feb-05			 in progress	<a href="#">revise</a>	<a href="#">resubmit</a>	-
9	2018-Nov-26			complete	<a href="#">revise</a>	<a href="#">resubmit</a>	Tom's teen data
8	2018-Sep-07			complete	<a href="#">revise</a>	<a href="#">resubmit</a>	tracts for income & race
7	2017-Mar-08			complete	<a href="#">revise</a>	<a href="#">resubmit</a>	-
6	2017-Jan-24			complete	<a href="#">revise</a>	<a href="#">resubmit</a>	-
5	2016-Apr-06			complete	<a href="#">revise</a>	<a href="#">resubmit</a>	by citizenship
4	2016-Apr-06			complete	<a href="#">revise</a>	<a href="#">resubmit</a>	-
3	2015-Sep-22			complete	<a href="#">revise</a>	<a href="#">resubmit</a>	-
2	2014-Oct-29			complete	<a href="#">revise</a>	<a href="#">resubmit</a>	-
1	2011-Oct-21			complete	<a href="#">revise</a>	<a href="#">resubmit</a>	-

Displaying **all 10** extract numbers

Documentation for NHGIS datasets is available [here](#).

Research using NHGIS data should cite it as:

Steven Manson, Jonathan Schroeder, David Van Riper, and Steven Ruggles. IPUMS National Historical Geographic Information System: Version 13.0 [Database]. Minneapolis: University of Minnesota. 2018. <http://doi.org/10.18128/D050.V13.0>

For policy briefs or articles in the popular press, we recommend that you cite the use of NHGIS data as follows:

IPUMS NHGIS, University of Minnesota, [www.nhgis.org](http://www.nhgis.org)

Research using data on school attendance areas (provided by the [SABINS project](#)) should cite the data as:

The College of William and Mary and the Minnesota Population Center. School Attendance Boundary Information System (SABINS): Version 1.0. Minneapolis, MN: University of Minnesota 2011.



Questions?

# Social Explorer

See Free Bit at <http://socialexplorer.com>

- User-friendly interface (watch for tabs, though)
- Data back to 1790
- Commercial (pay for access); free bit has limited data
- Touts all data in all years but not entirely everything – likely to have the most common variables and geographies
- Has separate interfaces for maps versus tables
- Map interface is easy but has less data than Tables one. Nice options for comparisons, though: side-by-side and swipe.

Explore Maps

Tables

My projects

+ Create new...

- My Maps
- My Reports

My Stories

Dictionary

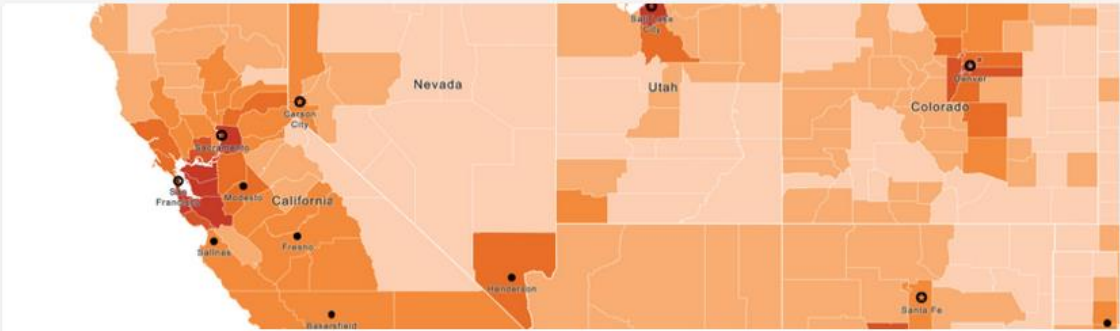
Documentation

Help

Blog

Website

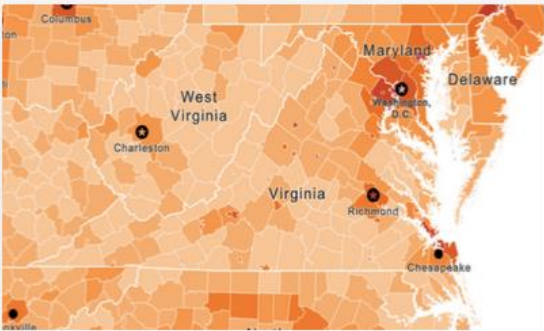
Privacy Policy



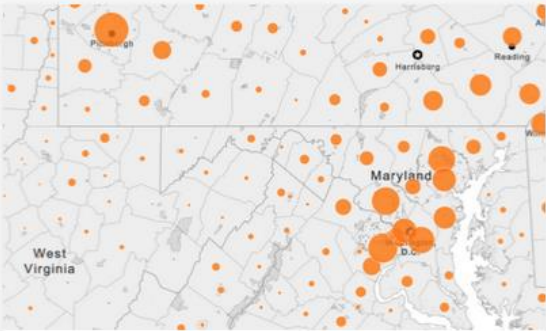
U.S. Demography

Explore 220 years of demographic data with over 200,000 socio-economic indicators between 1790 and the present. Includes all decennial censuses, American Community Surveys, and two religion surveys.

Explore > Try beta version >





U.S. Decennial Censuses on 2010 Geographies




U.S. Citizen Voting Age Population

Explore the Citizen Voting Age Population data from

 Explore Maps

 Tables

My projects

 Create new...

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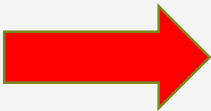


No reports yet

[Create report](#)



Select report you are interested in



U.S. Decennial Census	▼
American Community Surveys (5-Year Estimates) <small>NEW</small>	▼
American Community Surveys (3-Year Estimates)	▼
American Community Surveys (1-Year Estimates) <small>NEW</small>	▼
American Community Surveys (Supplemental Estimates)	▼
U.S. Citizen Voting Age Population Special Tabulation	▼
U.S. Census Comparability Data	▼
	▼



Select report you are interested in

## U.S. Decennial Census



## American Community Surveys (5-Year Estimates)

NEW



ACS 5-Year Estimates (available down to the Census Block Group geography) data plus Social Explorer tables which include easy reports with age, sex, race, Hispanic origin, household relationship, place of birth, education, employment status, income, tenure, cost and value of housing, year structure built and other data.

### American Community Survey (ACS) 2013--2017 (5-Year Estimates)

NEW

[Begin Report](#) >

### American Community Survey (ACS) 2012--2016 (5-Year Estimates)

[Begin Report](#) >

### American Community Survey (ACS) 2011--2015 (5-Year Estimates)

[Begin Report](#) >

### American Community Survey (ACS) 2010--2014 (5-Year Estimates)

[Begin Report](#) >

### American Community Survey (ACS) 2009--2013 (5-Year Estimates)

[Begin Report](#) >

### American Community Survey (ACS) 2008--2012 (5-Year Estimates)

[Begin Report](#) >



## ACS 2017 (5-Year Estimates)

[Choose survey/year](#) ▶ [Geographies](#) ▶ [Tables](#) ▶ [Results](#)

List Geographies

FIPS Codes

Select a geographic type: [\(Show all geographies\)](#)

010 Nation

Select one or more geographic areas and click 'add':

United States

Add ▼

Remove ▲

Current Geography Selections:

# ACS 2017 (5-Year Estimates)

Choose survey/year ▶ Geographies ▶ Tables ▶ Results

List Geographies

FIPS Codes

Select a geographic type: [\(Show all geographies\)](#)

010 Nation

010 Nation

020 Region

030 Division

040 State

050 ..... County

060 ..... County Subdivision

067 ..... Subminor Civil Division (In Puerto Rico Only)

070 ..... Place/Remainder

140 ..... Census Tract

150 ..... Block Group

160 ..... Place

155 ..... County

170 ..... Consolidated City

172 ..... Place Within Consolidated City

280 ..... American Indian Area/Alaska Native Area/Hawaiian Home Land

283 ..... American Indian Area/Alaska Native Area (Reservation or Statistical Entity Only)

286 ..... American Indian Area (Off-Reservation Trust Land Only)/Hawaiian Home Land

320 ..... Metropolitan Statistical Area/Micropolitan Statistical Area

321 ..... Principal City

322 ..... County



## ACS 2017 (5-Year Estimates)

[Choose survey/year](#) ▶ [Geographies](#) ▶ [Tables](#) ▶ [Results](#)

List Geographies

FIPS Codes

Select a geographic type: [\(Show all geographies\)](#)

050 ..... County

Select a State:

North Carolina

Select one or more geographic areas and click 'add':

All counties  
All counties in North Carolina  
  
===== Individual Counties =====  
Alamance County, North Carolina  
Alexander County, North Carolina  
Alleghany County, North Carolina  
Anson County, North Carolina  
Ashe County, North Carolina

Add ▼

Remove ▲

Current Geography Selections:

Note these two options →

050 ..... County

Select a State:

North Carolina

Select one or more geographic areas and click 'add':

All counties  
All counties in North Carolina

===== Individual Counties =====

Alamance County, North Carolina  
Alexander County, North Carolina  
Alleghany County, North Carolina  
Anson County, North Carolina  
Ashe County, North Carolina

Add ▼

Remove ▲

Current Geography Selections:

===== County - 050 =====  
All counties in North Carolina

Proceed to Tables ►

## ACS 2017 (5-Year Estimates)

[Choose survey/year](#) ▶ [Geographies](#) ▶ [Tables](#) ▶ [Results](#)

List Tables

Search by Keyword

Premade Reports

Select a dataset:

Social Explorer Tables: ACS 2017 (5-Year Estimates)

Select one or more tables and click 'add':

T1. Total Population  
T2. Population Density (Per Sq. Mile)  
T3. Land Area (Sq. Miles)  
T4. Sex  
T5. Sex by Age  
T5A. Sex by Age - Cumulative (Less)  
T5B. Sex by Age - Cumulative (More)  
T6. Sex by Age (Collapsed Version)  
T7. Age  
T7A. Age - Cumulative (Less)  
T7B. Age - Cumulative (More)  
T8. Age (Detailed Version)  
T8A. Age (Detailed Version) - Cumulative (Less)

Abbreviations: **AIAN** - American Indian and Alaska Native; **NHPI** - Native Hawaiian and Other Pacific Islander

Add ▼

Remove ▲

Current Table Selections:

# ACS 2017 (5-Year Estimates)

[Choose survey/year](#) ▶ [Geographies](#) ▶ [Tables](#) ▶ [Results](#)

Report

Excel

Data Download

Geographies 1 - 5 of 101 [Next >>](#)

Tables per page: 10 tables ▼

Geos per page: 5 items ▼

Statistics	Alamance County, North Carolina			Alexander County, North Carolina			Alleghany County, North Carolina			Anson County, North Carolina			Ashe County, North Carolina		
ACS17_5yr:B02001. Race															
	Estimate		Std. Error	Estimate		Std. Error	Estimate		Std. Error	Estimate		Std. Error	Estimate		Std. Error
Total	157,844		0	37,159		0	10,935		0	25,531		0	26,833		0
White Alone	111,229	70.5%	725.45	32,705	88.0%	133.94	10,042	91.8%	131.52	12,257	48.0%	81.82	25,460	94.9%	164.24
Black or African American Alone	29,972	19.0%	247.88	2,187	5.9%	110.91	266	2.4%	50.30	12,417	48.6%	72.73	210	0.8%	17.58
American Indian and Alaska Native Alone	551	0.4%	116.36	82	0.2%	44.85	208	1.9%	133.33	89	0.4%	29.09	97	0.4%	23.03
Asian Alone	2,378	1.5%	130.91	428	1.2%	10.91	22	0.2%	21.21	303	1.2%	13.33	114	0.4%	31.52
Native Hawaiian and Other Pacific Islander Alone	67	0%	13.94	28	0.1%	26.67	2	0%	2.42	12	0.1%	13.94	9	0%	8.48
Some Other Race Alone	9,594	6.1%	757.58	1,286	3.5%	141.21	315	2.9%	140.00	156	0.6%	74.55	569	2.1%	149.09
Two or More Races	4,053	2.6%	377.58	443	1.2%	116.36	80	0.7%	39.39	297	1.2%	66.67	374	1.4%	81.21
Two Races Including Some Other Race	684	0.4%	160.61	25	0.1%	15.76	18	0.2%	18.79	20	0.1%	21.82	131	0.5%	53.33
Two Races Excluding Some Other Race, and Three or More Races	3,369	2.1%	310.91	418	1.1%	115.76	62	0.6%	31.52	277	1.1%	63.64	243	0.9%	58.18

For documentation and detailed source information click on a table title. All percents are taken against table universe which is the first row in each table.

# ACS 2017 (5-Year Estimates)

[Choose survey/year](#) ▶ [Geographies](#) ▶ [Tables](#) ▶ [Results](#)

[Report](#)[Excel](#)[Data Download](#)


Download data in CSV format. CSV stands for Comma Separated Values, and it is a highly portable format that can be read by many software programs including many statistical packages, databases, spreadsheets and GIS applications. You can also open these files directly in Microsoft Excel or import the data into Microsoft Access. Encoding: Western Latin-1 (ISO-8859-1).

Please set options before you download any data or import programs (these options affect both).

## Output options:

- ☐ TAB delimited files (STATA users should use this option to make import more efficient & accurate!)
- ☐ Output column labels in the first row
- ☐ Output ALL geographic identifiers
- ☐ Output percents (first variable in each table is the base)
- ☐ Output DBF friendly column names

## Download data by geography type:

 [County data \(CSV\)](#)

Summary Level: 050

Geography Nesting: **State-County**

Selected: 100

## Download programs to import and label data:

 [SAS](#)

 [SPSS](#)

 [STATA](#)  [STATA](#)  [STATA](#)  [STATA](#)  [STATA](#)  [STATA](#)  [STATA](#)  [STATA](#)  [STATA](#)  [STATA](#)  [STATA](#)  [STATA](#)  [STATA](#)

Questions?

# SimplyAnalytics

Free to NC at <https://www.nclive.org/>

- Complicated interface takes some exploration – use the intro video!
- Data only back to 1980
- Commercial (pay for access); may have to request a trial to see interface if not in NC
- Mainly oriented toward maps but can generate tables at the end
- Beware of synthesized data, e.g., block-level data for ACS
- Useful if need to map business locations, and has far more than just Census data
- Nice features like a radius search but complexities are not explained



*SimplyAnalytics is a mapping, analytics, and data visualization application that makes it easy for anyone to create interactive maps and reports using thousands of demographic, business, and marketing variables.*

Welcome to the **UNC Chapel Hill**  
SimplyAnalytics account.

---

*For customer support, please email [support@simplyanalytics.com](mailto:support@simplyanalytics.com).*

☒ Sign in with your account

*(All of your work will be saved)*

Email address:

michele\_hayslett@unc.edu

Password:

••••••••

Don't have an account? [Create an account](#)

Forgot your password? [Reset your password](#)

☐ Sign in as a guest

*(Your work will not be saved)*

Sign In



- Popular Data
- Population
- Age
- Gender
- Race & Ethnicity
- Income
- Education
- Jobs & Employment
- Poverty
- Language
- Ancestry
- Households

## Welcome to SimplyAnalytics

Please add some locations, data variables, and businesses to your project using the three tabs on the left. After you add at least one location and one variable we will automatically create some data. If you have any questions or issues please click on the support button at the top of the page.

- Live Chat (Offline)
- Help Center
- Contact Support
- Data Documentation
- Replay Tutorial
- Intro to SimplyAnalytics (5:12)

SimplyAnalytics

Locations Data Businesses

Data Search

BROWSE BY CATEGORY

- Popular Data
- Population**
- Age
- Gender
- Race & Ethnicity
- Income
- Education
- Jobs & Employment
- Poverty
- Language
- Ancestry
- Households
- Family Type & Marital Status

Current Project:  
New Project

1469 results for

Population

Year = Latest

CATEGORY

- ☐ Popular Data (10)
- ☒ Population (1469)
- ☐ Age (1111)
- ☐ Gender (965)
- ☐ Race & Ethnicity (918)
- ☐ Poverty (2)
- ☐ Households (4)
- ☐ Family Type & Marital Status (28)
- ☐ Consumer Behavior (18)

POPULATION

- ☐ Citizenship (6)
- ☐ In Group Quarters (135)
- ☐ Religion (18)
- ☐ Veterans (66)

CHILDREN

- ☐ Children (367)

GENDER

- ☐ Female (482)
- ☐ Male (483)

RACE

- ☐ American Indian (114)
- ☐ Asian (114)
- ☐ Asian/Pacific Islander (4)
- ☐ Black (114)
- ☐ Other (112)

Filter

☒ Group Related Data

CENSUS DATA » PEOPLE AND HOUSEHOLDS » POPULATION  
» TOTAL

# Population

Population Density (per sq. mile)

# Urban Population

% Urban Population

# Rural Population

% Rural Population

# Male Population

% Male Population

# Female Population

% Female Population

# Household Population

# Non-Family Population

% Non-Family Population

CENSUS DATA » PEOPLE AND HOUSEHOLDS » POPULATION  
» POVERTY

SimplyAnalytics

Locations

Data

Businesses

Data Search

BROWSE BY CATEGORY

Popular Data

Population

Age

Gender

Race & Ethnicity

Income

Education

Jobs & Employment

Poverty

Language

Ancestry

Households

Family Type & Marital Status

Current Project: New Project

1469 results for Population Year = Latest

0 25 50 75 100

DATA TYPE

☐ average (1)

☐ count (737)

☐ percent (731)

YEAR

CURRENT AND RECENT

☒ Latest (1469)

☐ 2018 (1110)

☐ 2017 (1130)

☐ 2016 (1130)

☐ 2015 (1130)

...more

PROJECTIONS

☐ 2023 (1112)

☐ 2022 (1112)

☐ 2021 (1110)

☐ 2020 (1110)

HISTORICAL

☐ 2000 (488)

☐ 1990 (169)

☐ 1980 (11)

VENDORS & DATA SETS

☐ EASI (1109)

☐ Business Counts US (0)

☐ Census US (1109)

☐ Consumer Expenditure US (0)

☐ Life Stage Clusters US (0)

Filter

☒ Group Related Data

CENSUS DATA » PEOPLE AND HOUSEHOLDS » POPULATION » TOTAL

# Population

Population Density (per sq. mile)

# Urban Population

% Urban Population

# Rural Population

% Rural Population

# Male Population

% Male Population

# Female Population

% Female Population

# Household Population

# Non-Family Population

% Non-Family Population

CENSUS DATA » PEOPLE AND HOUSEHOLDS » POPULATION » POVERTY

## Welcome to SimplyAnalytics

New View +

CUSTOM

Search for a State, Congress. Dist., County, City, Zip Code, Census Tract, Block Group, or Address



View your custom locations



Create new radius location



Create new combination location



variables, and businesses to your project using the three tabs on the left. After you add at least one location and one variable we will automatically create some maps and reports for you. If you have any questions or issues please click on the support button at the top of the page.

SimplyAnalytics

Locations

Data

Businesses

Location Search

CUSTOM LOCATIONS

View your custom locations

Create new radius location

Create new combination location

Current Project:  
New Project

New Project

Open Project

Manage Project

Support

michele\_hayslett@unc.edu

# Population, 2018

in Charlotte, NC

by Zip Codes

Filtering

View Actions

Export

Auto - Zip Codes

States

Congress. Dist.

Counties

Cities

Zip Codes

Census Tracts

Block Groups

LEGEND

Map Center  
28207, Charlotte, NC

# Population, 2018 by  
Zip Codes

0 - 545

546 - 1,624

1,625 - 4,950

4,951 - 17,968

17,969 - 115,988

Edit

Comparison Table

Map

Ranking

SimplyAnalytics

<<

Locations

Data

Businesses

Location Search

🕒

CUSTOM LOCATIONS

Hide

View your custom locations

>

Create new radius location

>

Create new combination location

>

Current Project:

New Project

New Project

Open Project

Manage Project

Support

michele\_hayslett@unc.edu

Filtering

View Actions

Export

	Charlotte, NC	USA
# Population, 2018	859,584	326,881,190

New View +

Comparison Table

Map

Ranking

Comparison Table 2



Locations



Data



Businesses



Business Search



Use advanced search &gt;

Browse business categories &gt;

Industry Classification System

SIC



NAICS



Search NAICS codes



## CATEGORIES

Count

11	Agriculture, Forestry, Fishing and Hunting	3,121
21	Mining, Quarrying, and Oil and Gas Extraction	157
22	Utilities	137
23	Construction	10,033
31	Manufacturing	39,008
32	Manufacturing	3,926
33	Manufacturing	6,865
42	Wholesale Trade	38,180
44	Retail Trade	1,352,260
45	Retail Trade	439,618
48	Transportation and Warehousing	21,129
49	Transportation and Warehousing	28,577
51	Information	41,841
52	Finance and Insurance	138,891
53	Real Estate and Rental and Leasing	54,258
54	Professional, Scientific, and Technical Services	86,641
55	Management of Companies and Enterprises	193
56	Administrative and Support and Waste Management and Remediation Services	56,047
61	Educational Services	106,760



Locations



Data



Businesses

Business Search



Use advanced search &gt;

Browse business categories &gt;

Industry Classification System SIC ☒ NAICS

Search NAICS codes



CATEGORIES &gt; 44 RETAIL TRADE



Count

4411	Automobile Dealers	109,147
4412	Other Motor Vehicle Dealers	26,909
4413	Automotive Parts, Accessories, and Tire Stores	77,894
4421	Furniture Stores	50,561
4422	Home Furnishings Stores	84,389
4431	Electronics and Appliance Stores	73,974
4441	Building Material and Supplies Dealers	91,331
4442	Lawn and Garden Equipment and Supplies Stores	19,823
4451	Grocery Stores	187,143
4452	Specialty Food Stores	103,055
4453	Beer, Wine, and Liquor Stores	40,076
4461	Health and Personal Care Stores	125,911
4471	Gasoline Stations	82,201
4481	Clothing Stores	203,724
4482	Shoe Stores	27,629
4483	Jewelry, Luggage, and Leather Goods Stores	48,493





Locations



Data



Businesses



Business Search



Use advanced search



Browse business categories



Industry Classification System

SIC



NAICS



Search NAICS codes



CATEGORIES &gt; 44 RETAIL TRADE &gt; 4451 GROCERY STORES

Count

445110 Supermarkets and Other Grocery (except Convenience) Stores

121,379

445120 Convenience Stores

65,764

SimplyAnalytics

Locations

Data

Businesses

Business Search

Use advanced search

Browse business categories

Current Project:  
New Project

New Project

Open Project

Manage Project

Support

michele\_hayslett@unc.edu

338 results for

NAICS = 445110, Supermarkets and Other Grocery (except Convenience) Stores

in

Charlotte, NC

View Actions

Export

	Company Name	Business Name	Street Address	City	State Abbreviation	Zip Code	Telephone Number	Line of Business	Latitude	Longitude	Primary NAICS	Primary SIC
1	1550 BAYSHORE CORP.	COMPARE FOODS	3112 MILTON RD	CHARLOTTE	NC	282155526	7047161009	RET GROCERIES	35.23677	-80.736621	445110	54110100
2	15TH STREET PROPERTIES INC		517 E 18TH ST	CHARLOTTE	NC	282063414		RET GROCERIES	35.234577	-80.822761	445110	54119902
3	201 ARROWOOD FOODS, LLC	COMPARE FOOD EXPRESS	201 W ARROWOOD RD	CHARLOTTE	NC	282174054	7045227100	RET GROCERIES	35.135127	-80.893857	445110	54110000
4	201 CENTRAL		13108 EASTFIELD RD	HUNTERSVILLE	NC	280786625		RET GROCERIES	35.385606	-80.785321	445110	54110000
5	2 KIM ANH ORIENTAL GROCERIES & GIFTS INC.		3615 WHITEHALL PARK DR	CHARLOTTE	NC	282734138		RET GROCERIES	35.152668	-80.950644	445110	54110000
6	500 FOODS, LLC	COMPARE FOODS	818 E ARROWOOD RD	CHARLOTTE	NC	282175811	7047161170	RET GROCERIES	35.137656	-80.877885	445110	54110103
7	550 FOODS, LLC	COMPARE FOODS MILTON	3112 MILTON RD	CHARLOTTE	NC	282155526	7047161009	RET GROCERIES	35.23677	-80.736621	445110	54110000
8	740 FOOD LLC		8734 ROYAL BLUFF DR	CHARLOTTE	NC	282692017		RET GROCERIES	35.348201	-80.810728	445110	54110000
9	740 FOOD, LLC		7012 ALBEMARLE RD	CHARLOTTE	NC	282278123	7045372081	RET GROCERIES	35.2031	-80.723745	445110	54110100
10	7-ELEVEN		923 S KINGS DR	CHARLOTTE	NC	282043051	7043327262	RET GROCERIES	35.20601	-80.836074	445110	54110000
11	A&A INTERNATIONAL FOOD		1636 SARDIS RD N STE 110	CHARLOTTE	NC	282702547	7048448888	RET GROCERIES	35.139202	-80.737538	445110	54110000
12	ADAMS 7TH ST MARKET		401 HAWTHORNE LN STE 100	CHARLOTTE	NC	282042358	7043340001	RET GROCERIES	35.21592	-80.822015	445110	54119902
13	ADMIRAL FOOD LLC		4300 N TRYON ST	CHARLOTTE	NC	282136919		RET GROCERIES	35.258291	-80.794494	445110	54110000
14	AFRICAN HERITAGE MARKET		12334 HAMPTON PLACE DR	CHARLOTTE	NC	282695233	7044888331	RET GROCERIES	35.361577	-80.792178	445110	54110000

New View +

Comparison Table

Map

Ranking

Comparison Table 2

Businesses

Questions?

# PolicyMap

<https://www.policymap.com/>

- Interface takes some orientation; hard to tell where all the Census data are
- Focuses on current data; history only to 2000
- Commercial (pay for access); may have to request a trial to see interface
- Mainly maps but can generate tables for most data (not 3<sup>rd</sup> party-sourced tables, and it's hard to tell which those are)
- Wide variety of data, much from government agencies, some locally contributed. Can add in your own data.
- 3-Layer Maps can be tricky to figure out. Options to map layers versus points not necessarily intuitive.



Uploaded Data

Demographics

Incomes & Spending

Housing

Lending

Quality of Life

Economy

Education

Health

Federal Guidelines

Analytics

DATA LAYERS

DATA POINTS

Population

- Total
- Population Density
- Race**
- Ethnicity
- Diversity
- Age
- Sex
- People with Disabilities
- Veterans
- Language
- Foreign Born
- Immigration
- Migration
- Homelessness

Race

- White
- Non-White
- Black
- Asian**
- American Indian and Alaskan Native
- Native Hawaiian and Other Pacific Islander
- Some Other Race
- Two or More Races

Predominant Race/Ethnicity

Predominant Race/Ethnicity

Asian

- All
- Chinese
- Indian
- Filipino
- Vietnamese**
- Korean
- Japanese
- Pakistani
- Hmong
- Cambodian
- Laotian
- Thai
- Taiwanese
- Bangladeshi



QUICK MAPS

How has the population changed between 2000 and 2010?

Where are concentrations of 'foreign born' populations?

Want more Data?



Estimated percent of people who are Asian Vietnamese or of Vietnamese descent between 2013-2017.

DATA LAYER

Percent Population Asian Vietnamese  
Source: Census

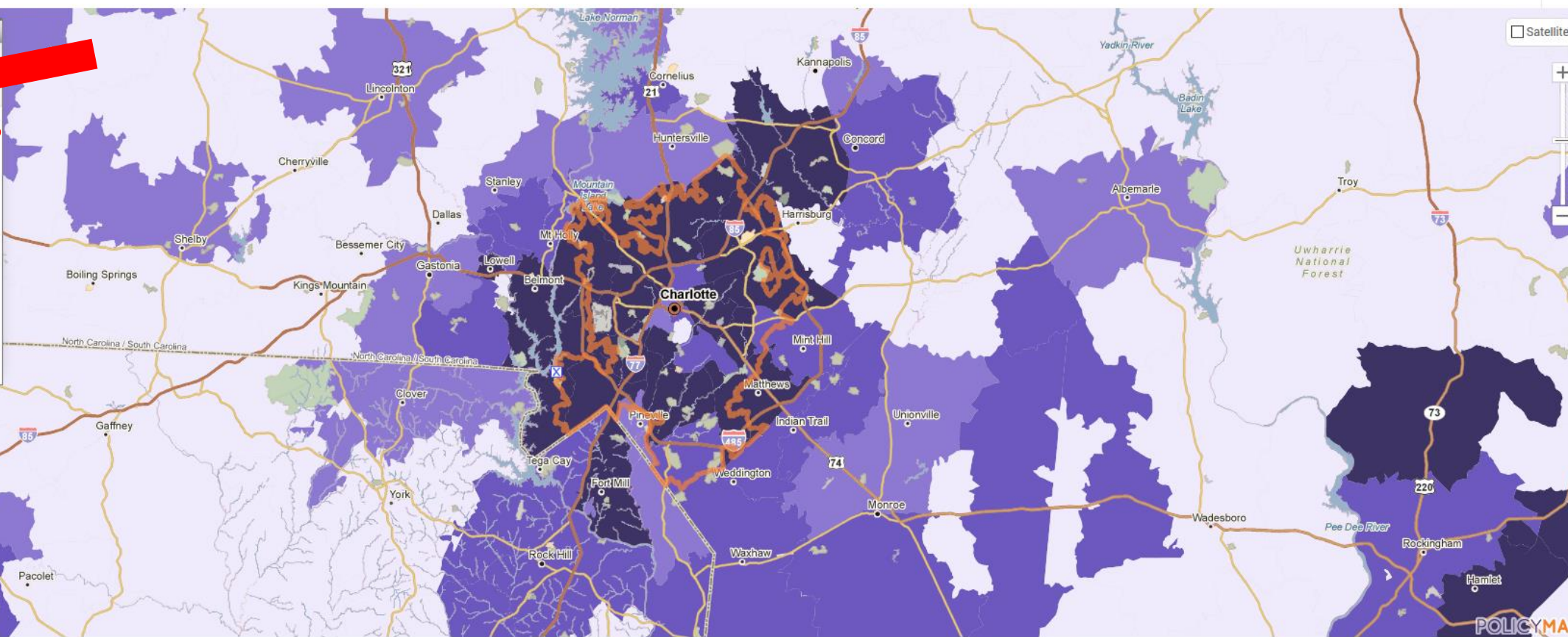
Year: 2013-2017

Variable: Percent

Shaded by: Zip Code Tabulation...

EDIT: COLORS RANGES

Insufficient Data
0.01% or less
0.02%
0.03% - 0.16%
0.17% - 0.52%
0.53% or more



## Summary

- AFF – best for current; complete variables and geographies
- Social Explorer – easiest to use; greatest history (with NHGIS)
- NHGIS – best for history and getting lots of geographies at once
- SimplyAnalytics – the most available for NC; a little more history than AFF; wider variety of data than just Census
- PolicyMap – easy to use; wide variety of data beyond just Census



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# OnTheMap

<https://onthemap.ces.census.gov/>

- A free mapping tool from the Census Bureau's *Economic Programs*
- Interface takes some orientation
- Recent program; history only to early 2000s
- Mainly maps; get tables from LEHD Home link at top right
- Combines Census data with states' ESC data. Can add in your own data.
- Data available will vary by state—since MOUs had to be established with each state individually, start date is different for most. (NC was a pilot state.)

# Questions OnTheMap Can Answer

- Where do young workers live who are employed in a specific geographic area?  
>>Area Profile Analysis
- Where are the workplace destinations for workers living in a particular community or neighborhood? >>Destination Analysis
- How do specific employment areas compare in terms of worker origin patterns, worker ages, monthly earnings, and industry-sector employment? How are these areas changing over time and among different demographics? >>Area Comparison Analysis
- What percentage of low-wage workers live and work within a city, versus those who commute to a nearby city? >>Inflow/Outflow Analysis
- How many workers that earn \$1,250 or less a month live along a transit corridor and work downtown or in some other area along the same corridor? >>Distance & Direction Analysis
- How many potential customers/employees live or work near a candidate site location? >>Paired Area Analysis

See documentation at  
<https://bit.ly/2GpPkYf>  
for explanation of  
various reports

Microdata

## Comparison Table – Microdata

(Notes on slide 59)

Tool	Decennial/ ACS	Aggregate/ Microdata <sup>1</sup>	Current/ Historical	Ease of Use <sup>2</sup>	Ownership
<a href="#">DataFerrett</a>	Both + many more	Both	Current (mostly)	Hard	Government
<a href="#">Federal Statistical RDCs</a> <sup>1</sup>	Both + many more	Microdata	Both	Impossible, only available to faculty	Government
<a href="#">IPUMS</a> <sup>2</sup>	Both + many more	Microdata	Both	Hard	Non-profit
<a href="#">Terra</a> <sup>2</sup> (TerraScope)	Both + many more	Both	Both	Medium	Non-profit

## Comparison Table – Microdata

(Notes on slide 59)

Tool	Tables/Maps	Online?	Register?	Bulk Download	Application Time
<a href="#">DataFerrett</a>	Tables	Yes but need to install applet	Yes, just enter email	Yes	N/A
<a href="#">Federal Statistical RDCs</a> <sup>1</sup>	Really oriented toward Models	No	Yes, major application	No	6 – 12 months
<a href="#">IPUMS</a> <sup>2</sup>	Tables	Yes, or request data extract	Yes and submit research purpose	Yes	Quick, few hours to couple days
<a href="#">Terra</a> <sup>2</sup> (TerraScope)	Tables; download vector files	Yes	Yes	Yes	Quick, few hours to couple days

# Notes

1. Federal Statistical Research Data Centers
2. IPUMS, NHGIS and Terra are all products of the UMN Population Center.

# IPUMS USA

<https://usa.ipums.org/usa/>

- Grant-funded project from UMN Pop Ctr
- Offers microdata, so researchers have great flexibility in creating their own tabulations
- Have to register, but free
- Interface not entirely intuitive
- Processes data requests off-line (asynchronously) so good for big downloads



# IPUMS TERRA

<https://usa.ipums.org/usa/>

- Grant-funded project from UMN Pop Ctr
- Offers microdata, so researchers have great flexibility in creating their own tabulations
- Have to register, but free
- Interface not entirely intuitive
- Allows researchers to combine raster (GIS), environmental and Census data
- Provides international Census data as well as U.S., but availability varies by country and year, and only has largest couple geographies.

# DataFerret

<https://dataferrett.census.gov/>

- Census tool created in 1995
- Enables custom cross-tabulations with PUMS microdata but also has aggregate Census data, Current Population Survey\* data and data from other surveys.
- Not simple; often takes experimentation to create the table wanted
- Will eventually also be incorporated into data.census.gov

*\* Easier tool for CPS is CPS Table Creator*

# Federal Statistical Research Data Centers

<https://www.census.gov/about/adrm/fsrdc/locations.html>

- 29 secure data vaults across the country
- Must apply to use; only available to faculty, not grad students
- Used to be only Census data but now offer many datasets from a variety federal agencies
- Seat is \$15,000 unless researcher is affiliated with a member institution
- Some data (Census data) require a background check as part of the application procedure, and swearing in as temporary Census Bureau employee.