



THE American Community Survey

U.S. DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. CENSUS BUREAU

This booklet shows the content of the American Community Survey questionnaire.

Start Here

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

OR

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

This form asks for information about the people who are living or staying at the address on the mailing label and about the house, apartment, or mobile home located at the address on the mailing label.



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

Telephone Device for the Deaf (TDD):
Call 1-800-582-8330. The telephone call is free.

¿NECESITA AYUDA? Si usted habla español y necesita ayuda para completar su cuestionario, llame sin cargo alguno al **1-877-833-5625**. Usted también puede completar su entrevista por teléfono con un entrevistador que habla español. O puede responder por Internet en: <https://respond.census.gov/acs>

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

➔ Please print today's date.

Month Day Year

➔ 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, 3, and 4 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(INFO)(2017)**
(03-14-2016)

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



Data Details

Ari Lamstein

Course Outline


1. Introduction
2. Choroplethr Basics
3. Variables and Vintages
4. Data Details
5. Learning More

Data Details

- Introduction to the ACS
- Choosing a Span
- Introduction to Tables
- Getting Specific Tables
- Getting Margin of Error

13197017


U.S. DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. CENSUS BUREAU

 **THE American Community Survey**

This booklet shows the content of the American Community Survey questionnaire.

Start Here
Respond online today at:
<https://respond.census.gov/acs>
OR
Complete this form and mail it back as soon as possible.

This form asks for information about the people who are living or staying at the address on the mailing label and about the house, apartment, or mobile home located at the address on the mailing label.

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

Telephone Device for the Deaf (TDD):
Call 1-800-582-8330. The telephone call is free.

¿NECESITA AYUDA? Si usted habla español y necesita ayuda para completar su cuestionario, llame sin cargo alguno al **1-877-833-5625**. Usted también puede completar su entrevista por teléfono con un entrevistador que habla español. O puede responder por Internet en: <https://respond.census.gov/acs>

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

Please print today's date.
Month Day Year


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, 3, and 4 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(INFO)(2017)**
(03-14-2016)

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



The “Decennial Census”

- Complete enumeration
- Done every ten years
- First done in 1790

The Return for SOUTH CAROLINA having been made since the foregoing Schedule was originally printed, the whole Enumeration is here given complete, except for the N. Western Territory, of which no Return has yet been published.


DISTRICTS	Free white Males of 16 years and upwards, including heads of families.	Free white Males under sixteen years.	Free white Females, including heads of families.	All other free persons.	Slaves.	Total.
Vermont	22435	22328	40505	255	16	85539
N. Hampshire	36086	34851	70160	630	158	141885
Maine	24384	24748	46870	538	NONE	96540
Massachusetts	95453	87289	190582	5463	NONE	378787
Rhode Island	16019	15799	32652	3407	948	68825
Connecticut	60523	54403	117448	2808	2764	237946
New York	83700	78122	152320	4654	21324	340120
New Jersey	45251	41416	83287	2762	11423	184139
Pennsylvania	110788	106948	206363	6537	3737	434373
Delaware	11783	12143	22384	3899	8887	59094
Maryland	55915	51339	101395	8043	103036	319728
Virginia	110936	116135	215046	12866	292627	747610
Kentucky	15154	17057	28922	114	12430	73677
N. Carolina	69988	77506	140710	4975	100572	393751
S. Carolina	35576	37722	66880	1801	107094	249073
Georgia	13103	14044	25739	398	29264	82548
	807094	791850	1541263	59150	694280	3893635
Total number of Inhabitants of the United States exclusive of S. Western and N. Territory.	Free white Males of 21 years and upwards.	Free Males under 21 years of age.	Free white Females.	All other free persons.	Slaves.	Total
S. W. territory	6271	10277	15365	361	3417	35691
N. Ditto	—	—	—	—	—	—

The American Community Survey (ACS)

- Results published annually
- Started in 2005
- Samples ~295,000 households each month

13197017


U.S. DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. CENSUS BUREAU

 **THE American Community Survey**

This booklet shows the content of the American Community Survey questionnaire.

Start Here
Respond online today at:
<https://respond.census.gov/acs>
OR
Complete this form and mail it back as soon as possible.

This form asks for information about the people who are living or staying at the address on the mailing label and about the house, apartment, or mobile home located at the address on the mailing label.

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

Telephone Device for the Deaf (TDD):
Call 1-800-582-8330. The telephone call is free.

¿NECESITA AYUDA? Si usted habla español y necesita ayuda para completar su cuestionario, llame sin cargo alguno al **1-877-833-5625**. Usted también puede completar su entrevista por teléfono con un entrevistador que habla español. O puede responder por Internet en: <https://respond.census.gov/acs>

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

Please print today's date.
Month Day Year

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, 3, and 4 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(INFO)(2017)**
(03-14-2016)

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

Implications of Sampling


- Values are **estimates**
- Each estimate has a **margin of error**
- Estimates for **low-population regions** (e.g. rural counties, census tracts) tend to have higher margins of error

Data Details

- Introduction to the ACS
- Choosing a Span
- Introduction to Tables
- Getting Specific Tables
- Getting Margin of Error

13197017


U.S. DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. CENSUS BUREAU

 **THE American Community Survey**

This booklet shows the content of the American Community Survey questionnaire.

Start Here
Respond online today at:
<https://respond.census.gov/acs>
OR
Complete this form and mail it back as soon as possible.

This form asks for information about the people who are living or staying at the address on the mailing label and about the house, apartment, or mobile home located at the address on the mailing label.

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

Telephone Device for the Deaf (TDD):
Call 1-800-582-8330. The telephone call is free.

¿NECESITA AYUDA? Si usted habla español y necesita ayuda para completar su cuestionario, llame sin cargo alguno al **1-877-833-5625**. Usted también puede completar su entrevista por teléfono con un entrevistador que habla español. O puede responder por Internet en: <https://respond.census.gov/acs>

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


Please print today's date.
Month Day Year

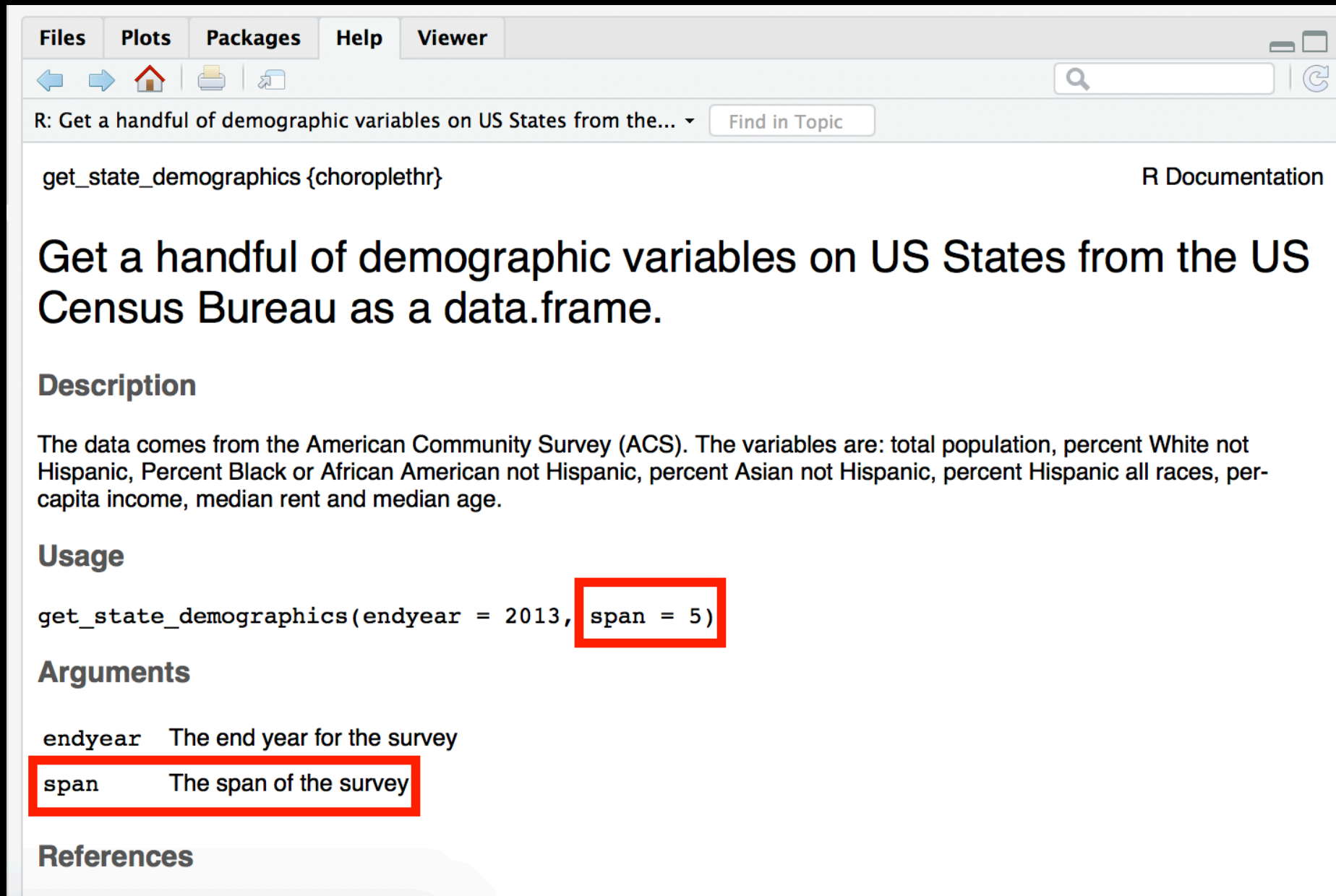
Please print the name and telephone number of the person who is filling out this form. We will only contact you if needed for official Census Bureau business.
Last Name
First Name MI
Area Code + Number -

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, 3, and 4 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(INFO)(2017)** (03-14-2016) OMB No. 0607-0810
OMB No. 0607-0936





The screenshot shows the R documentation for the `get_state_demographics` function from the `choroplethr` package. The interface includes a menu bar (Files, Plots, Packages, Help, Viewer) and a toolbar with navigation icons. The title bar indicates the topic is "R: Get a handful of demographic variables on US States from the...". The main content area displays the function name, a brief description, and usage examples. The `span` argument is highlighted in red in both the usage example and the arguments list.

Files Plots Packages Help Viewer

R: Get a handful of demographic variables on US States from the... Find in Topic

`get_state_demographics {choroplethr}` R Documentation

Get a handful of demographic variables on US States from the US Census Bureau as a data.frame.

Description

The data comes from the American Community Survey (ACS). The variables are: total population, percent White not Hispanic, Percent Black or African American not Hispanic, percent Asian not Hispanic, percent Hispanic all races, per-capita income, median rent and median age.

Usage

```
get_state_demographics(endyear = 2013, span = 5)
```

Arguments

<code>endyear</code>	The end year for the survey
<code>span</code>	The span of the survey

References

Each year has 1- and 5-year spans

?get_state_demographics

When to Use 1-year, 3-year, or 5-year Estimates

[Tweet](#) [Share](#)

Choosing which dataset involves more than simply considering the population size in your area. You must think about the balance between currency and sample size/reliability/precision.

For details, research implications, and examples, see "Understanding and Using ACS Single-Year and Multiyear Estimates," page 9 in [General Data Users Handbook](#).

Distinguishing features of ACS 1-year, 1-year supplemental, 3-year, and 5-year estimates

1-year estimates	1-year supplemental estimates	3-year estimates*	5-year estimates
12 months of collected data <i>Example:</i> 2015 ACS 1-year estimates <i>Date collected between:</i> January 1, 2015 and December 31, 2015	12 months of collected data <i>Example:</i> 2015 ACS 1-year supplemental estimates <i>Date collected between:</i> January 1, 2015 and December 31, 2015	36 months of collected data <i>Example:</i> 2011-2013 ACS 3-year estimates <i>Date collected between:</i> January 1, 2011 and December 31, 2013	60 months of collected data <i>Example:</i> 2011-2015 ACS 5-year estimates <i>Date collected between:</i> January 1, 2011 and December 31, 2015
Data for areas with populations of 65,000+	Data for areas with populations of 20,000+	Data for areas with populations of 20,000+	Data for all areas
Smallest sample size	Smallest sample size	Larger sample size than 1-year	Largest sample size
Less reliable than 3-year or 5-year	Less reliable than 5-year	More reliable than 1-year; less reliable than 5-year	Most reliable
Most current data	Most current data	Less current than 1-year estimates; more current than 5-year	Least current
Annually released: 2005-present	Annually released: 2014-present	Annually released: 2007-2013	Annually released: 2009-present
Best used when	Best used when	Best used when	Best used when
Currency is more important than precision Analyzing large populations	Currency is more important than precision Analyzing smaller populations Examining smaller geographies because the standard 1-year estimates are not available	More precise than 1-year, spans fewer years than 5-year Analyzing smaller populations Examining smaller geographies because the standard 1-year estimates are not available	Precision is more important than currency Analyzing very small populations Examining tracts and other smaller geographies because 1-year estimates are not available

Span Pros and Cons


<https://www.census.gov/programs-surveys/acs/guidance/estimates.html>

Data Details

- Introduction to the ACS
- Choosing a Span
- Introduction to Tables
- Getting Specific Tables
- Getting Margin of Error

13197017


U.S. DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. CENSUS BUREAU

 **THE American Community Survey**

This booklet shows the content of the American Community Survey questionnaire.

Start Here
Respond online today at:
<https://respond.census.gov/acs>
OR
Complete this form and mail it back as soon as possible.

This form asks for information about the people who are living or staying at the address on the mailing label and about the house, apartment, or mobile home located at the address on the mailing label.

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

Telephone Device for the Deaf (TDD):
Call 1-800-582-8330. The telephone call is free.

¿NECESITA AYUDA? Si usted habla español y necesita ayuda para completar su cuestionario, llame sin cargo alguno al **1-877-833-5625**. Usted también puede completar su entrevista por teléfono con un entrevistador que habla español. O puede responder por Internet en: <https://respond.census.gov/acs>

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

Please print today's date.
Month Day Year


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, 3, and 4 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(INFO)(2017)**
(03-14-2016)

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



```

get_state_demographics = function(endyear=2013, span=5)
{
  state_geo = acs::geo.make(state = "*")
  race.data = acs::acs.fetch(geography = state_geo,
                             table.number = "B03002",
                             col.names = "pretty",
                             endyear = endyear,
                             span = span)

  # convert to a data.frame
  df_race = data.frame(region = as.character(tolower(acs::geography(race.data)$NAME)),
                        total_population = as.numeric(acs::estimate(race.data[,1])),
                        white_alone_not_hispanic = as.numeric(acs::estimate(race.data[,3])),
                        black_alone_not_hispanic = as.numeric(acs::estimate(race.data[,4])),
                        asian_alone_not_hispanic = as.numeric(acs::estimate(race.data[,6])),
                        hispanic_all_races = as.numeric(acs::estimate(race.data[,12])))
}

```

Data comes from tables

get_state_demographics # no parentheses!

The image is a screenshot of a Google search page. The search bar at the top contains the text 'B03002', which is highlighted with a red rectangular box. To the left of the search bar is the Google logo, and to the right are icons for voice search and image search. Below the search bar, there are tabs for 'All', 'Maps', 'Videos', 'Images', 'Shopping', and 'More'. The 'All' tab is currently selected. Below the tabs, it says 'About 23,000 results (0.51 seconds)'. The search results are listed below, each with a title, a URL, and a brief description. The first result is 'Table B03002: Hispanic or Latino Origin by Race - Census Reporter' with a URL to censusreporter.org. The second result is 'B03002 - American FactFinder - Census Bureau' with a URL to factfinder.census.gov. The third result is 'B03002. Hispanic or Latino Origin by Race [21] - American Community ...' with a URL to socialexplorer.com. The fourth result is 'B03002. Hispanic or Latino Origin By Race [21] ... - Social Explorer' with a URL to socialexplorer.com. The fifth result is 'B03002. Hispanic or Latino Origin By Race [21] ... - Social Explorer' with a URL to socialexplorer.com.

Google **B03002**

All Maps Videos Images Shopping More Settings Tools

About 23,000 results (0.51 seconds)

Table B03002: Hispanic or Latino Origin by Race - Census Reporter
<https://censusreporter.org/tables/B03002/> ▼
Columns in this table. Total: Not Hispanic or Latino: White alone; Black or African American alone; American Indian and Alaska Native alone; Asian alone; Native Hawaiian and Other Pacific Islander alone; Some other race alone; Two or more races: Two races including Some other race; Two races excluding Some other ...

B03002 - American FactFinder - Census Bureau
<https://factfinder.census.gov/bkmk/table/1.../B03002/0400000US29%7C0100000US> ▼
United States, Missouri. Estimate, Margin of Error, Estimate, Margin of Error. Total: 321,418,821, *****, 6,083,672, *****. Not Hispanic or Latino: 264,922,699, +/-8,415, 5,843,259, +/-2,092. White alone, 197,534,496, +/-20,894, 4,858,768, +/-2,158. Black or African American alone, 39,597,600, +/-56,543, 704,787, +/-6,412.

B03002. Hispanic or Latino Origin by Race [21] - American Community ...
<https://www.socialexplorer.com/data/ACS2015/metadata/?ds=ACS15...B03002> ▼
Data Dictionary - Survey ACS 2015 (1-Year Estimates); American Community Survey 2015 (ACS15); **B03002**. Hispanic or Latino Origin by Race [21]

B03002. Hispanic or Latino Origin By Race [21] ... - Social Explorer
<https://www.socialexplorer.com/data/ACS2009/metadata/?ds=ACS09...B03002> ▼
Data Dictionary - Survey ACS 2009 (1-Year Estimates); American Community Survey 2009 (ACS09); **B03002**. Hispanic or Latino Origin By Race [21]

B03002. Hispanic or Latino Origin By Race [21] ... - Social Explorer
<https://www.socialexplorer.com/data/ACS2010/metadata/?ds=ACS10...B03002> ▼
Data Dictionary - Survey ACS 2010 (1-Year Estimates); American Community Survey 2010 (ACS10); **B03002**. Hispanic or Latino Origin By Race [21]

You can google table IDs...

AMERICAN

FactFinder

MAIN

COMMUNITY FACTS

GUIDED SEARCH

ADVANCED SEARCH

DOWNLOAD CENTER

Advanced Search - Search all data in American FactFinder

1 Advanced Search

2 Table Viewer

B03002

HISPANIC OR LATINO ORIGIN BY RACE

Universe: Total population ⓘ

2015 American Community Survey 1-Year Estimates

Table View

Actions:

Modify Table

Add/Remove Geographies

Bookmark/Save

Print

Download

Create a Map

Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, it is the Census Bureau's Population Estimates Program that provides estimates of population for counties, cities and towns and estimates of housing units for states and counties.

Versions of this table are available for the following years:

2016

2015

2014

2013

2012

2011

2010

2009

2008

2007

2006

2005

1 of 21

	United States		Missouri	
	Estimate	Margin of Error	Estimate	Margin of Error
Total:	321,418,821	*****	6,083,672	*****
Not Hispanic or Latino:	264,922,699	+/-8,415	5,843,259	+/-2,092
White alone	197,534,496	+/-20,894	4,858,768	+/-2,158
Black or African American alone	39,597,600	+/-56,543	704,787	+/-6,412
American Indian and Alaska Native alone	2,069,645	+/-18,015	22,726	+/-2,545
Asian alone	17,081,093	+/-37,805	113,912	+/-3,371
Native Hawaiian and Other Pacific Islander alone	502,876	+/-11,192	5,522	+/-1,400
Some other race alone	699,309	+/-25,109	4,647	+/-1,113
Two or more races:	7,437,680	+/-68,412	132,897	+/-7,808
Two races including Some other race	279,052	+/-10,712	3,358	+/-1,482
Two races excluding Some other race, and three or more races	7,158,628	+/-66,638	129,539	+/-7,695
Hispanic or Latino:	56,496,122	+/-8,415	240,413	+/-2,092
White alone	37,405,604	+/-113,374	152,559	+/-7,048
Black or African American alone	1,097,677	+/-34,038	5,182	+/-1,914
American Indian and Alaska Native alone	527,604	+/-21,403	3,082	+/-1,134
Asian alone	192,684	+/-11,427	977	+/-561

And wind up here ...

(American Fact Finder)

FACTFINDER HELP ABOUT THE DATA

Program

American Community Survey

Survey

American Community Survey

Description:

The American Community Survey (ACS) is a nationwide survey designed to provide comprehensive information about the nation's people and communities. The ACS collects long form type information (e.g., employment, migration, educational attainment, income, etc.) that is not available from the decennial census. The ACS is a continuous survey that collects data throughout the year in every county in the United States. The ACS previously published 3-year estimates, but this data release was discontinued in 2013. For more information about the ACS content, methodology, and documentation, visit the [ACS website](#).

The American Community Survey collects data throughout the year in every county in the United States. The ACS previously published 3-year estimates, but this data release was discontinued in 2013. For more information about the ACS content, methodology, and documentation, visit the [ACS website](#).

Data Sets:

- 2005 American Community Survey
- 2006 American Community Survey
- 2007 American Community Survey 1-Year Estimates
- 2005-2007 American Community Survey 3-Year Estimates
- 2008 American Community Survey 1-Year Estimates
- 2006-2008 American Community Survey 3-Year Estimates
- 2009 American Community Survey 1-Year Estimates
- 2007-2009 American Community Survey 3-Year Estimates
- 2005-2009 American Community Survey 5-Year Estimates
- 2010 American Community Survey 1-Year Estimates
- 2008-2010 American Community Survey 3-Year Estimates
- 2006-2010 American Community Survey 5-Year Estimates
- 2006-2010 American Community Survey American Indian and Alaska Native Tables
- 2006-2010 American Community Survey Selected Population Tables
- 2011 American Community Survey 1-Year Estimates
- 2009-2011 American Community Survey 3-Year Estimates
- 2007-2011 American Community Survey 5-Year Estimates
- 2012 American Community Survey 1-Year Estimates
- 2010-2012 American Community Survey 3-Year Estimates
- 2008-2012 American Community Survey 5-Year Estimates
- 2013 American Community Survey 1-Year Estimates
- 2011-2013 American Community Survey 3-Year Estimates
- 2009-2013 American Community Survey 5-Year Estimates
- 2014 American Community Survey 1-Year Estimates

A list of all tables for all surveys


<https://factfinder.census.gov/faces/affhelp/jsf/pages/metadata.xhtml?lang=en&type=survey&id=survey.en.ACS> ACS

The American Community Survey (ACS)

- About the Survey
- Choosing a Span
- Introduction to Tables
- Getting Data by Table
- Getting Margin of Error

13197017

U.S. DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. CENSUS BUREAU


 **THE American Community Survey**

This booklet shows the content of the American Community Survey questionnaire.

Start Here

Respond online today at:
<https://respond.census.gov/acs>
OR
Complete this form and mail it back as soon as possible.

This form asks for information about the people who are living or staying at the address on the mailing label and about the house, apartment, or mobile home located at the address on the mailing label.

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

Telephone Device for the Deaf (TDD):
Call 1-800-582-8330. The telephone call is free.

¿NECESITA AYUDA? Si usted habla español y necesita ayuda para completar su cuestionario, llame sin cargo alguno al **1-877-833-5625**. Usted también puede completar su entrevista por teléfono con un entrevistador que habla español. O puede responder por Internet en: <https://respond.census.gov/acs>

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

Please print today's date.
Month Day Year


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 -

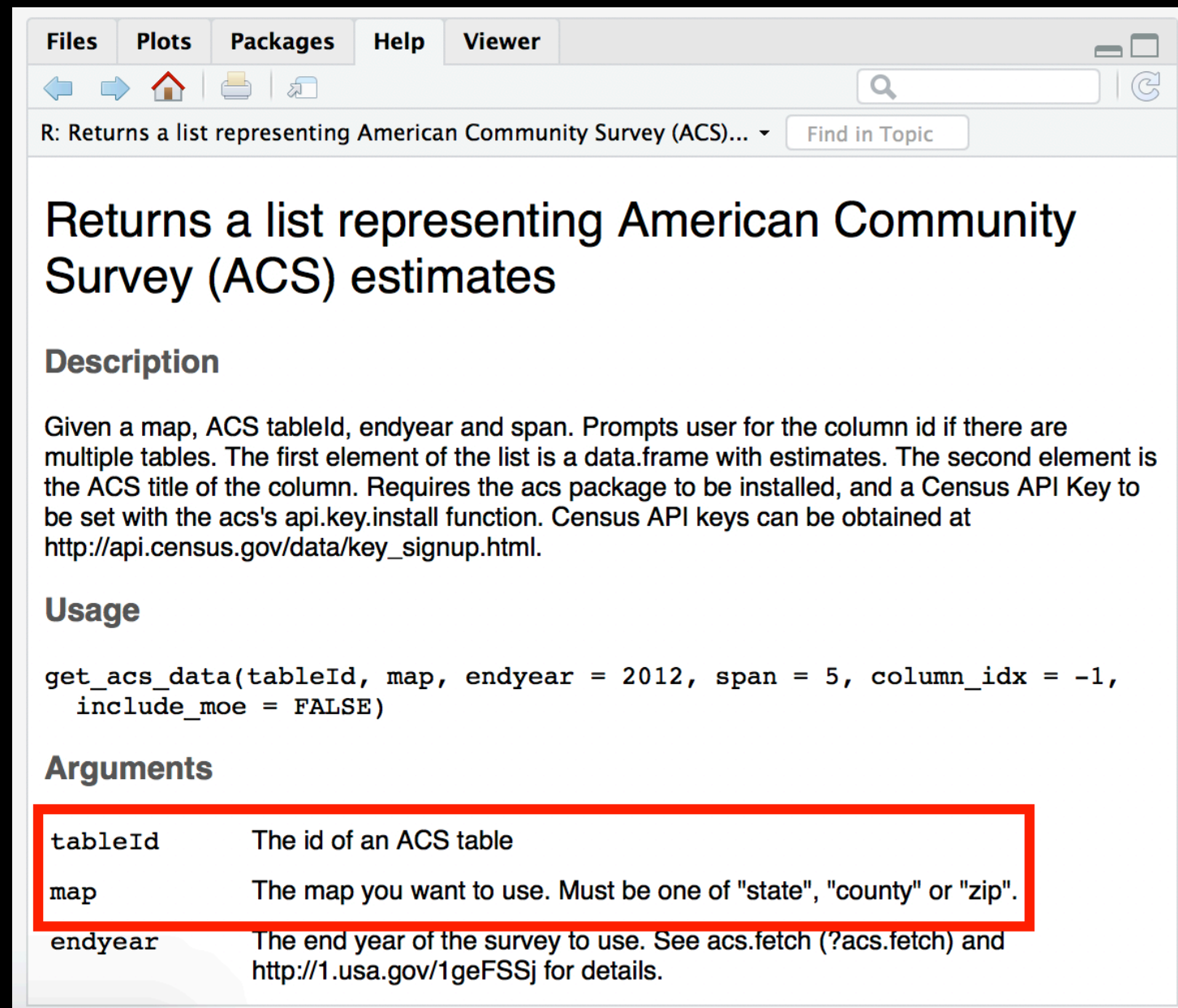
How many people are living or staying at this address?
• **INCLUDE** everyone who is living or staying here for more than 2 months.
• **INCLUDE** yourself if you are living here for more than 2 months.
• **INCLUDE** anyone else staying here who does not have another place to stay, even if they are here 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, 3, and 4 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(INFO)(2017)**
(03-14-2016)

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





The screenshot shows the RStudio help interface for the `get_acs_data` function. The window has a menu bar with 'Files', 'Plots', 'Packages', 'Help', and 'Viewer'. Below the menu bar is a toolbar with navigation icons and a search bar. The main content area displays the function name, a description, usage examples, and arguments. The arguments section is highlighted with a red box.

Files **Plots** **Packages** **Help** **Viewer**

R: Returns a list representing American Community Survey (ACS)...

Returns a list representing American Community Survey (ACS) estimates

Description

Given a map, ACS tableId, endyear and span. Prompts user for the column id if there are multiple tables. The first element of the list is a data.frame with estimates. The second element is the ACS title of the column. Requires the acs package to be installed, and a Census API Key to be set with the acs's `api.key.install` function. Census API keys can be obtained at http://api.census.gov/data/key_signup.html.

Usage

```
get_acs_data(tableId, map, endyear = 2012, span = 5, column_idx = -1,
             include_moe = FALSE)
```

Arguments

<code>tableId</code>	The id of an ACS table
<code>map</code>	The map you want to use. Must be one of "state", "county" or "zip".
<code>endyear</code>	The end year of the survey to use. See <code>acs.fetch</code> (<code>?acs.fetch</code>) and http://1.usa.gov/1geFSSj for details.

?get_acs_data

Requires a tableId and a map

get_acs_data output

```
get_acs_data("B19301",  
             "state",  
             endyear = 2015,  
             span = 5)
```

```
$df  
      region value  
1      alaska 33413  
2    alabama 24091  
3   arkansas 22798  
4    arizona 25848  
5  california 30318  
6    colorado 32217  
7 connecticut 38803  
8 district of columbia 47675
```

```
$title
```


```
[1] "B19301. Per Capita Income in the Past 12 Months (in 2015 Inflation-Adjusted Dollars):  
Per capita income in the past 12 months (in 2015 Inflation-adjusted dollars)"
```

The American Community Survey (ACS)

- About the Survey
- Choosing a Span
- Introduction to Tables
- Getting Data by Table
- Getting Margin of Error

13197017

U.S. DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. CENSUS BUREAU


 **THE American Community Survey**

This booklet shows the content of the American Community Survey questionnaire.

Start Here

Respond online today at:
<https://respond.census.gov/acs>
OR
Complete this form and mail it back as soon as possible.

This form asks for information about the people who are living or staying at the address on the mailing label and about the house, apartment, or mobile home located at the address on the mailing label.

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

Telephone Device for the Deaf (TDD):
Call 1-800-582-8330. The telephone call is free.

¿NECESITA AYUDA? Si usted habla español y necesita ayuda para completar su cuestionario, llame sin cargo alguno al **1-877-833-5625**. Usted también puede completar su entrevista por teléfono con un entrevistador que habla español. O puede responder por Internet en: <https://respond.census.gov/acs>

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

Please print today's date.
Month Day Year

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, 3, and 4 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(INFO)(2017)**
(03-14-2016)

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

FilesPlotsPackagesHelpViewer

←→🏠🖨️🔗

R: Returns a list representing American Community Survey (ACS)...

Find in Topic

🔍🔄

get_acs_data {choroplethr}

R Documentation

Returns a list representing American Community Survey (ACS) estimates

Description

Given a map, ACS tableId, endyear and span. Prompts user for the column id if there are multiple tables. The first element of the list is a data.frame with estimates. The second element is the ACS title of the column. Requires the acs package to be installed, and a Census API Key to be set with the acs's api.key.install function. Census API keys can be obtained at http://api.census.gov/data/key_signup.html.

Usage

```
get_acs_data(tableId, map, endyear = 2012, span = 5, column_idx = -1,
  include_moe = FALSE)
```

Arguments

tableId	The id of an ACS table
map	The map you want to use. Must be one of "state", "county" or "zip".
endyear	The end year of the survey to use. See <code>acs.fetch</code> (<code>?acs.fetch</code>) and http://1.usa.gov/1geFSSj for details.
span	The span of time to use. See <code>acs.fetch</code> and http://1.usa.gov/1geFSSj for details. on the same longitude and latitude map to scale. This variable is only checked when the "states" variable is equal to all 50 states.
column_idx	The optional column id of the table to use. If not specified and the table has multiple columns, you will be prompted for a column id.
include_moe	Whether to include the 90 percent margin of error.

?get_acs_data

get_acs_data output

```
get_acs_data("B19301",  
             "state",  
             endyear = 2015,  
             span = 5,  
             include_moe = TRUE)
```

```
$df  
      region value margin.of.error  
1      alaska 33413           399  
2    alabama 24091           131  
3   arkansas 22798           155  
4    arizona 25848           123  
5  california 30318            92  
6   colorado 32217           149  
7 connecticut 38803           248  
8 district of columbia 47675           568  
9    delaware 30554           300  
10   florida 26829           119
```

```
$title
```


```
[1] "B19301. Per Capita Income in the Past 12 Months (in 2015 Inflation-Adjusted Dollars):  
Per capita income in the past 12 months (in 2015 Inflation-adjusted dollars)"
```


Data Details

- Introduction to the ACS
- Choosing a Span
- Introduction to Tables
- Getting Specific Tables
- Getting Margin of Error

13197017


U.S. DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. CENSUS BUREAU

 **THE American Community Survey**

This booklet shows the content of the American Community Survey questionnaire.

Start Here
Respond online today at:
<https://respond.census.gov/acs>
OR
Complete this form and mail it back as soon as possible.

This form asks for information about the people who are living or staying at the address on the mailing label and about the house, apartment, or mobile home located at the address on the mailing label.

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

Telephone Device for the Deaf (TDD):
Call 1-800-582-8330. The telephone call is free.

¿NECESITA AYUDA? Si usted habla español y necesita ayuda para completar su cuestionario, llame sin cargo alguno al **1-877-833-5625**. Usted también puede completar su entrevista por teléfono con un entrevistador que habla español. O puede responder por Internet en: <https://respond.census.gov/acs>

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

Please print today's date.
Month Day Year

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, 3, and 4 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(INFO)(2017)**
(03-14-2016)

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

