

Using the Census Application Programming Interface (API) with the American Community Survey (ACS)

June 14, 2018

Access the Audio

Toll free number: 888-810-3138

Passcode: 5490695

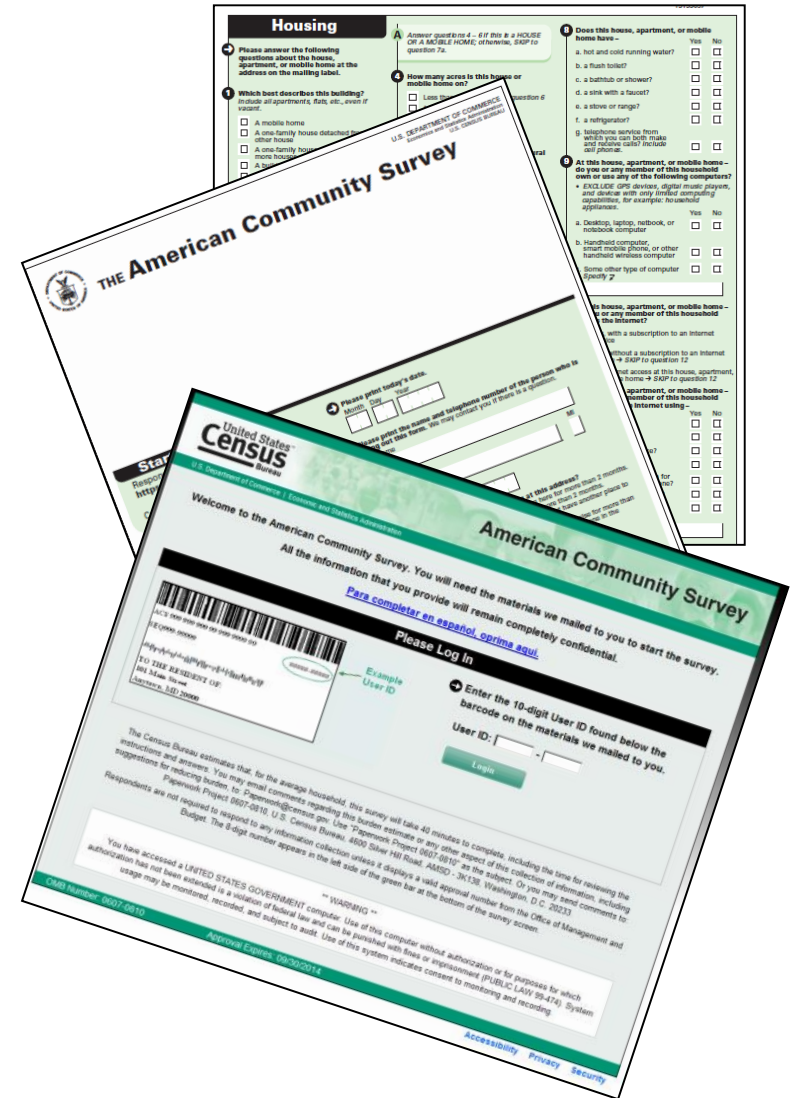
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Tammy Anderson, Decennial Information Technology Division,
U.S. Census Bureau

Outline

- **ACS and Census API Basics**
- Using the API
- Building an API Request
- API Demo
- Resources for Learning More
- Stay in Touch
- Questions

American Community Survey is Foundational

- The nation's most current, reliable, and accessible data source for local statistics on critical planning topics such as age, children, veterans, commuting, education, income, and employment
- Surveys about **3.5 million** addresses and informs **\$675 billion** of Federal government spending each year
- Designed to produce critical information on **small areas and small population groups** previously collected on the decennial long form
- Covers **35+ topics**, supports over **300** evidence-based Federal government uses, and produces **11 billion** estimates each year
- Three key annual data releases:
 - 1-year estimates (12 months of data)
 - 1-year Supplemental Estimates (12 months of data)
 - 5-year estimates (60 months of data)



Availability of ACS Data Products

Estimated Population of Geographic Area	1-Year Estimates	1-Year Supplemental Estimates	5-Year Estimates
65,000 or more	X	X	X
20,000 to 64,999		X	X
Less than 20,000			X
Planned Release Date	September 13, 2018	October 18, 2018	December 6, 2018

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

Types of ACS Tables in API

Tables

Types In API

- Detailed Tables (B or C)
- Subject Tables (S)

Description

- Most detailed ACS statistics
- Each table covers one primary topic
- May contain cross tabulations

Profiles

Types In API

- Data Profiles (DP) - includes %
- Comparison Profiles (CP) - includes statistical significance

Description

- Most common ACS statistics
- Derived from tables
- Each profile covers many topics

[census.gov/programs-surveys/acs/guidance/which-data-tool/table-ids-explained.html](https://www.census.gov/programs-surveys/acs/guidance/which-data-tool/table-ids-explained.html)

Table/Profile Numbering

B06004APR

- B=Data Product Type (Base Table)
- 06=Subject (Place of Birth)
- 004=Sequential Number (2 or 3 digits)
- A=Race/Hispanic Origin (White Alone)
- PR=For Puerto Rico Geographies Only

[census.gov/programs-surveys/acs/guidance/which-data-tool/table-ids-explained.html](https://www.census.gov/programs-surveys/acs/guidance/which-data-tool/table-ids-explained.html)

The Census Data API

- Application Programming Interface
- Data Service
- Enables Census Bureau data providers to expose data in a standardized way
- Gives software developers the ability to create custom apps
- Allows data scientists more flexibility to develop data analytics

Advantages

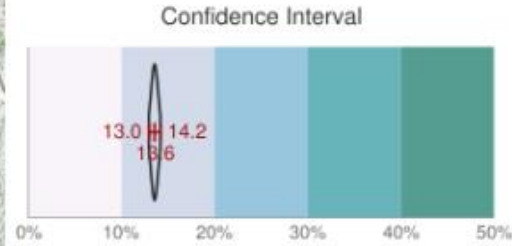
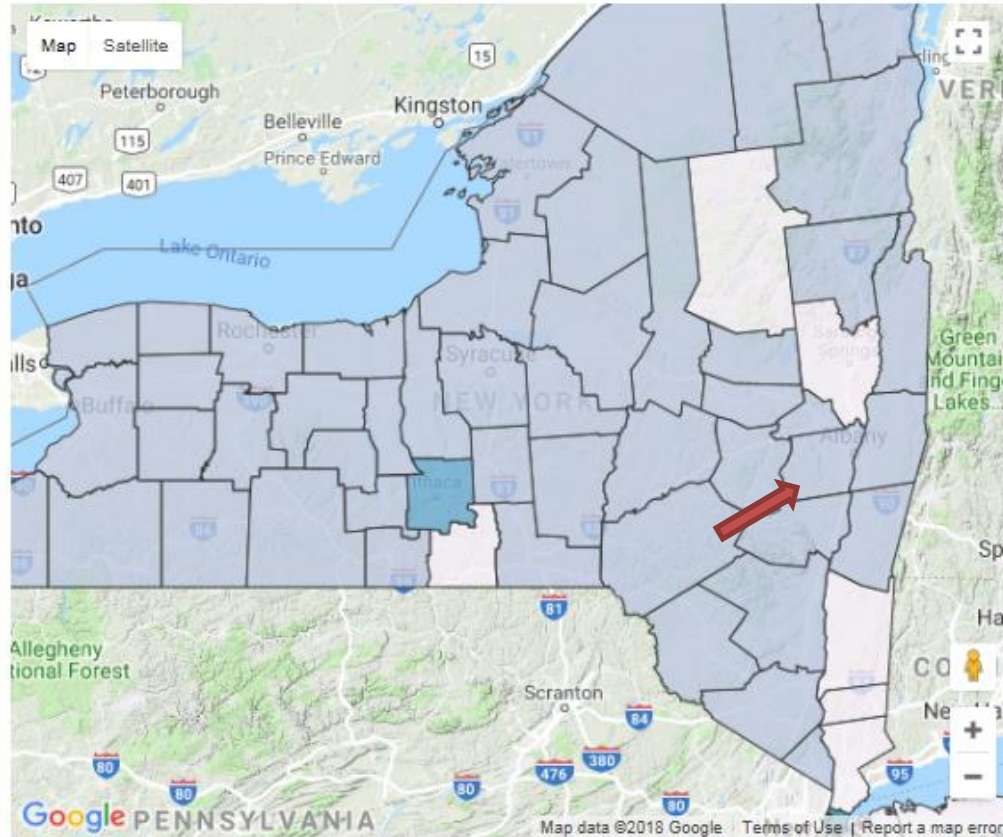
- Reduces the learning curve by standardizing across multiple datasets
- Access only the variables, geographies and table cells needed
- No need to host data on another server
- Gives immediate access to most current data
- No complex interface

Uses

- Supports mobile and web applications
- Drives interactive data visualizations
- Connects to statistical analysis software like R

Select subgroup: All

Poverty Status in the past 12 Months by Sex by Age



Albany County, New York

Estimated counts (MOE) from table B17001:

- Below poverty level*: 39,373 (+/-1,835)
- Above poverty level*: 251,183 (+/-2,064)
- Calculated total: 290,556 (+/-2,762)

Poverty rate:

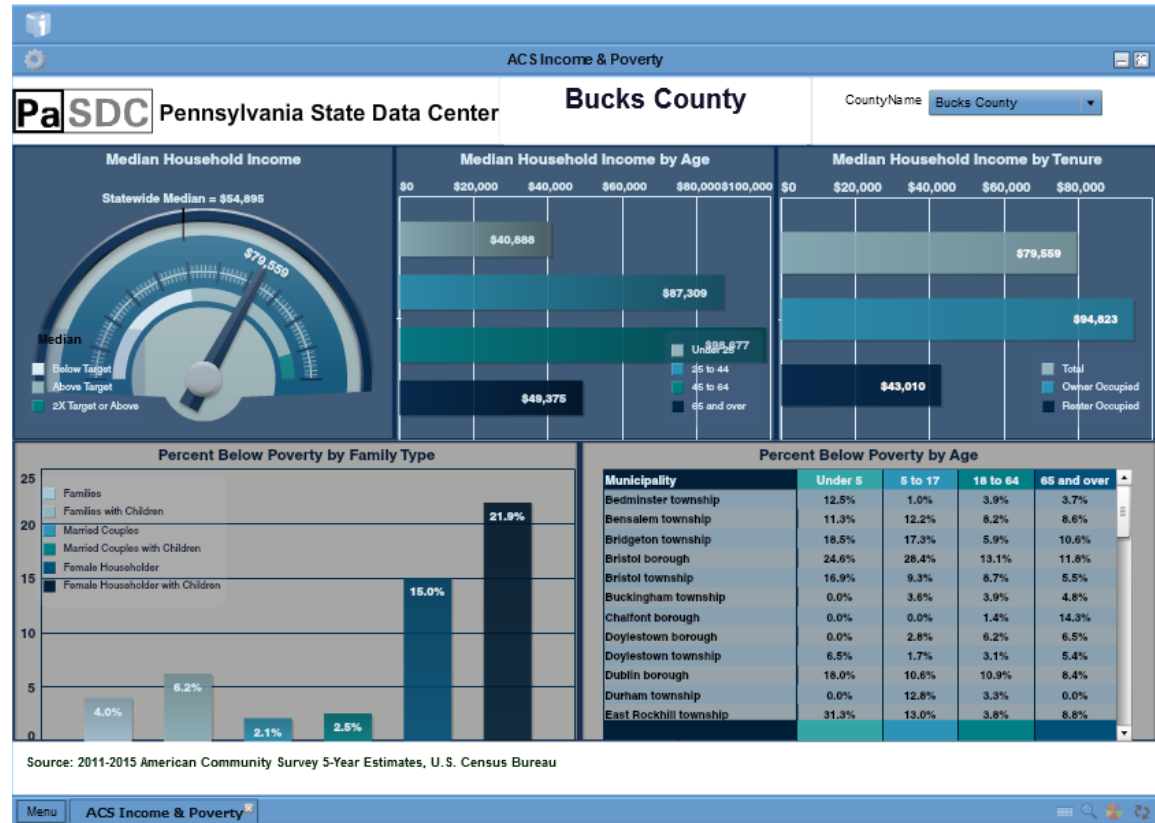
- Estimate: 13.6%
- Margin of Error (MOE): 0.6
- 90% Confidence Interval (CI): <13.0%, 14.2%>
- Standard Error (SE): 0.36
- Coefficient of variation (CV): 2.7%

* Source: Table B17001: American Community Survey, 2010-2014
 This product uses the Census Bureau Data API but is not endorsed or certified by the Census Bureau.

http://pad.human.cornell.edu/Unlisted/uncertaintymap_fullinfo_api_B17001.cfm

[Return to Dashboards Home](#)
[Help Using the Dashboards](#)

ACS Income



<https://pasdc.hbg.psu.edu/Data/PaSDCDashboards/ACSIncome/tabid/1922/Default.aspx>

CLEARGOV STATE GOVS LOCAL GOVS SCHOOL DISTRICTS PRODUCTS GET A DEMO LOGIN

Home > Oregon > Deschutes > Redmond Search towns & schools

Sisters 126 FS 16 Prineville 26 PRZ 126

CITY OF **REDMOND** UNCLAIMED
 DESCHUTES COUNTY
 Claim This Page >
 RDM

2013 2012 2011 Select Language

DEMOGRAPHIC SNAPSHOT

Population	Median Home Value	Median Household Income
26,186	\$169,400	\$41,021
+1,240% HIGHER THAN STATE MEDIAN	-31% LOWER THAN STATE MEDIAN	-18% LOWER THAN STATE MEDIAN

VIEW MORE DEMOGRAPHICS

* Data source: 2012 US Census Bureau, American Community Survey; Home value data includes all types of owner-occupied housing.

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

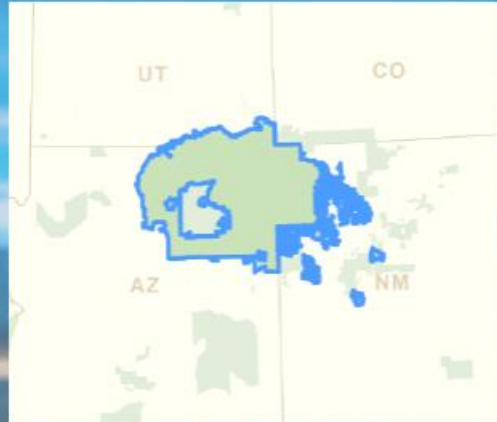
My Tribal Area

Navajo Nation Reservation and Off-Reservation Trust Land

OR

1 Select a State

2



About the map



People



Jobs



Housing



Economy



Education

Navajo Nation Reservation and Off-Reservation Trust Land, AZ--NM--UT

Source: 2012-2016 American Community Survey 5-Year Estimates

Sex and Age	Estimate	ACS Margin of Error
Total population	174,692	(+/-1,802)
Male	85,042	(+/-1,067)
Female	89,650	(+/-1,131)
Under 5 years	13,644	(+/-470)
5 to 9 years	15,376	(+/-426)
10 to 14 years	15,084	(+/-428)
15 to 19 years	15,028	(+/-478)
20 to 24 years	14,659	(+/-517)
25 to 34 years	22,279	(+/-643)
35 to 44 years	19,379	(+/-457)
45 to 54 years	21,609	(+/-457)
55 to 59 years	10,667	(+/-330)
60 to 64 years	8,176	(+/-331)
65 to 74 years	10,782	(+/-314)

Display ACS Margin of Error

Download and Share



U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov

POWERED BY
The American Community Survey

Glossary >

<https://www.census.gov/tribal/>

115th Congress
My Congressional District

1 North Carolina
2 Congressional District 3

People Workers Housing Socio-Economic Education Business

Congressional District 3, North Carolina
Source: 2016 American Community Survey 1-Year Estimates

School Enrollment

	Estimate
Population 3 years and over enrolled in school	179,602
Nursery school, preschool	11,978
Kindergarten	8,576
Elementary school (grades 1-8)	74,550
High school (grades 9-12)	37,362
College or graduate school	47,136

Educational Attainment

	Estimate
Population 25 years and over	494,006
Less than 9th grade	19,644
9th to 12th grade, no diploma	37,460
High school graduate (includes equivalency)	141,357
Some college, no degree	127,459
Associate's degree	55,464
Bachelor's degree	70,344
Graduate or professional degree	42,278

Need help finding your Congressional District?
Enter ZIP code
Window opens in new tab.

United States Census Bureau
U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov

POWERED BY
The American Community Survey and County Business Patterns

Display ACS Margin of Error

<https://www.census.gov/mycd/>

Outline

- ACS and Census API Basics
- **Using the API**
- Building an API Request
- API Demo
- Resources for Learning More
- Stay in Touch
- Questions

Example: American Community Survey data.census.gov

This is a preview of the Census Bureau's new data exploration platform to be used to evaluate the look, feel, and functionality of our development. See Release Notes and FAQs for details. For official use, please continue to use our data resources at census.gov/data.html.

United States Census Bureau
B17001: POVERTY ST Q

[data.ce...](#) > [I..](#) > B17001: POVERTY STATUS IN THE...

POVERTY STATUS IN THE PAST 12 MONTHS BY SEX BY AGE

Table ID: B17001

Universe: Population for whom poverty status is determined

[Read Table Notes and Methodology](#)

Switch Dataset:

2016 : ACS 5-Year Estimates Detailed Tables

Transpose Table:

Show Margin of Error:

Add Geography

POVERTY STATUS IN THE PAST 12 MONTHS BY SEX BY AGE

Universe: Population for whom poverty status is determined

Table: B17001

Survey/Program: American Community Survey

	United States		Alabama	Alaska	Arizona	Arkansas				
	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error	Estimate	Margin of Error		
Total:	310,629,645	+/- 11,780	4,720,592	+/- 1,153	719,064	+/- 455	6,573,523	+/- 1,516	2,881,404	+/- 1,080
Income in the past 12 months below poverty level:	46,932,225	+/- 284,072	868,666	+/- 11,290	72,826	+/- 2,617	1,165,636	+/- 11,825	542,431	+/- 8,531
Male:	21,012,839	+/- 136,034	375,139	+/- 5,586	34,847	+/- 1,455	540,034	+/- 6,596	242,209	+/- 4,579
Under 5 years	2,349,027	+/- 24,515	43,317	+/- 1,337	4,037	+/- 392	59,903	+/- 1,752	29,219	+/- 1,309
5 years	469,666	+/- 6,702	8,848	+/- 721	979	+/- 179	11,894	+/- 742	5,981	+/- 678
6 to 11 years	2,656,041	+/- 27,475	50,183	+/- 1,856	4,360	+/- 410	70,032	+/- 1,513	32,412	+/- 1,387
12 to 14 years	1,177,177	+/- 11,468	21,853	+/- 1,091	2,263	+/- 391	31,019	+/- 1,235	14,489	+/- 802
15 years	393,261	+/- 5,644	6,805	+/- 620	641	+/- 168	10,602	+/- 629	4,752	+/- 456
16 and 17 years	743,208	+/- 8,566	14,167	+/- 834	1,168	+/- 187	20,241	+/- 997	8,951	+/- 723
18 to 24 years	3,076,564	+/- 20,370	53,676	+/- 1,733	4,674	+/- 389	78,737	+/- 2,245	33,371	+/- 1,264
25 to 34 years	2,571,567	+/- 15,310	44,605	+/- 1,463	4,556	+/- 430	69,046	+/- 1,810	28,008	+/- 1,359
1 to 59 of 59 rows	2,067,813	+/- 15,925	33,938	+/- 1,272	3,559	+/- 354	54,303	+/- 1,571	10 to 10 of 106 columns	

Output

[https://api.census.gov/data/2016/acs/acs5
?get=NAME,B17001_002E,B17001_002M&for=state:*](https://api.census.gov/data/2016/acs/acs5?get=NAME,B17001_002E,B17001_002M&for=state:*)

Returns data in json format that looks like this:

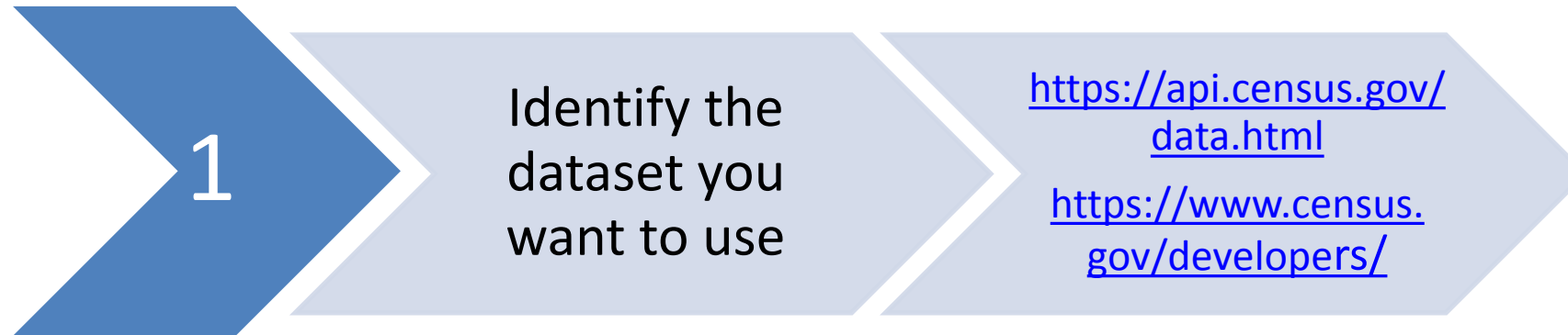
```
[["NAME","B17001_002E","B17001_002M","state"],  
["Alabama","868666","11290","01"],  
["Alaska","72826","2617","02"],  
["Arizona","1165636","11825","04"],  
["Arkansas","542431","8531","05"],
```

Continued...

Outline

- ACS Basics and Content
- Census API Basics
- Using the API
- **Building an API Request**
- Stay in Touch
- Questions?

API Request – Four Easy Steps



API Request – Four Easy Steps

3

Request the
variables and
geographies

?get=variable,names,
separated,by,commas
&for=geography level:code

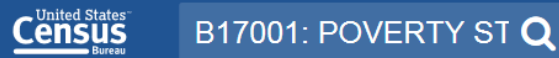
4

Put it all together

[https://api.census.gov/data/
2016/acs/acs5?get=NAME,
B17001_002E,B17001_002M
&for=state:*](https://api.census.gov/data/2016/acs/acs5?get=NAME,B17001_002E,B17001_002M&for=state:*)

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[data.ce...](#) > [I..](#) > B17001: POVERTY STATUS IN THE...

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Show Margin of Error:

Add Geography

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API Discovery Tool

<https://api.census.gov/data.html>

Census API: Datasets in /data/2016/acs/acs5 and its descendants

Title	Description	Vintage	Dataset Name	Geography List	Variable List	Group List	Tag List	Examples	Developer Documentation	API Base URL
ACS 5-Year Detailed Tables	The American Community Survey (ACS) is an ongoing survey that provides data every year -- giving communities the current information they need to plan investments and services. The ACS covers a broad range of topics about social, economic, demographic, and housing characteristics of the U.S. population. Summary files include the following geographies: nation, all states (including DC and Puerto Rico), all metropolitan areas, all congressional districts (114th congress), all counties, all places, and all tracts and block groups. Summary files contain the most detailed cross-tabulations, many of which are published down to block groups. The data are population and housing counts. There are over 64,000 variables in this dataset.	2016	acs › acs5	geographies	variables	groups	tags	examples	documentation	https://api.census.gov/data/2016/acs/acs5
ACS 5-Year Comparison Profile	The American Community Survey (ACS) is an ongoing survey that provides data every year -- giving communities the current information they need to plan investments and services. The ACS covers a broad range of topics about social, economic, demographic, and housing characteristics of the U.S. population. The comparison profiles include the following geographies: nation, all states (including DC and Puerto Rico), all metropolitan areas, all congressional districts, all counties and all places with a population of 5,000 or more. Comparison profiles are similar to data profiles but also include comparisons with past-year data. The current year data are compared with prior 5-Year data and include statistical significance testing. There are over 3,000 variables in this dataset.	2016	acs › acs5 › cprofile	geographies	variables	groups	N/A	examples	documentation	https://api.census.gov/data/2016/acs/acs5/cprofile
ACS 5-Year Data Profile	The American Community Survey (ACS) is an ongoing survey that provides data every year -- giving communities the current information they need to plan investments and services. The ACS covers a broad range of topics about social, economic, demographic, and housing characteristics of the U.S. population. The data profiles include the following geographies: nation, all states (including DC and Puerto Rico), all metropolitan areas, all congressional districts, all counties, all places and all tracts. Data profiles contain broad social, economic, housing, and demographic information. The data are presented as both counts and percentages. There are over 2,400 variables in this dataset.	2016	acs › acs5 › profile	geographies	variables	groups	N/A	examples	documentation	https://api.census.gov/data/2016/acs/acs5/profile
ACS 5-Year Subject Tables	The American Community Survey (ACS) is an ongoing survey that provides data every year -- giving communities the current information they need to plan investments and services. The ACS covers a broad range of topics about social, economic, demographic, and housing characteristics of the U.S. population. The subject tables include the following geographies: nation, all states (including DC and Puerto Rico), all metropolitan areas, all congressional districts, all counties, all places and all tracts. Subject tables provide an overview of the estimates available in a particular topic. The data are presented as both counts and percentages. There are over 66,000 variables in this dataset.	2016	acs › acs5 › subject	geographies	variables	groups	tags	examples	documentation	https://api.census.gov/data/2016/acs/acs5/subject

Start Your Data Request

https://api.census.gov/data/2016/acs/acs5?get=NAME,B17001_002E,B17001_002M&for=state:*

1

Requests always begin with:
<https://api.census.gov/data>

Add the Dataset Name

https://api.census.gov/data/2016/acs/acs5?get=NAME,B17001_002E,B17001_002M&for=state:*

2

Find the dataset name at:
<https://api.census.gov/data/2016.html>

https://api.census.gov/data/2016/acs/acs5.html

Census API: Datasets in /data/2016/acs/acs5 and its descendants

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ACS 5-Year Comparison Profile	The American Community Survey (ACS) is an ongoing survey that provides data every year -- giving communities the current information they need to plan investments and services. The ACS covers a broad range of topics about social, economic, demographic, and housing characteristics of the U.S. population. The comparison profiles include the following geographies: nation, all states (including DC and Puerto Rico), all metropolitan areas, all congressional districts, all counties and all places with a population of 5,000 or more. Comparison profiles are similar to data profiles but also include comparisons with past-year data. The current year data are compared with prior 5-Year data and include statistical significance testing. There are over 3,000 variables in this dataset.	2016	acs > acs5 > cprofile	geographies	variables	groups	N/A	examples	documentation	https://api.census.gov/data/2016/acs/acs5/cprofile
ACS 5-Year Data Profile	The American Community Survey (ACS) is an ongoing survey that provides data every year -- giving communities the current information they need to plan investments and services. The ACS covers a broad range of topics about social, economic, demographic, and housing characteristics of the U.S. population. The data profiles include the following geographies: nation, all states (including DC and Puerto Rico), all metropolitan areas, all congressional districts, all counties, all places and all tracts. Data profiles contain broad social, economic, housing, and demographic information. The data are presented as both counts and percentages. There are over 2,400 variables in this dataset.	2016	acs > acs5 > profile	geographies	variables	groups	N/A	examples	documentation	https://api.census.gov/data/2016/acs/acs5/profile
ACS 5-Year Subject Tables	The American Community Survey (ACS) is an ongoing survey that provides data every year -- giving communities the current information they need to plan investments and services. The ACS covers a broad range of topics about social, economic, demographic, and housing characteristics of the U.S. population. The subject tables include the following geographies: nation, all states (including DC and Puerto Rico), all metropolitan areas, all congressional districts, all counties, all places and all tracts. Subject tables provide an overview of the estimates available in a particular topic. The data are presented as both counts and percentages. There are over 66,000 variables in this dataset.	2016	acs > acs5 > subject	geographies	variables	groups	tags	examples	documentation	https://api.census.gov/data/2016/acs/acs5/subject

Start Your Variable Request

https://api.census.gov/data/2016/acs/acs5?get=NAME,B17001_002E,B17001_002M&for=state:*

3

Always start your variable request with `?get=`

Add Your Variables

https://api.census.gov/data/2016/acs/acs5?get=NAME,B17001_002E,B17001_002M&for=state:*

4

Find the variables you want here:

<https://api.census.gov/data/2016/acs/acs5/variables.html>

https://api.census.gov/data/2016/acs/acs5 /variables.html

Variable ID	Description	Category	Required	Source	Format	Unit	Response
B16010_048E	Estimate!!Total!!Bachelor's degree or higher!!Not in labor force	EDUCATIONAL ATTAINMENT AND EMPLOYMENT STATUS BY LANGUAGE SPOKEN AT HOME FOR THE POPULATION 25 YEARS AND OVER	not required	B16010_048M , B16010_048MA , B16010_048EA	0	int	B16010 N/A
B16010_049E	Estimate!!Total!!Bachelor's degree or higher!!Not in labor force!!Speak only English	EDUCATIONAL ATTAINMENT AND EMPLOYMENT STATUS BY LANGUAGE SPOKEN AT HOME FOR THE POPULATION 25 YEARS AND OVER	not required	B16010_049M , B16010_049MA , B16010_049EA	0	int	B16010 N/A
B16010_050E	Estimate!!Total!!Bachelor's degree or higher!!Not in labor force!!Speak Spanish	EDUCATIONAL ATTAINMENT AND EMPLOYMENT STATUS BY LANGUAGE SPOKEN AT HOME FOR THE POPULATION 25 YEARS AND OVER	not required	B16010_050M , B16010_050MA , B16010_050EA	0	int	B16010 N/A
B16010_051E	Estimate!!Total!!Bachelor's degree or higher!!Not in labor force!!Speak other Indo-European languages	EDUCATIONAL ATTAINMENT AND EMPLOYMENT STATUS BY LANGUAGE SPOKEN AT HOME FOR THE POPULATION 25 YEARS AND OVER	not required	B16010_051M , B16010_051MA , B16010_051EA	0	int	B16010 N/A
B16010_052E	Estimate!!Total!!Bachelor's degree or higher!!Not in labor force!!Speak Asian and Pacific Island languages	EDUCATIONAL ATTAINMENT AND EMPLOYMENT STATUS BY LANGUAGE SPOKEN AT HOME FOR THE POPULATION 25 YEARS AND OVER	not required	B16010_052M , B16010_052MA , B16010_052EA	0	int	B16010 N/A
B16010_053E	Estimate!!Total!!Bachelor's degree or higher!!Not in labor force!!Speak other languages	EDUCATIONAL ATTAINMENT AND EMPLOYMENT STATUS BY LANGUAGE SPOKEN AT HOME FOR THE POPULATION 25 YEARS AND OVER	not required	B16010_053M , B16010_053MA , B16010_053EA	0	int	B16010 N/A
B17001_001E	Estimate!!Total	POVERTY STATUS IN THE PAST 12 MONTHS BY SEX BY AGE	not required	B17001_001M , B17001_001MA , B17001_001EA	0	int	B17001 N/A
B17001_002E	Estimate!!Total!!Income in the past 12 months below poverty level	POVERTY STATUS IN THE PAST 12 MONTHS BY SEX BY AGE	not required	B17001_002M , B17001_002MA , B17001_002EA	0	int	B17001 N/A
B17001_003E	Estimate!!Total!!Income in the past 12 months below poverty level!!Male	POVERTY STATUS IN THE PAST 12 MONTHS BY SEX BY AGE	not required	B17001_003M , B17001_003MA , B17001_003EA	0	int	B17001 N/A
B17001_004E	Estimate!!Total!!Income in the past 12 months below poverty level!!Male!!Under 5 years	POVERTY STATUS IN THE PAST 12 MONTHS BY SEX BY AGE	not required	B17001_004M , B17001_004MA , B17001_004EA	0	int	B17001 N/A
B17001_005E	Estimate!!Total!!Income in the past 12 months below poverty level!!Male!!5 years	POVERTY STATUS IN THE PAST 12 MONTHS BY SEX BY AGE	not required	B17001_005M , B17001_005MA , B17001_005EA	0	int	B17001 N/A
B17001_006E	Estimate!!Total!!Income in the past 12 months below poverty level!!Male!!6 to 11 years	POVERTY STATUS IN THE PAST 12 MONTHS BY SEX BY AGE	not required	B17001_006M , B17001_006MA , B17001_006EA	0	int	B17001 N/A
B17001_007E	Estimate!!Total!!Income in the past 12 months below poverty level!!Male!!12 to 14 years	POVERTY STATUS IN THE PAST 12 MONTHS BY SEX BY AGE	not required	B17001_007M , B17001_007MA , B17001_007EA	0	int	B17001 N/A
B17001_008E				B17001_008M			

Search: B17001_002E 2 of 2 matches

Add Your Geography

https://api.census.gov/data/2016/acs/acs5?get=NAME,B17001_002E,B17001_002M **&for=state:***

5

Find available geographies here:

<https://api.census.gov/data/2016/acs/acs5/geography.html>

<https://api.census.gov/data/2016/acs/acs5/geography.html>

Census Data API: FIPS Geographies in /data/2016/acs/acs5/geography

Reference Date	Geography Level	Geography Hierarchy	Limit
2015-01-01	010	us	
2015-01-01	020	region	
2015-01-01	030	division	
2015-01-01	040	state	
2015-01-01	050	state > county	
2015-01-01	060	state > county > county subdivision	
2015-01-01	140	state > county > tract	
2015-01-01	160	state > place	
2015-01-01	230	state > alaska native regional corporation	
2015-01-01	250	american indian area/alaska native area/hawaiian home land	
2015-01-01	310	metropolitan statistical area/micropolitan statistical area	
2015-01-01	330	combined statistical area	
2015-01-01	350	new england city and town area	
2015-01-01	400	urban area	
2015-01-01	500	state > congressional district	
2015-01-01	950	state > school district (elementary)	
2015-01-01	960	state > school district (secondary)	
2015-01-01	970	state > school district (unified)	
2015-01-01	155	state > place > county	
2015-01-01	070	state > county > county subdivision > place remainder	
2015-01-01	150	state > county > tract > block group	
2015-01-01	795	state > public use microdata area	
2015-01-01	860	zip code tabulation area	
2015-01-01	610	state > state legislative district (upper chamber)	

Put it all Together

`https://api.census.gov/data/2016/acs/acs5?get=NAME,B17001_002E,B17001_002M&for=state:*`

6

Returns data in json format

Output

[https://api.census.gov/data/2016/acs/acs5
?get=NAME,B17001_002E,B17001_002M&for=state:*](https://api.census.gov/data/2016/acs/acs5?get=NAME,B17001_002E,B17001_002M&for=state:*)

```
[["NAME", "B17001_002E", "B17001_002M", "state"],  
["Alabama", "868666", "11290", "01"],  
["Alaska", "72826", "2617", "02"],  
["Arizona", "1165636", "11825", "04"],  
["Arkansas", "542431", "8531", "05"],
```

Continued...

Groups Functionality

- Pull More Than 50 Variables with One Call
- Groups for 2016 ACS5

<https://api.census.gov/data/2016/acs/acs5/groups.html>

- Example for ACS5: Group B17001

[https://api.census.gov/data/2016/acs/acs5?get=group\(B17001\)&for=us:*](https://api.census.gov/data/2016/acs/acs5?get=group(B17001)&for=us:*)

- All variable names will appear first followed by all the values in the output

Stay Connected: The Developers Page

www.census.gov/developers/

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United States Census Bureau

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Developers

About this Section

- API Forum
- App Gallery
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- Geography
- Guidance for Developers
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- Terms of Service
- Updates

The Census Bureau has begun rolling out our datasets via APIs. Check out our [Discovery Tool](#). Sign up for our [newsletter](#) to get the latest updates and newest dataset addition. We also invite you to make requests for features / data via our [forum](#).

[Read More](#)

CITY SDK
MYOM: Make Your Own Maps!

Developers' Forum
(Gitter.im)

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CitySDK Tutorial with Jeff M...
Toolbox for civic innovators to connect local government data

Latest

Updates Available APIs News

County Business Patterns and Nonemployer Statistics (1986-2016)
April 19, 2018
Annual statistics on U.S. businesses with and without paid employees or payroll at detailed levels of geography and industry. Both surveys use NAICS codes.

International Trade (Time Series: 2005 - present)
March 21, 2018
The International Trade Datasets provide detailed monthly and annual statistics on trade

Request a KEY
Developers Events Res

Is this page helpful? X
Yes No

Available APIs for ACS

www.census.gov/data/developers/data-sets.html

The screenshot shows a web browser window with the URL <https://www.census.gov/data/developers/data-sets.html>. The page title is "Available APIs". The left sidebar contains a navigation menu with the following items: "About this Section", "API Forum", "App Gallery", "Available APIs" (highlighted with a red circle), "Geography", "Guidance for Developers", "News", "Terms of Service", and "Updates". Below the menu is a graphic that says "Request a KEY" with "Developers" and "Events, Res" visible below it. The main content area is titled "Available APIs" and contains the following text: "We plan on adding more of our publicly available datasets. Here you'll find which of our many data sets are currently available via API. To make specific requests for the release of datasets, please sign up and submit your requests on our Developer Forum." Below this is a "NEW" announcement: "We now have a machine-readable dataset discovery service available in beta release. Visit our Discovery Tool page to learn more." A pagination indicator shows "Page 1 of 2 >". The list of APIs includes: "American Community Survey 1-Year Data (2011-2016)" (September 14, 2017), "American Community Survey 3 Year Data (2012-2013)" (September 15, 2016), "American Community Survey 5-Year Data (2009-2016)" (September 15, 2016), "American Community Survey Migration Flows (2009-2015)" (September 15, 2016), "American Community Survey Supplemental (2014 - 2016)" (October 20, 2017), "Annual Survey of Entrepreneurs" (August 17, 2017), and "Annual Survey of Manufactures API (Time Series: 2002-2016)". A "Request a KEY" graphic is also present. In the bottom right corner, there is a "Is this page helpful?" survey with "Yes" and "No" buttons.

Available APIs for ACS

- ACS 1-Year Data (2011-2016)
- ACS 3-Year Data (2012-2013)
- ACS 5-Year Data (2009-2016)
- ACS Migration Flows (2009-2015)
- Supplemental (2014-2016)

Outline

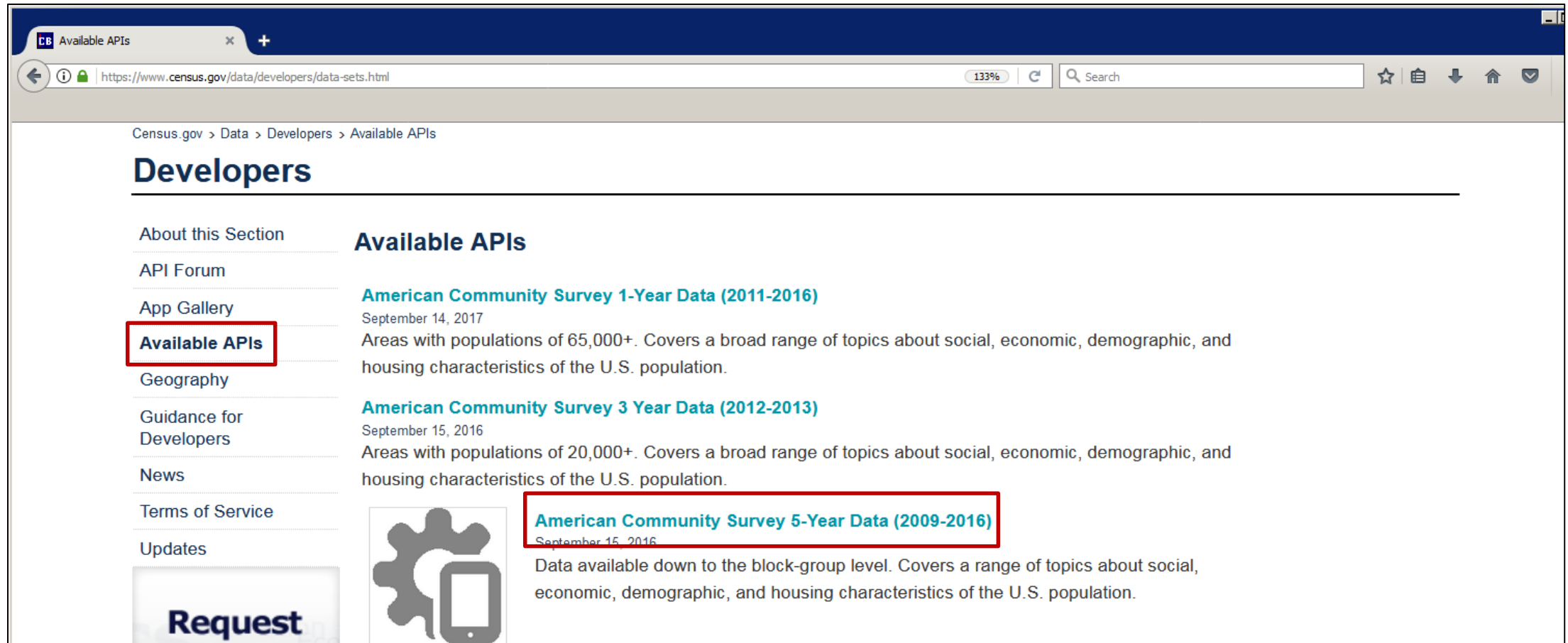
- ACS and Census API Basics
- Using the API
- Building an API Request
- **API Demo**
- Resources for Learning More
- Stay in Touch
- Questions

Live Demo

- For all parishes in Louisiana, what percent of people/households:
 - Have a disability
 - Have income below the poverty level
 - Do not have a vehicle at home

Example: Disability, Poverty, and Vehicle Availability for all Louisiana Parishes

- Select Your Dataset On The Developers Page



The screenshot shows a web browser window with the URL <https://www.census.gov/data/developers/data-sets.html>. The page title is "Available APIs". The breadcrumb trail is "Census.gov > Data > Developers > Available APIs". The main heading is "Developers". On the left sidebar, the "Available APIs" link is highlighted with a red box. The main content area lists three APIs:

- American Community Survey 1-Year Data (2011-2016)**
September 14, 2017
Areas with populations of 65,000+. Covers a broad range of topics about social, economic, demographic, and housing characteristics of the U.S. population.
- American Community Survey 3 Year Data (2012-2013)**
September 15, 2016
Areas with populations of 20,000+. Covers a broad range of topics about social, economic, demographic, and housing characteristics of the U.S. population.
- American Community Survey 5-Year Data (2009-2016)**
September 15, 2016
Data available down to the block-group level. Covers a range of topics about social, economic, demographic, and housing characteristics of the U.S. population.

At the bottom left of the main content area, there is a "Request" button and an icon of a gear and a smartphone.

- Choose Type of Table/Profile
- Select “Examples and Supported Geography”

Developers

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American Community Survey 5-Year Data (2009-2016)

2016

2015

2014

2013

2012

▶

Detailed Tables:

- API Call:
- 2016 ACS Detailed Tables Variables [[html](#) | [xml](#) | [json](#)]
- [ACS Technical Documentation](#)
- [Examples and Supported Geography](#)

Subject Tables:

- API Call:
- 2016 ACS Subject Tables Variables [[html](#) | [xml](#) | [json](#)]
- [ACS Technical Documentation](#)
- [Examples and Supported Geography](#)

Data Profiles:

- API Call:
- 2016 ACS Data Profiles Variables [[html](#) | [xml](#) | [json](#)]
- [ACS Technical Documentation](#)
- [Examples and Supported Geography](#)

Related Information

■ Select “examples”

Census Data API: /data/2016/acs...

https://api.census.gov/data/2016/acs/acs5/profile.html

Census API: Datasets in /data/2016/acs/acs5/profile and its descendants

Title	Description	Vintage	Dataset Name	Geography List	Variable List	Group List	Tag List	Examples	Developer Documentation	API Base URL
ACS 5-Year Data Profile	The American Community Survey (ACS) is an ongoing survey that provides data every year -- giving communities the current information they need to plan investments and services. The ACS covers a broad range of topics about social, economic, demographic, and housing characteristics of the U.S. population. The data profiles include the following geographies: nation, all states (including DC and Puerto Rico), all metropolitan areas, all congressional districts, all counties, all places and all tracts. Data profiles contain broad social, economic, housing, and demographic information. The data are presented as both counts and percentages. There are over 2,400 variables in this dataset.	2016	acs> acs5> profile	geographies	variables	groups	N/A	examples	documentation	https://api.census.gov/data/2016/acs/acs5/profile
1 dataset										

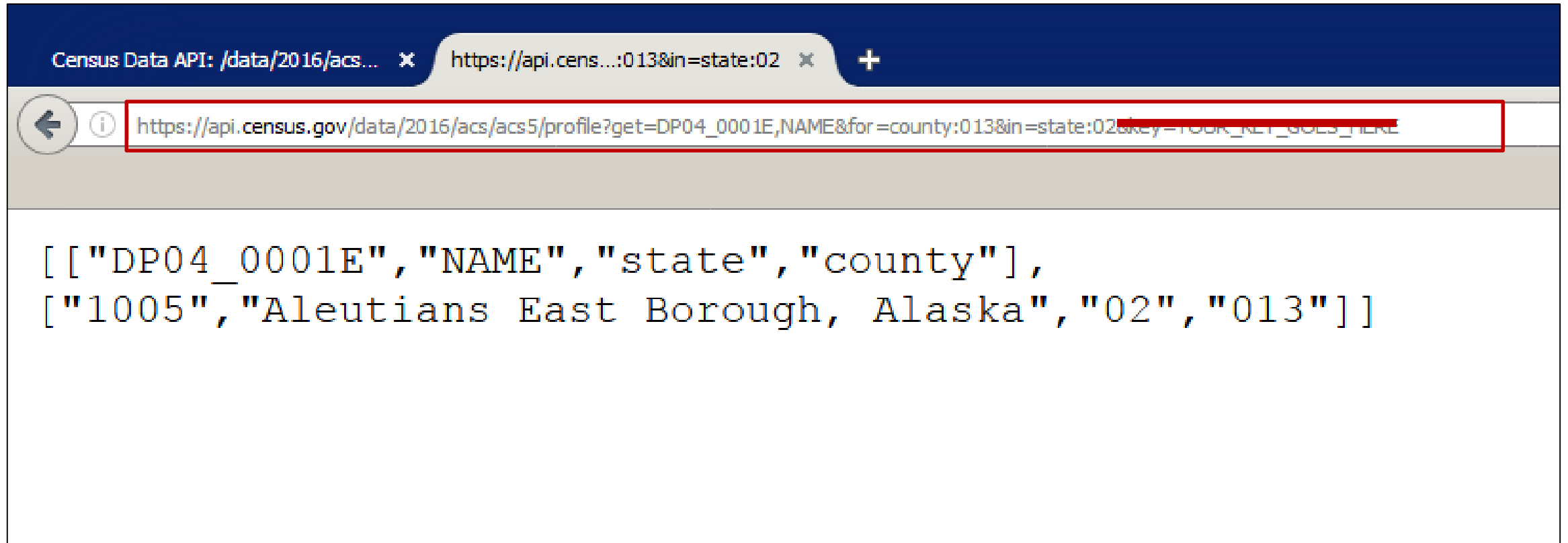
<https://api.census.gov/data/2016/acs/acs5/profile.html>

- **Choose Your Geography** – Explore the available geographic levels on the left, copy a sample URL, and open a new tab

Geography Hierarchy	Example URL
us	https://api.census.gov/data/2016/acs/acs5/profile?get=DP04_0001E.NAME&for=us:*&key=YOUR_KEY_GOES_HERE
	https://api.census.gov/data/2016/acs/acs5/profile?get=DP04_0001E.NAME&for=us:1&key=YOUR_KEY_GOES_HERE
state	https://api.census.gov/data/2016/acs/acs5/profile?get=DP04_0001E.NAME&for=state:*&key=YOUR_KEY_GOES_HERE
	https://api.census.gov/data/2016/acs/acs5/profile?get=DP04_0001E.NAME&for=state:01&key=YOUR_KEY_GOES_HERE
state > county	https://api.census.gov/data/2016/acs/acs5/profile?get=DP04_0001E.NAME&for=county:*&key=YOUR_KEY_GOES_HERE
	https://api.census.gov/data/2016/acs/acs5/profile?get=DP04_0001E.NAME&for=:*&in=state:*&key=YOUR_KEY_GOES_HERE
	https://api.census.gov/data/2016/acs/acs5/profile?get=DP04_0001E.NAME&for=county:013&in=state:02&key=YOUR_KEY_GOES_HERE
	https://api.census.gov/data/2016/acs/acs5/profile?get=DP04_0001E.NAME&for=county%20subdivision:*&in=state:36&key=YOUR_KEY_GOES_HERE

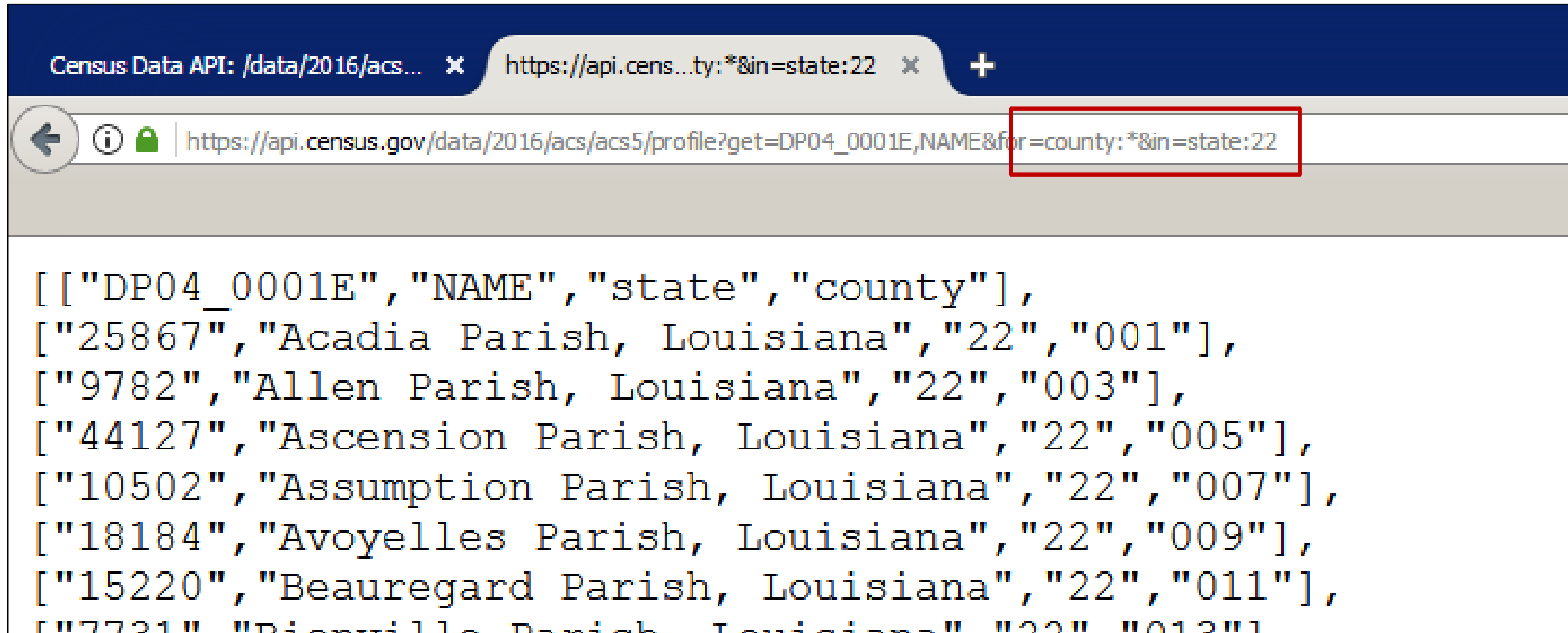
<https://api.census.gov/data/2016/acs/acs5/profile/examples.html>

- Paste A Sample URL Into The Address Bar
- Enter Your API Key Or Delete “&key=YOUR_KEY_GOES_HERE”
- Press Enter And View Results



https://api.census.gov/data/2016/acs/acs5/profile?get=DP04_0001E,NAME&for=county:013&in=state:02

- **Edit Geography Selection To Retrieve All Louisiana Parishes** – In this example, use a wildcard (*) for county and code **22** for state



```
[["DP04_0001E", "NAME", "state", "county"],  
["25867", "Acadia Parish, Louisiana", "22", "001"],  
["9782", "Allen Parish, Louisiana", "22", "003"],  
["44127", "Ascension Parish, Louisiana", "22", "005"],  
["10502", "Assumption Parish, Louisiana", "22", "007"],  
["18184", "Avoyelles Parish, Louisiana", "22", "009"],  
["15220", "Beauregard Parish, Louisiana", "22", "011"],  
["7721", "Bienville Parish, Louisiana", "22", "012"]]
```

https://api.census.gov/data/2016/acs/acs5/profile?get=DP04_0001E,NAME&for=county:*&in=state:22

- Find Your Variables: Click variables from the dataset page

Census API: Datasets in /data/2016/acs/acs5/profile and its descendants

Title	Description	Vintage	Dataset Name	Geography List	Variable List	Group List	Tag List	Examples	Developer Documentation	API Base URL
ACS 5-Year Data Profile	The American Community Survey (ACS) is an ongoing survey that provides data every year -- giving communities the current information they need to plan investments and services. The ACS covers a broad range of topics about social, economic, demographic, and housing characteristics of the U.S. population. The data profiles include the following geographies: nation, all states (including DC and Puerto Rico), all metropolitan areas, all congressional districts, all counties, all places and all tracts. Data profiles contain broad social, economic, housing, and demographic information. The data are presented as both counts and percentages. There are over 2,400 variables in this dataset.	2016	acs > acs5 > profile	geographies	variables	groups	N/A	examples	documentation	https://api.census.gov/data/2016/acs/acs5/profile

<https://api.census.gov/data/2016/acs/acs5/profile.html>

- **Find Your Variables (cont.):** Search the webpage (**CTRL+F**) to find your variable(s) of interest, such as **DP02_0071PE**, the percent of the population with a disability

The screenshot shows a web browser window with the URL <https://api.census.gov/data/2016/acs/acs5/profile/variables.html>. The page displays a table of variables. A search for "disability" is performed, resulting in 1 of 48 matches. The variable **DP02_0071PE** is highlighted in red, and its description, "Percent!!DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION!!Total Civilian Noninstitutionalized Population!!With a disability", is also circled in red.

DP02_0070E	Estimate!! DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION!!Total Civilian Noninstitutionalized Population	SELECTED SOCIAL CHARACTERISTICS OF THE UNITED STATES
DP02_0070PE	Percent!!DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION!!Total Civilian Noninstitutionalized Population	SELECTED SOCIAL CHARACTERISTICS OF THE UNITED STATES
DP02_0071E	Estimate!!DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION!!Total Civilian Noninstitutionalized Population!!With a disability	SELECTED SOCIAL CHARACTERISTICS OF THE UNITED STATES
DP02_0071PE	Percent!!DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION!!Total Civilian Noninstitutionalized Population!!With a disability	SELECTED SOCIAL CHARACTERISTICS OF THE UNITED STATES

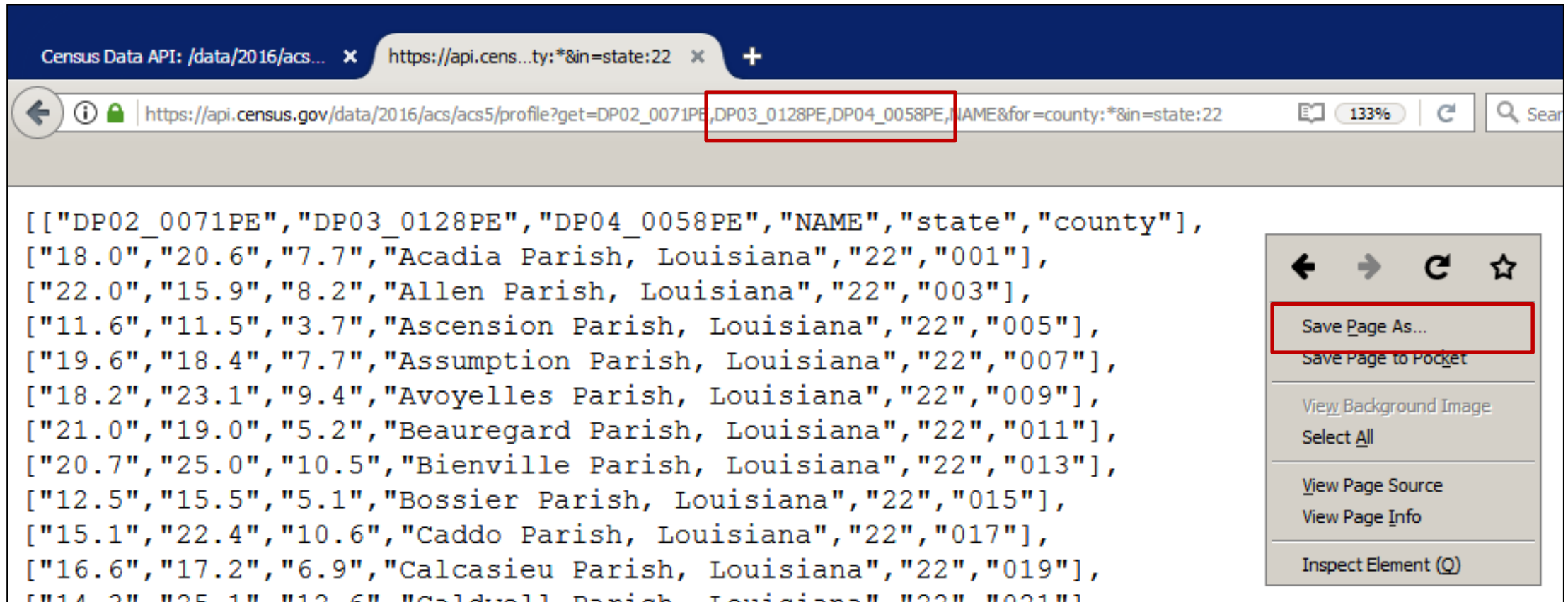
Search results: 1 of 48 matches Reached end of page, continued from top

- **Update Query With Variable Of Interest, DP02_0071PE**
- **View Results** – Approximately 18% of the population in Acadia Parish, Louisiana has a disability

```
[["DP02_0071PE", "NAME", "state", "county"],  
["18.0", "Acadia Parish, Louisiana", "22", "001"],  
["22.0", "Allen Parish, Louisiana", "22", "003"],  
["11.6", "Ascension Parish, Louisiana", "22", "005"],  
["19.6", "Assumption Parish, Louisiana", "22", "007"],  
["19.2", "Avoyelles Parish, Louisiana", "22", "009"]]
```

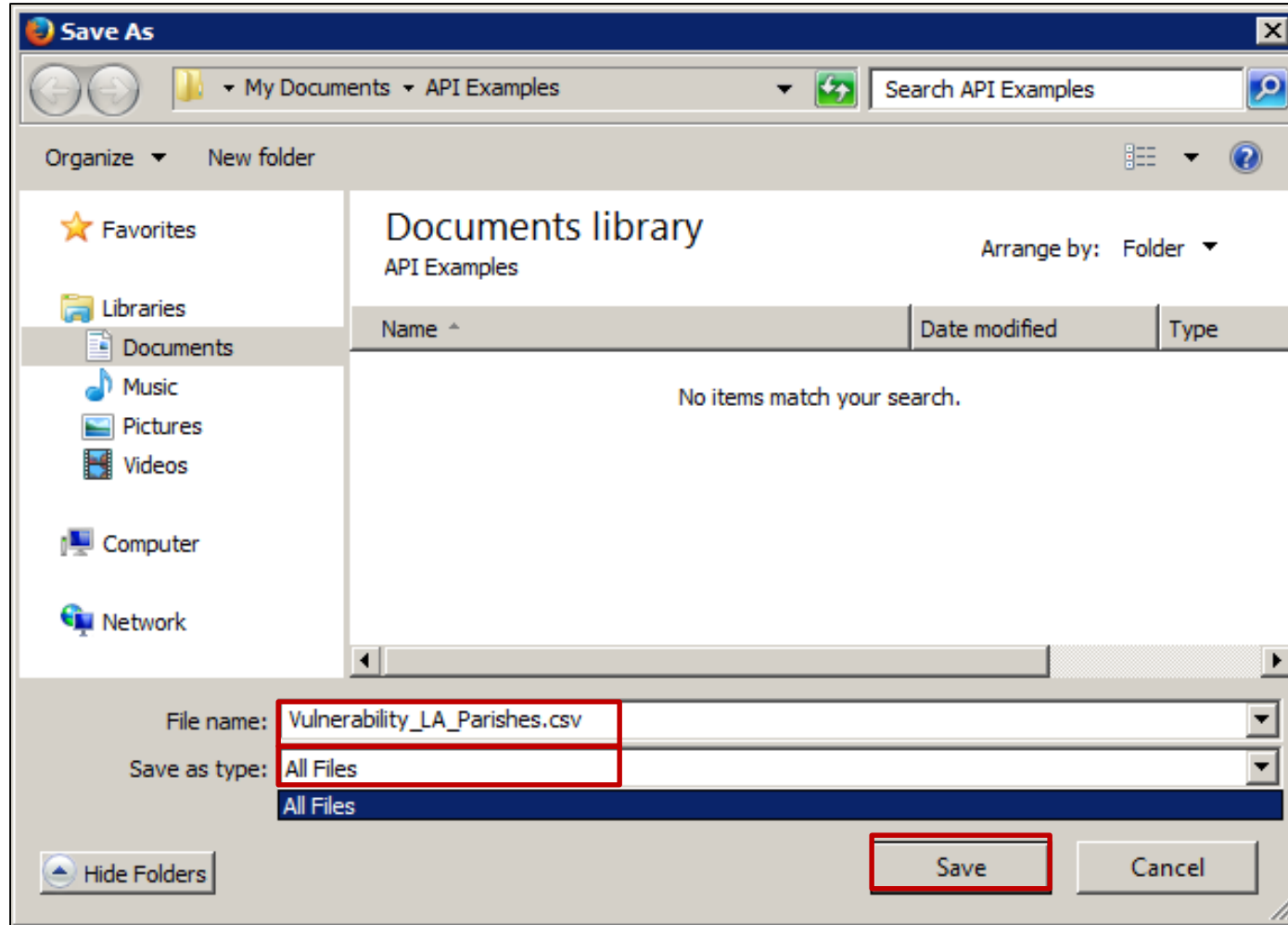
https://api.census.gov/data/2016/acs/acs5/profile?get=DP02_0071PE,NAME&for=county:*&in=state:22

- **Add Additional Variables Of Interest** – DP03_0128PE, DP04_0058PE
- **Save Results** – In this example, right click the page and select **Save Page As**



https://api.census.gov/data/2016/acs/acs5/profile?get=DP02_0071PE,DP03_0128PE,DP04_0058PE,NAME&for=county:*&in=state:22

- **Save As .csv** – Add **.csv** to the end of your filename and select **All Files** from the Save as type dropdown menu



- Open .csv In Excel – Each variable has its own column for easy viewing

	A	B	C	D	E	F	G
1	["DP02_0071PE"	DP03_0128PE	DP04_0058PE	NAME	state	county]	
2	["18.0"	20.6	7.7	Acadia Parish, Louisiana	22	001]	
3	["22.0"	15.9	8.2	Allen Parish, Louisiana	22	003]	
4	["11.6"	11.5	3.7	Ascension Parish, Louisiana	22	005]	
5	["19.6"	18.4	7.7	Assumption Parish, Louisiana	22	007]	
6	["18.2"	23.1	9.4	Avoyelles Parish, Louisiana	22	009]	
7	["21.0"	10	5.2	Beourgard Parish, Louisiana	22	011]	

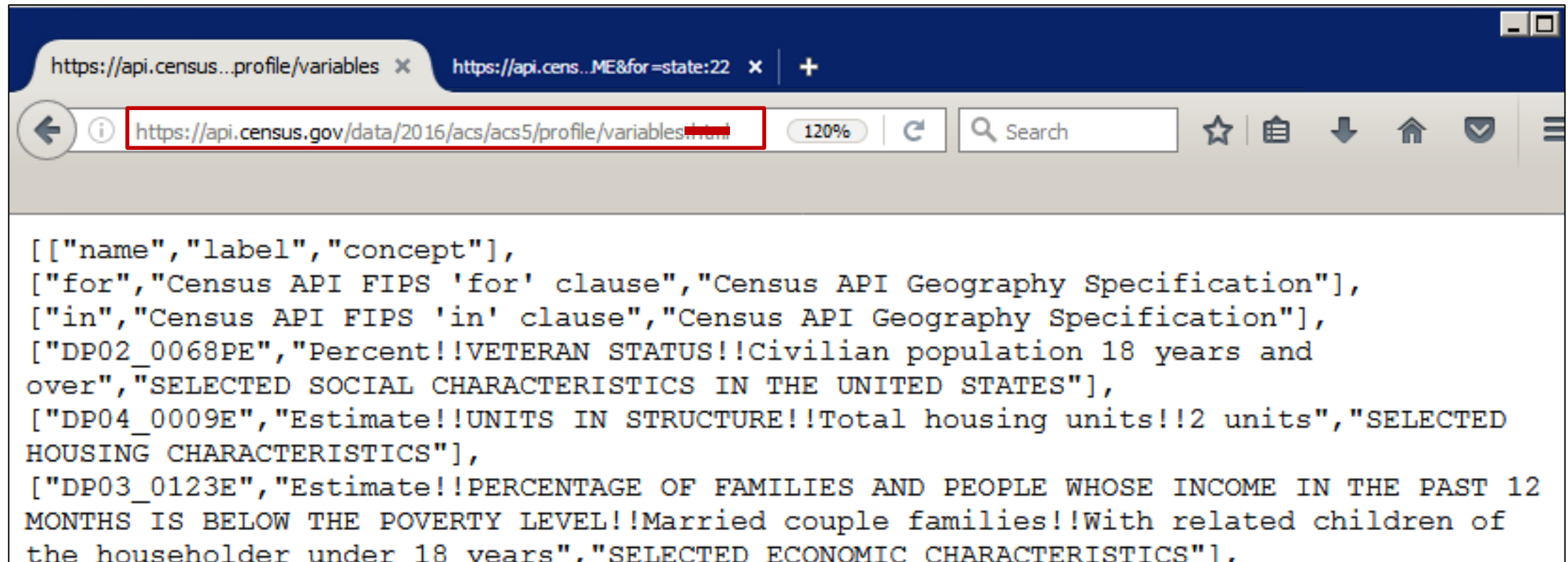
- Format As Desired**– In this example, use Excel’s Find and Replace. Copy the open bracket [, paste into **find what**, and select **Replace All**. Repeat this step for the quote “ and closed bracket]

The screenshot shows an Excel spreadsheet with the following data:

	A	B	C	D	E
1	[[["DP02_0071PE"	DP03_0128PE	DP04_0058PE	NAME	state
2	["18.0"			Louisiana	
3	["22.0"			Louisiana	
4	["11.6"			sh, Louisiana	
5	["19.6"			rish, Louisiana	
6	["18.2"			h, Louisiana	22 009]
7	["21.0"			5-7 Beauregard Parish, Louisiana	22 011]

The **Find and Replace** dialog box is open, with the **Replace** tab selected. The **Find what:** field contains the character **[**. The **Replace All** button is highlighted. In the background, the **Find & Select** menu is open, with the **Replace...** option highlighted.

- **Run API Query To Get A List Output Containing All Variables In The 2016 Data Profiles** – Delete **.html** from the webpage you pulled the variables from to run the query. Save as results as **.csv**.



<https://api.census.gov/data/2016/acs/acs5/profile/variables>

Copy And Paste List Of Variables Into A New Worksheet In Vulnerability_LA_Parishes.csv

The screenshot shows an Excel spreadsheet with the following data:

name	label	concept
DP02_0001E	Estimate!!HOUSEHOLDS BY TYPE!!Total households	SELECTED SOCIAL CHARACTER
DP02_0001PE	Percent!!HOUSEHOLDS BY TYPE!!Total households	SELECTED SOCIAL CHARACTER
DP02_0002E	Estimate!!HOUSEHOLDS BY TYPE!!Total households!!Family househol	SELECTED SOCIAL CHARACTER
DP02_0002PE	Percent!!HOUSEHOLDS BY TYPE!!Total households!!Family household	SELECTED SOCIAL CHARACTER
DP02_0003E	Estimate!!HOUSEHOLDS BY TYPE!!Total households!!Family househol	SELECTED SOCIAL CHARACTER
DP02_0003PE	Percent!!HOUSEHOLDS BY TYPE!!Total households!!Family household	SELECTED SOCIAL CHARACTER

- Use **VLOOKUP** Function To Pull Matching Variable Labels Into Table
 - Insert new row for row 2
 - Type **=VLOOKUP(**
 - Click cell **A1** and type a comma (,). This tells Excel you want to find a match for **DP02_0071PE**

	A	B	C	D	E	F
1	DP02_0071PE	DP03_0128PE	DP04_0058PE	NAME	state	county
2	=VLOOKUP(A1,					
3	18	20.6	7.7	Acadia Parish, Louisiana	22	1
4	22	15.9	8.2	Allen Parish, Louisiana	22	3
5	11.6	11.5	3.7	Ascension Parish, Louisiana	22	5
6	19.6	18.4	7.7	Assumption Parish, Louisiana	22	7
7	18.2	23.1	9.4	Avoyelles Parish, Louisiana	22	9

■ Use VLOOKUP Function (continued)

- Click **Sheet 1** to open the worksheet with the variable names and labels
- **Select all contents of this table.** This tells Excel to look for a match for DP02_0071PE somewhere in this table.
- Press **F4** one time to lock the location and enter a comma (,).

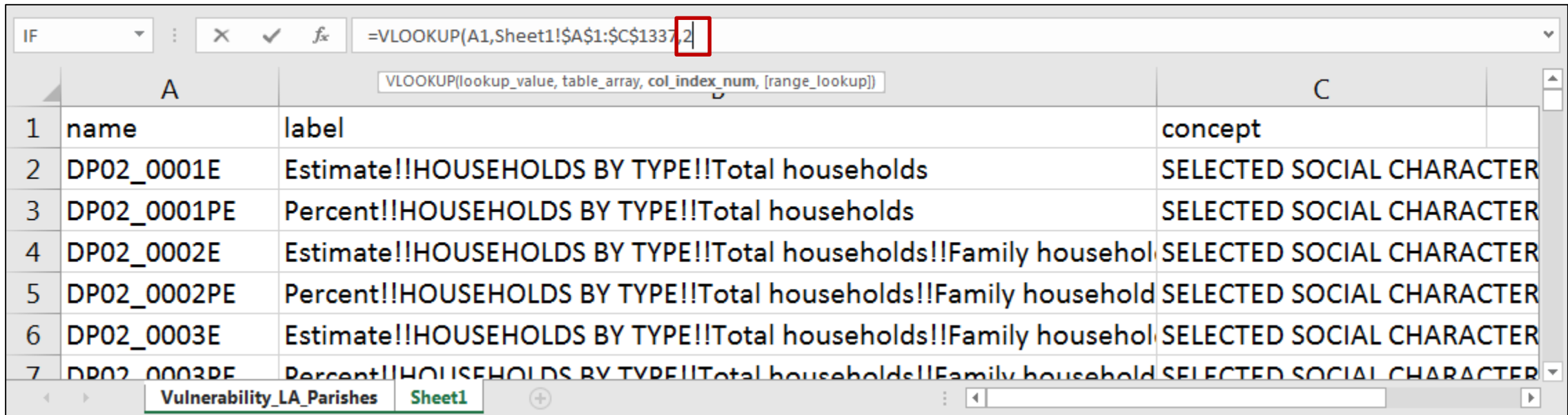
The screenshot shows an Excel spreadsheet with a VLOOKUP formula in cell A1. The formula bar displays `=VLOOKUP(A1,Sheet1!A1:C1337`. The formula tooltip below it shows `VLOOKUP(lookup_value, table_array, col_index_num, [range_lookup])`. The data table is highlighted with a red border and contains the following information:

1	name	label	concept
2	DP02_0001E	Estimate!!HOUSEHOLDS BY TYPE!!Total households	SELECTED SOCIAL CHARACTER
3	DP02_0001PE	Percent!!HOUSEHOLDS BY TYPE!!Total households	SELECTED SOCIAL CHARACTER
4	DP02_0002E	Estimate!!HOUSEHOLDS BY TYPE!!Total households!!Family househol	SELECTED SOCIAL CHARACTER
5	DP02_0002PE	Percent!!HOUSEHOLDS BY TYPE!!Total households!!Family household	SELECTED SOCIAL CHARACTER
6	DP02_0003E	Estimate!!HOUSEHOLDS BY TYPE!!Total households!!Family househol	SELECTED SOCIAL CHARACTER
7	DP02_0003PE	Percent!!HOUSEHOLDS BY TYPE!!Total households!!Family household	SELECTED SOCIAL CHARACTER

The spreadsheet tabs at the bottom are labeled "Vulnerability_LA_Parishes" and "Sheet1".

■ Use VLOOKUP Function (continued)

- Enter a **2** and then a comma (,). This tells Excel pull the corresponding label in column B when it finds a matching variable name in the table.



The screenshot shows an Excel spreadsheet with a formula bar at the top containing the formula `=VLOOKUP(A1,Sheet1!A1:C1337,2)`. The number '2' in the formula is highlighted with a red box. Below the formula bar, a data table is visible with columns A, B, and C. The table contains the following data:

	A	B	C
1	name	label	concept
2	DP02_0001E	Estimate!!HOUSEHOLDS BY TYPE!!Total households	SELECTED SOCIAL CHARACTER
3	DP02_0001PE	Percent!!HOUSEHOLDS BY TYPE!!Total households	SELECTED SOCIAL CHARACTER
4	DP02_0002E	Estimate!!HOUSEHOLDS BY TYPE!!Total households!!Family househol	SELECTED SOCIAL CHARACTER
5	DP02_0002PE	Percent!!HOUSEHOLDS BY TYPE!!Total households!!Family household	SELECTED SOCIAL CHARACTER
6	DP02_0003E	Estimate!!HOUSEHOLDS BY TYPE!!Total households!!Family househol	SELECTED SOCIAL CHARACTER
7	DP02_0003PE	Percent!!HOUSEHOLDS BY TYPE!!Total households!!Family household	SELECTED SOCIAL CHARACTER

■ Use VLOOKUP Function (continued)

- Enter **0**) and press **enter** to specify that you want exact matches only, and to complete the VLOOKUP function.

The screenshot shows an Excel spreadsheet with the following data:

	A	B	C
1	name	label	concept
2	label	Estimate!!HOUSEHOLDS BY TYPE!!Total households	SELECTED SOCIAL CHARACTER
3	DP02_0001PE	Percent!!HOUSEHOLDS BY TYPE!!Total households	SELECTED SOCIAL CHARACTER
4	DP02_0002E	Estimate!!HOUSEHOLDS BY TYPE!!Total households!!Family househol	SELECTED SOCIAL CHARACTER
5	DP02_0002PE	Percent!!HOUSEHOLDS BY TYPE!!Total households!!Family household	SELECTED SOCIAL CHARACTER
6	DP02_0003E	Estimate!!HOUSEHOLDS BY TYPE!!Total households!!Family househol	SELECTED SOCIAL CHARACTER
7	DP02_0003PE	Percent!!HOUSEHOLDS BY TYPE!!Total households!!Family household	SELECTED SOCIAL CHARACTER

The formula bar shows the formula: `=VLOOKUP(A1,Sheet1!A1:C1337,1,0)`. The number `0` in the formula is highlighted with a red box.

- Drag The Function From Cell A2 To Cells B2 & C2
- View Your Variable Labels And Table

Vulnerability_LA_Parishes - Excel

File Home Insert Page Layout Formulas Data Review View Add-ins HP ALM HP ALM Upload Add-in ACROBAT Tell me... Tyson Weister (CEN... Share

Clipboard Font Alignment Number Styles Cells Editing

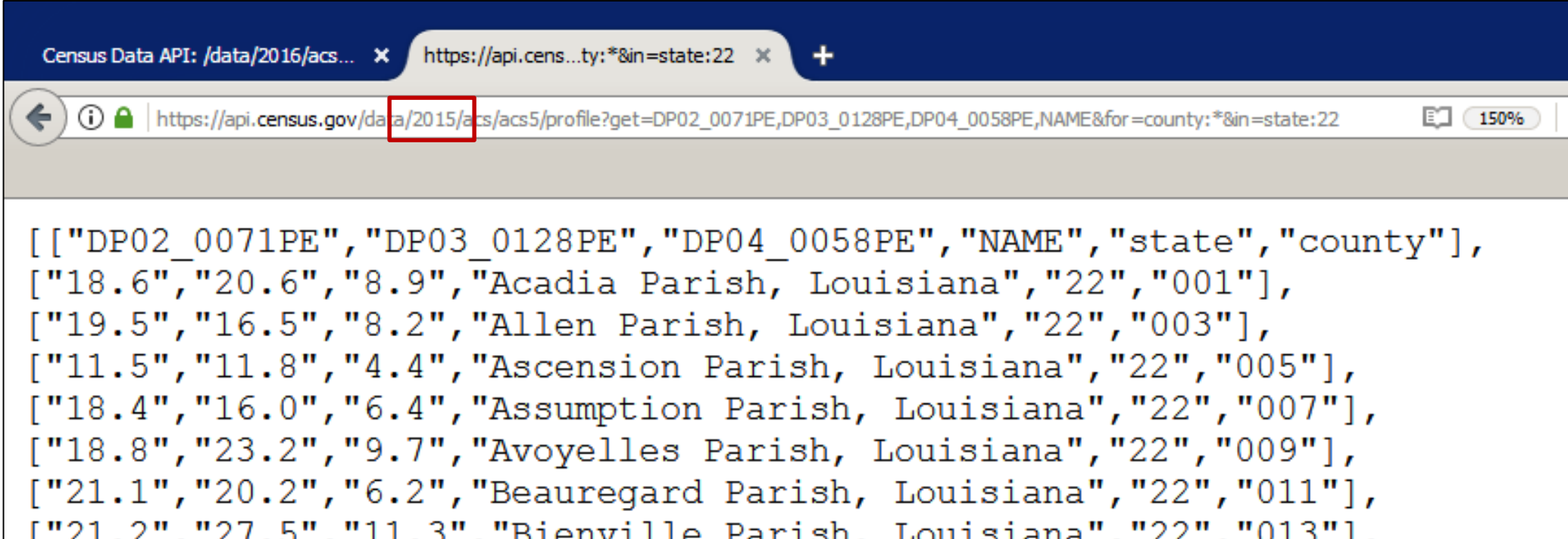
A2 =VLOOKUP(A1,Sheet1!\$A\$1:\$C\$1337,2,0)

	A	B	C	D	E	F
1	DP02_0071PE	DP03_0128PE	DP04_0058PE	NAME	state	county
2	Percent!!DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION!!Total Civilian Noninstitutionalized Population!!With a disability	Percent!!PERCENTAGE OF FAMILIES AND PEOPLE WHOSE INCOME IN THE PAST 12 MONTHS IS BELOW THE POVERTY LEVEL!!All people	Percent!!VEHICLES AVAILABLE!!Occupied housing units!!No vehicles available			
3	18	20.6	7.7	Acadia Parish, Louisiana	22	1
4	22	15.9	8.2	Allen Parish, Louisiana	22	3
5	11.6	11.5	3.7	Ascension Parish, Louisiana	22	5
6	19.6	18.4	7.7	Assumption Parish, Louisiana	22	7
7	18.2	23.1	9.4	Avoyelles Parish, Louisiana	22	9
8	21	19	5.2	Beauregard Parish, Louisiana	22	11

Vulnerability_LA_Parishes Sheet1

■ Update Year In Your Query To 2015 To Retrieve Results Over Time

- Most variables are consistent from year to year but check for table changes on the ACS website
- API endpoints are in the process of being standardized across years to follow the format of YYYY/**acs**/DATASET (e.g. 2016/**acs**/acs5). Users may need to add/delete the **/acs** across years until the standardization has been completed.



```
[["DP02_0071PE", "DP03_0128PE", "DP04_0058PE", "NAME", "state", "county"],
["18.6", "20.6", "8.9", "Acadia Parish, Louisiana", "22", "001"],
["19.5", "16.5", "8.2", "Allen Parish, Louisiana", "22", "003"],
["11.5", "11.8", "4.4", "Ascension Parish, Louisiana", "22", "005"],
["18.4", "16.0", "6.4", "Assumption Parish, Louisiana", "22", "007"],
["18.8", "23.2", "9.7", "Avoyelles Parish, Louisiana", "22", "009"],
["21.1", "20.2", "6.2", "Beauregard Parish, Louisiana", "22", "011"],
["21.2", "27.5", "11.3", "Bienville Parish, Louisiana", "22", "013"]]
```

https://api.census.gov/data/2015/acs/acs5/profile?get=DP02_0071PE,DP03_0128PE,DP04_0058PE,NAME&for=county:*&in=state:22



Outline

- ACS and Census API Basics
- Using the API
- Building an API Request
- API Demo
- **Resources for Learning More**
- Stay in Touch
- Questions

New/Modified/Deleted Tables

American Community Survey (ACS)

About the Survey **2016 ACS 1-year Estimates**

Respond to the Survey  

News & Updates

Data

- [New Tables](#)
- [Modified Tables](#)

Guidance for Data Users

Geography & ACS

Technical Documentation

Code Lists, Definitions, and Accuracy

User Notes

Errata

Data Suppression

Table & Geography Changes

Modified Tables

Computer and Internet

- Detailed Table [B28001](#) was modified to match changes in types of computers in the 2016 questionnaire, such as the addition of a category for tablets.
- Detailed Table [B28002](#) was modified to match changes in types of Internet subscriptions in the 2016 questionnaire. For example, individual categories for cable, fiber optic and DSL were deleted. A single category - "Broadband such as cable, fiber optic, or DSL" - was added.

Language

census.gov/programs-surveys/acs/technical-documentation/table-and-geography-changes.html

Visualizing Table/Variable Changes

B28002_004E

2016

	United States
	Estimate
Total:	118,860,065
With an Internet subscription	97,307,412
Dial-up with no other type of Internet subscription	510,666
Broadband of any type	96,796,746
Cellular data plan	81,066,266
Cellular data plan with no other type of Internet subscription	12,405,627
Cellular data plan with other type of Internet subscription	68,660,639

2015

	United States
	Estimate
Total:	118,208,250
With an Internet subscription:	91,313,308
Dial-up alone	667,676
DSL:	14,786,484
With mobile broadband	5,959,037
Without mobile broadband	8,827,447
Cable modem:	49,444,157

Benefits of API Compared to American FactFinder or Summary File

- **Get the exact variables and geographies you need**
- **Quickly update queries to get data across years:** Most variables are consistent from year to year
- **Easily merge results:** List of geographies is consistent within a particular ACS dataset in the API

Example: Table B07012 “All Parishes in Louisiana”

```

https://api.census.gov/data/2016/acs/acs1?get=B07012_014E,NAME&for=county:*&in=state:22

[["B07012_014E", "NAME", "state", "county"],
[null, "Ascension Parish, Louisiana", "22", "005"],
["1419", "Bossier Parish, Louisiana", "22", "015"],
["1299", "Caddo Parish, Louisiana", "22", "017"],
["722", "Calcasieu Parish, Louisiana", "22", "019"]

```

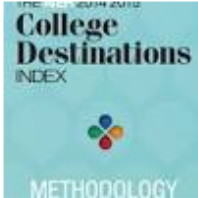
	Bossier Parish, Louisiana		Caddo Parish, Louisiana	
	Estimate	Margin of Error	Estimate	Margin of Error
Total:	119,649	+/-1,304	240,453	+/-1,299
Moved from different county within same state:	3,786	+/-1,551	3,440	+/-1,299
Below 100 percent of the poverty level	1,419	+/-1,276	1,299	+/-1,299

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Source Us!


U.S. Census Bureau's [YYYY-YYYY] American Community Survey
[1/3/5]-year [estimates/statistics/data release]



College Destinations: How We Rank Them
American Institute for Economic Research - Apr 7, 2014
Sources: U.S. Census Bureau; American Community Survey, 2011
American Community Survey 1-Year Estimates, Table B01003;
using ...



NMSU Valencia County Extension providing youth develo...
New Mexico State University NewsCenter - Apr 14, 2015
... Mexico and \$53,046 for the United States, according to the U.S.
Census Bureau's 2009-2013 American Community Survey 5-Year
Estimate.



Census Estimates Show Progress Toward ACA Coverag...
Health Affairs (blog) - Sep 28, 2015
Source: U.S. Census Bureau, 2013 and 2014 American
Community Survey 1-year estimates from Table S2701 in American
Fact Finder.

Data Tells Stories. Tell Us Yours!

The image shows a screenshot of the 'Share Your ACS Data Story' form on the census.gov website. The form is titled 'Share Your ACS Data Story' and includes a navigation menu with 'GEOGRAPHY', 'LIBRARY', 'DATA', and 'SURVEYS/PROGRAMS'. The main content area contains the following text: 'We want to hear about how you use American Community Survey (ACS) data to make an important decision, help your community, open/expand a business, etc? If so, we are eager to learn more about how you use ACS data in action. Share your story by completing the fields below to help us showcase the value of the ACS.' Below this is a link to 'ACS data stories' and a note '* Indicates a required field'. The form has three main sections: 'Your Story *' with a text area, 'Outcome *' with a text area, and 'Your data details' with a text area. Three circular callouts are overlaid on the form: 'Your story' points to the top navigation, 'Your outcome' points to the 'Outcome' section, and 'Your data details' points to the 'Your data details' section.

census.gov/acs/www/share-your-story/index.php

Continue the Conversation #ACSdata



Sign up for and manage alerts at
<https://public.govdelivery.com/accounts/USCENSUS/subscriber/new>



Social media: @uscensusbureau



More information online:
<https://www.census.gov/acs>



Gitter API Forum:
<https://gitter.im/uscensusbureau/general>



1-800-923-8282 (Census)
1-866-437-0171 (API)



Slack API Forum:
<https://uscensusbureau.slack.com>



acso.users.support@census.gov (ACS)
cnmp.developers.list@census.gov (API)

Questions?

Upcoming/Recent Webinars

Upcoming Webinars:

- June 27: Using the Census Bureau 2017 Planning Database
- August 1: Geographic Areas and Concepts for the ACS

census.gov/programs-surveys/acs/news/events.html

Recent Webinars:

- How to Use Geodatabase Files and ArcMap
- Using ACS Estimates and Margins of Error
- Using the Census Bureau's ACS for Assessment Officials
- Intro to the ACS Public Use Microdata Sample (PUMS) Files

census.gov/programs-surveys/acs/guidance/training-presentations.html



- Purpose:
 - Improve understanding of the value and utility of ACS data.
 - Promote information sharing among data users about key ACS data issues and applications
- Membership is free and open to all interested ACS data users
- Webinars and special sessions at professional meetings planned
- Users group website and online community
- API Group at:
<https://acsdatacommunity.prb.org/acs-data-products--resources/api/f/15/t/158>

acsdatacommunity.prb.org

Need Local Stats?

- Assistance Near You!
Our regional data staff can help you access local statistics from the ACS or offer training to help build your skills.
- Contact us at:
1-844-ASK-DATA
(1-844-275-3282)
census.askdata@census.gov

