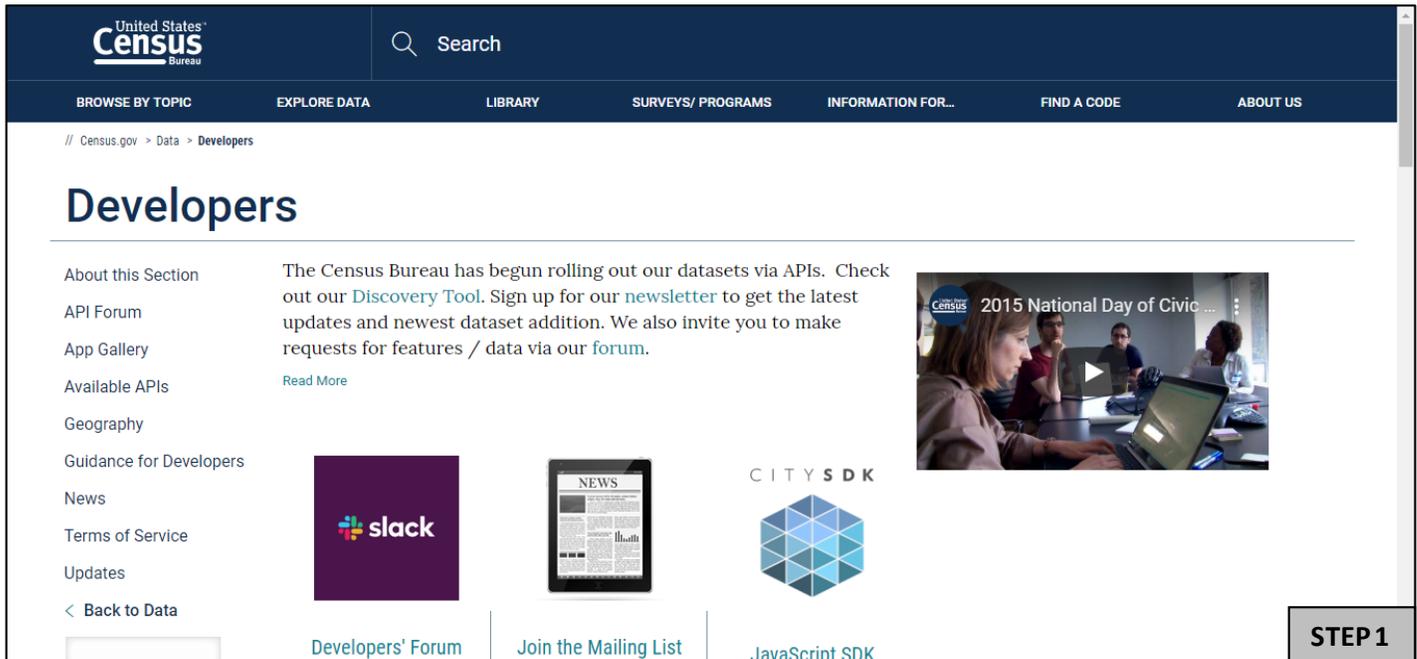


Instruction for Downloading Data from the Census Data API: Decennial Census Self-Response Rates (2010) for All Counties in Florida

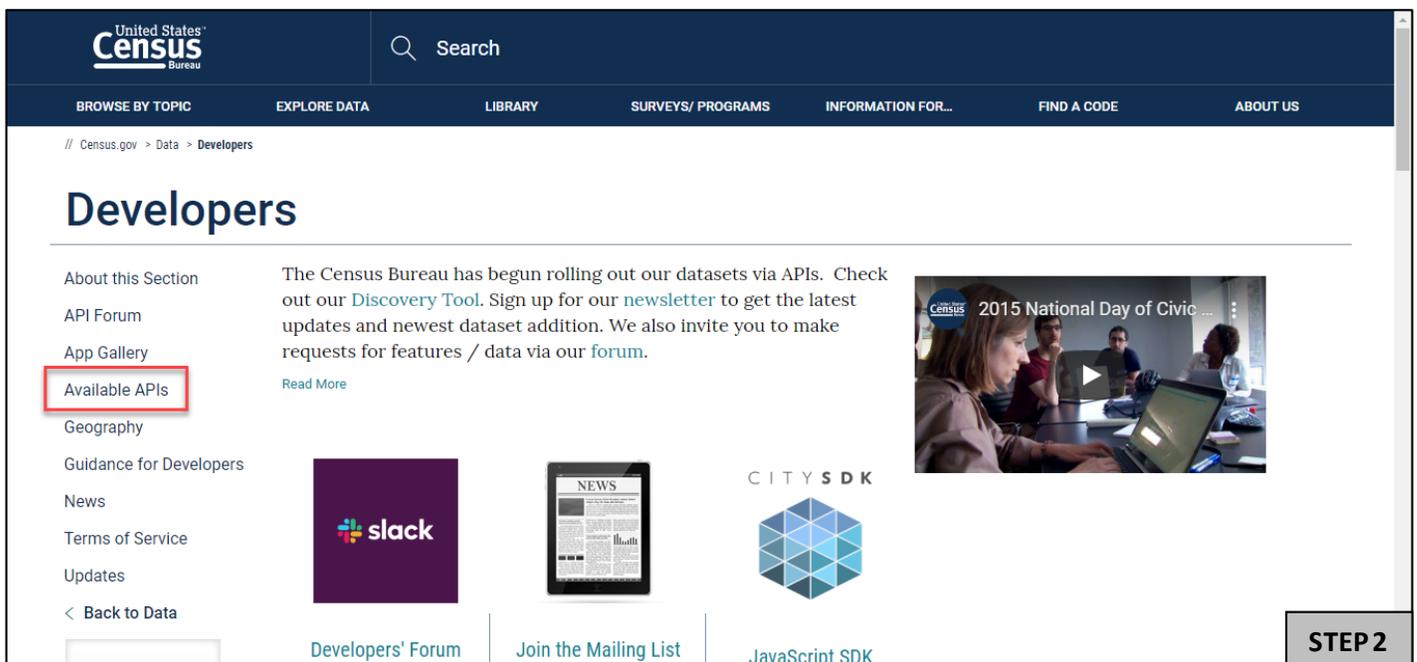
Follow these steps for building an API call (or a URL) for pulling data from the Decennial Census Self-Response Rates (2010) for All Counties in Florida.

Step 1: Using Chrome web browser, go to the census.gov Developers Page at: <https://www.census.gov/developers/>.



The screenshot shows the top navigation bar of the Census.gov website with the logo and a search bar. Below the navigation bar, the breadcrumb trail reads "Census.gov > Data > Developers". The main heading is "Developers". On the left sidebar, the "Available APIs" link is highlighted with a red box. The main content area includes a description of the API section, a "Read More" link, and three featured items: "Developers' Forum" with a Slack logo, "Join the Mailing List" with a newspaper icon, and "JavaScript SDK" with a City SDK logo. A video player for "2015 National Day of Civic ..." is visible on the right. A grey box in the bottom right corner contains the text "STEP 1".

Step 2. On the left side of the screen, click on "Available APIs".



This screenshot is identical to the one above, showing the Census.gov Developers page. The "Available APIs" link in the left sidebar is highlighted with a red box. The rest of the page content, including the navigation bar, breadcrumb trail, main heading, and featured items, remains the same. A grey box in the bottom right corner contains the text "STEP 2".

Step 3: Scroll down the page and click on Decennial Census Self-Response Rates (2010).

NOVEMBER 21, 2019
County Business Patterns and Nonemployer Statistics (1986-2017)
 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.

SEPTEMBER 15, 2016
Decennial Census (2010, 2000, 1990)
 Population data by sex, age, race, Hispanic origin and more. Housing data by occupancy, vacancy status, and tenure. Highest geographic resolution (all levels).

MARCH 06, 2020
Decennial Census Self-Response Rates (2010)
 Self-response rates as a reference point for states, counties, cities, census tracts, and various other geographies around the country.

DECEMBER 15, 2016
Decennial Census Surname Files (2010, 2000)
 Tabulations of all surnames occurring 100 or more times in the 2010 Census and Census 2000 returns are provided at the national level only.

SEPTEMBER 19, 2019
Economic Census (2017, 2012, 2007, 2002)
 Economic and business data, down to the county level, includes number of establishments, sales and receipts, annual payroll, number of employees and more.

STEP 3

Step 4. Scroll down until you see “Decennial Self-Response Rates 2010.” Click on <https://api.census.gov/data/2010/dec/responserate.html>

2010

2010

Decennial Self-Response Rates 2010

- API Call: api.census.gov/data/2010/dec/responserate
- Examples and Supported Geographies:
api.census.gov/data/2010/dec/responserate.html
- Variables: api.census.gov/data/2010/dec/responserate/variables.html
- Example call:
[api.census.gov/data/2010/dec/responserate?
 get=GEO_ID,FSRR2010&for=state:*&key=YOUR_KEY_GOES_HERE](https://api.census.gov/data/2010/dec/responserate?get=GEO_ID,FSRR2010&for=state:*&key=YOUR_KEY_GOES_HERE)

STEP 4

Step 5. Click on “examples.”

Census API: Datasets in /data/2010/dec/responserate and its descendants

| Title | Description | Vintage | Dataset Name | Dataset Type | Geography List | Variable List | Group List | Examples | Developer Documentation | API Base URL |
|--|--------------------------------|---------|------------------|--------------|----------------|---------------|------------|----------|-------------------------|---|
| Decennial Census: Decennial Self-Response Rate | Final 2010 Self-Response Rates | 2010 | dec-responserate | Aggregate | geographies | variables | groups | examples | documentation | https://api.census.gov/data/2010/dec/responserate |
| <i>1 dataset</i> | | | | | | | | | | |

STEP 5

Step 6. Under state> county. Copy/paste the URL into Firefox or Chrome if you are not already using these web browsers.

https://api.census.gov/data/2010/dec/responserate?get=GEO_ID,FSRR2010&for=county:*&in=state:*&key=YOUR_KEY_GOES_HERE

We are going to use this URL to build an API call for decennial census self-response rates (2010) for all counties in Florida.

| Census API: Examples for /data/2010/dec/responserate | | |
|--|-----------------|---|
| Geography Hierarchy | Geography Level | Example URL |
| us | 010 | https://api.census.gov/data/2010/dec/responserate?get=GEO_ID,FSRR2010&for=us:*&key=YOUR_KEY_GOES_HERE |
| | | https://api.census.gov/data/2010/dec/responserate?get=GEO_ID,FSRR2010&for=us:1&key=YOUR_KEY_GOES_HERE |
| region | 020 | https://api.census.gov/data/2010/dec/responserate?get=GEO_ID,FSRR2010&for=region:*&key=YOUR_KEY_GOES_HERE |
| | | https://api.census.gov/data/2010/dec/responserate?get=GEO_ID,FSRR2010&for=region:1&key=YOUR_KEY_GOES_HERE |
| state | 040 | https://api.census.gov/data/2010/dec/responserate?get=GEO_ID,FSRR2010&for=state:*&key=YOUR_KEY_GOES_HERE |
| | | https://api.census.gov/data/2010/dec/responserate?get=GEO_ID,FSRR2010&for=state:01&key=YOUR_KEY_GOES_HERE |
| state> county | 050 | https://api.census.gov/data/2010/dec/responserate?get=GEO_ID,FSRR2010&for=county:*&key=YOUR_KEY_GOES_HERE |
| | | https://api.census.gov/data/2010/dec/responserate?get=GEO_ID,FSRR2010&for=county:*&in=state:*&key=YOUR_KEY_GOES_HERE |
| state> county> county subdivision | 060 | https://api.census.gov/data/2010/dec/responserate?get=GEO_ID,FSRR2010&for=county%20subdivision:*&in=state:09&key=YOUR_KEY_GOES_HERE |
| | | https://api.census.gov/data/2010/dec/responserate?get=GEO_ID,FSRR2010&for=county%20subdivision:*&in=state:09&in=county:*&key=YOUR_KEY_GOES_HERE |
| | | https://api.census.gov/data/2010/dec/responserate?get=GEO_ID,FSRR2010&for=county%20subdivision:04720&in=state:09%20county:001&key=YOUR_KEY_GOES_HERE |
| state> county> tract | 140 | https://api.census.gov/data/2010/dec/responserate?get=GEO_ID,FSRR2010&for=tract:*&in=state:01&key=YOUR_KEY_GOES_HERE |
| | | https://api.census.gov/data/2010/dec/responserate?get=GEO_ID,FSRR2010&for=tract:*&in=state:01&in=county:*&key=YOUR_KEY_GOES_HERE |
| state> place | 160 | https://api.census.gov/data/2010/dec/responserate?get=GEO_ID,FSRR2010&for=place:*&key=YOUR_KEY_GOES_HERE |
| | | https://api.census.gov/data/2010/dec/responserate?get=GEO_ID,FSRR2010&for=place:*&in=state:*&key=YOUR_KEY_GOES_HERE |
| | | https://api.census.gov/data/2010/dec/responserate?get=GEO_ID,FSRR2010&for=place:32875&in=state:20&key=YOUR_KEY_GOES_HERE |
| state> consolidated | 170 | https://api.census.gov/data/2010/dec/responserate?get=GEO_ID,FSRR2010&for=consolidated%20city:*&in=state:21&key=YOUR_KEY_GOES_HERE |

STEP 6

Step 7. There are three parts of the URL that you will need to change:

- a) First, add the geographic area name, NAME, to the URL.

At the (**?get=**) portion of the URL add "**NAME,**" Adding NAME will give us the labels associated with the geographies instead of only the geographic code.

https://api.census.gov/data/2010/dec/responserate?get=NAME,GEO_ID,FSRR2010&for=state:*&key=YOUR_KEY_GOES_HERE

- b) Since we want to build a URL for the all counties in Florida, change the (**=state:***) to (**=state:12**).

https://api.census.gov/data/2010/dec/responserate?get=NAME,GEO_ID,FSRR2010&for=county:*&in=state:12&key=YOUR_KEY_GOES_HERE

- c) Last, delete the portion of the URL, **&key=YOUR_KEY_GOES_HERE**.

https://api.census.gov/data/2010/dec/responserate?get=NAME,GEO_ID,FSRR2010&for=county:*&in=state:12

Step 8: After making these adjustments to the URL, the final query is:

https://api.census.gov/data/2010/dec/responserate?get=NAME,GEO_ID,FSRR2010&for=county:*&in=state:12

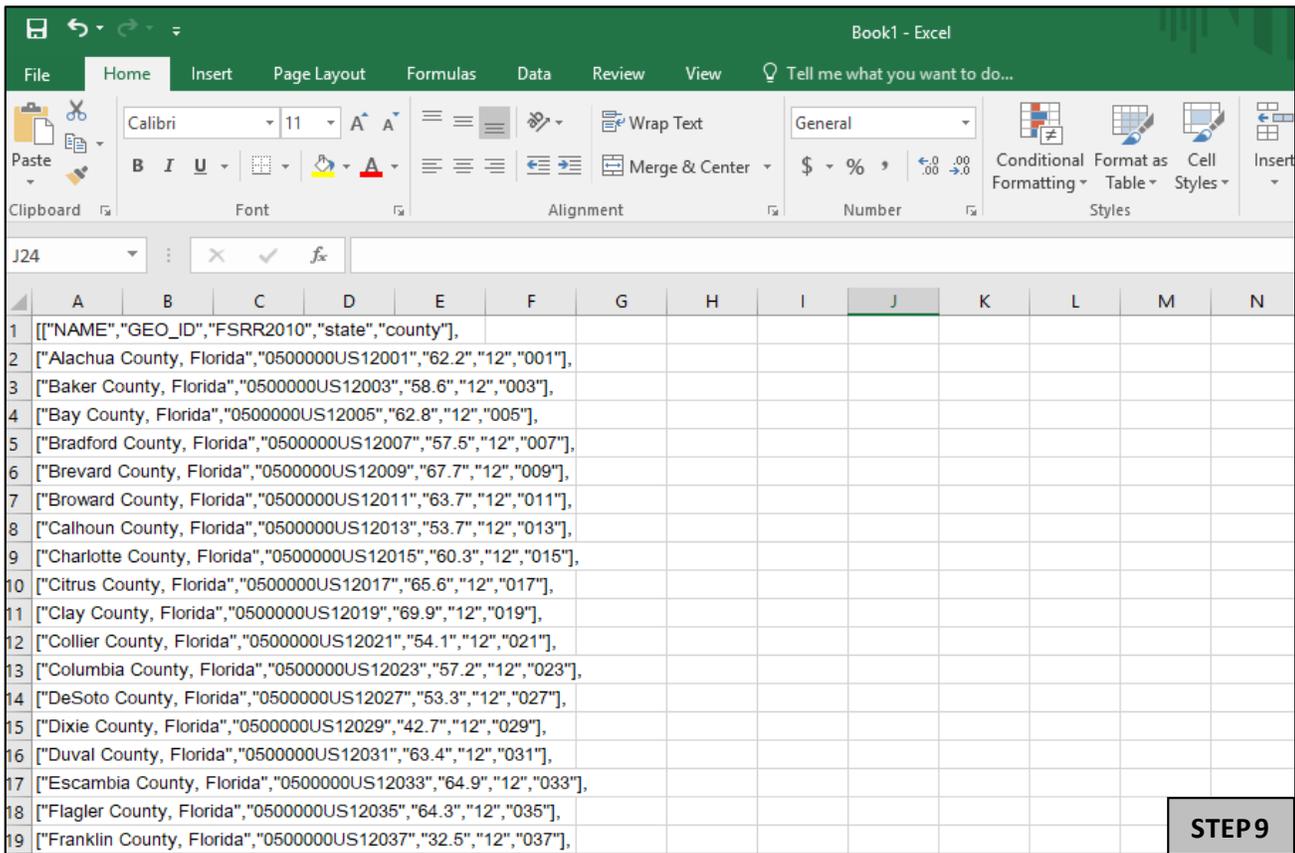
Hit the Enter key to pull the results. The results are in json format. Below are the first few lines.

```
[["NAME","GEO_ID","FSRR2010","state","county"],
["Alachua County, Florida","0500000US12001","62.2","12","001"],
["Baker County, Florida","0500000US12003","58.6","12","003"],
["Bay County, Florida","0500000US12005","62.8","12","005"],
["Bradford County, Florida","0500000US12007","57.5","12","007"],
["Brevard County, Florida","0500000US12009","67.7","12","009"],
["Broward County, Florida","0500000US12011","63.7","12","011"],
["Calhoun County, Florida","0500000US12013","53.7","12","013"],
["Charlotte County, Florida","0500000US12015","60.3","12","015"],
["Citrus County, Florida","0500000US12017","65.6","12","017"],
["Clay County, Florida","0500000US12019","69.9","12","019"],
["Collier County, Florida","0500000US12021","54.1","12","021"],
["Columbia County, Florida","0500000US12023","57.2","12","023"],
["DeSoto County, Florida","0500000US12027","53.3","12","027"],
["Dixie County, Florida","0500000US12029","42.7","12","029"],
["Duval County, Florida","0500000US12031","63.4","12","031"],
["Escambia County, Florida","0500000US12033","64.9","12","033"],
["Flagler County, Florida","0500000US12035","64.3","12","035"],
["Franklin County, Florida","0500000US12037","32.5","12","037"],
["Gadsden County, Florida","0500000US12039","56.6","12","039"],
["Gilchrist County, Florida","0500000US12041","56.4","12","041"],
["Glades County, Florida","0500000US12043","41.4","12","043"],
["Gulf County, Florida","0500000US12045","45","12","045"]
```

STEP 8

Step 9: Copy all of these results into MS Excel:

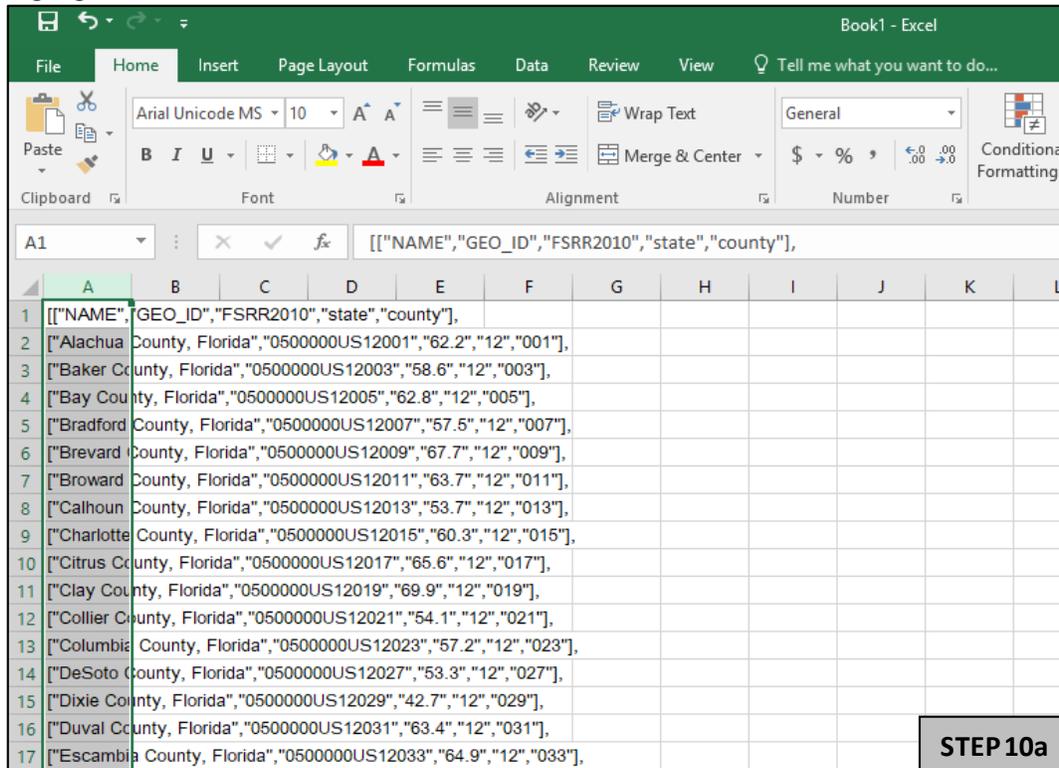
- a) Press Ctrl-A to select all contents on the page
- b) Press Ctrl-C to copy
- c) Paste into the first cell of MS Excel (Ctrl-V)



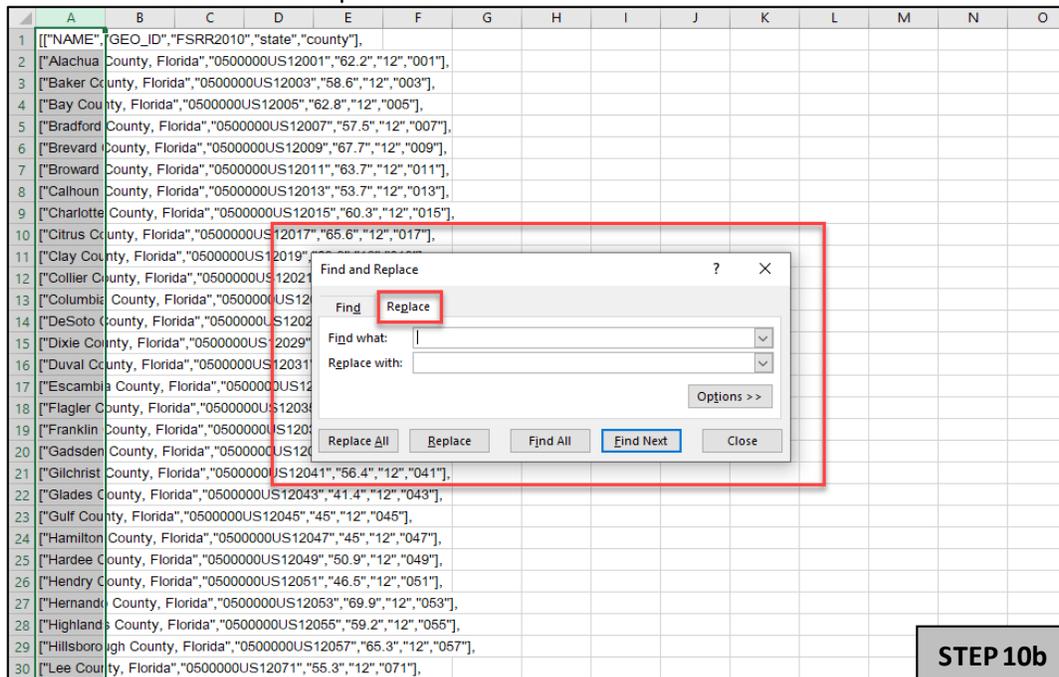
STEP 9

Step 10: Next, we need to format the results in Excel by removing the comma between County and Florida.

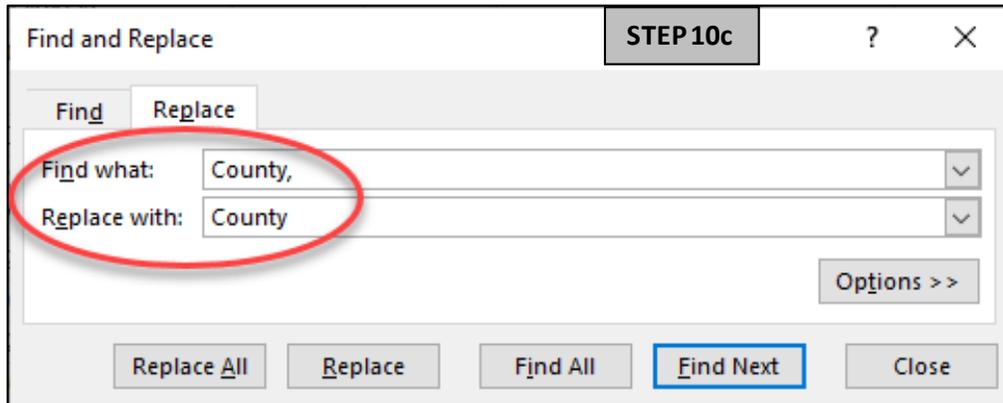
a) Highlight Column A in Excel.



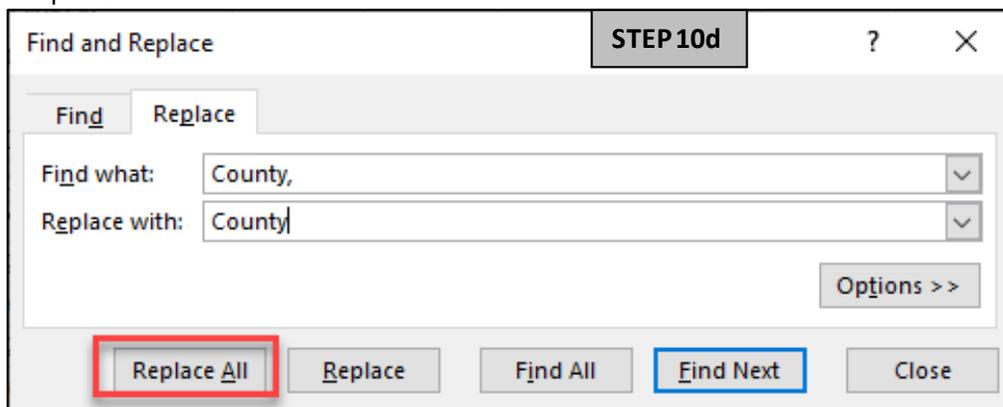
b) Press Ctrl- F and click the Replace Tab



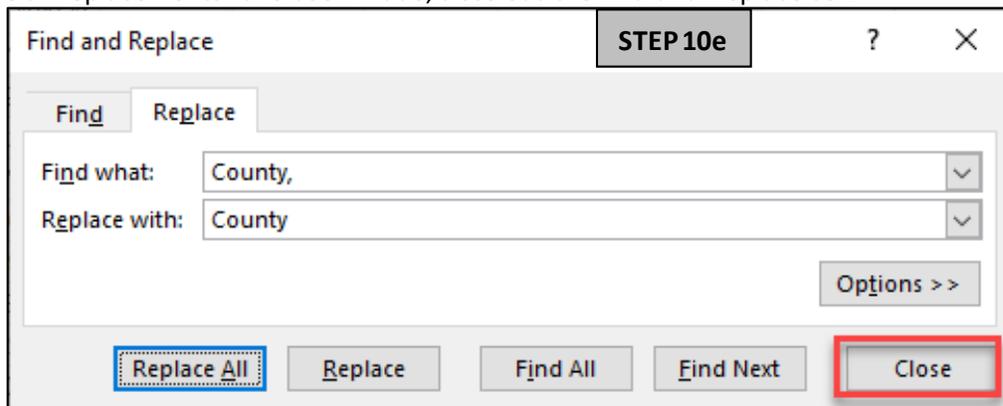
- c) Enter the following:
- a. Find what: **County,**
 - b. Replace: **County**



- d) Click Replace All.

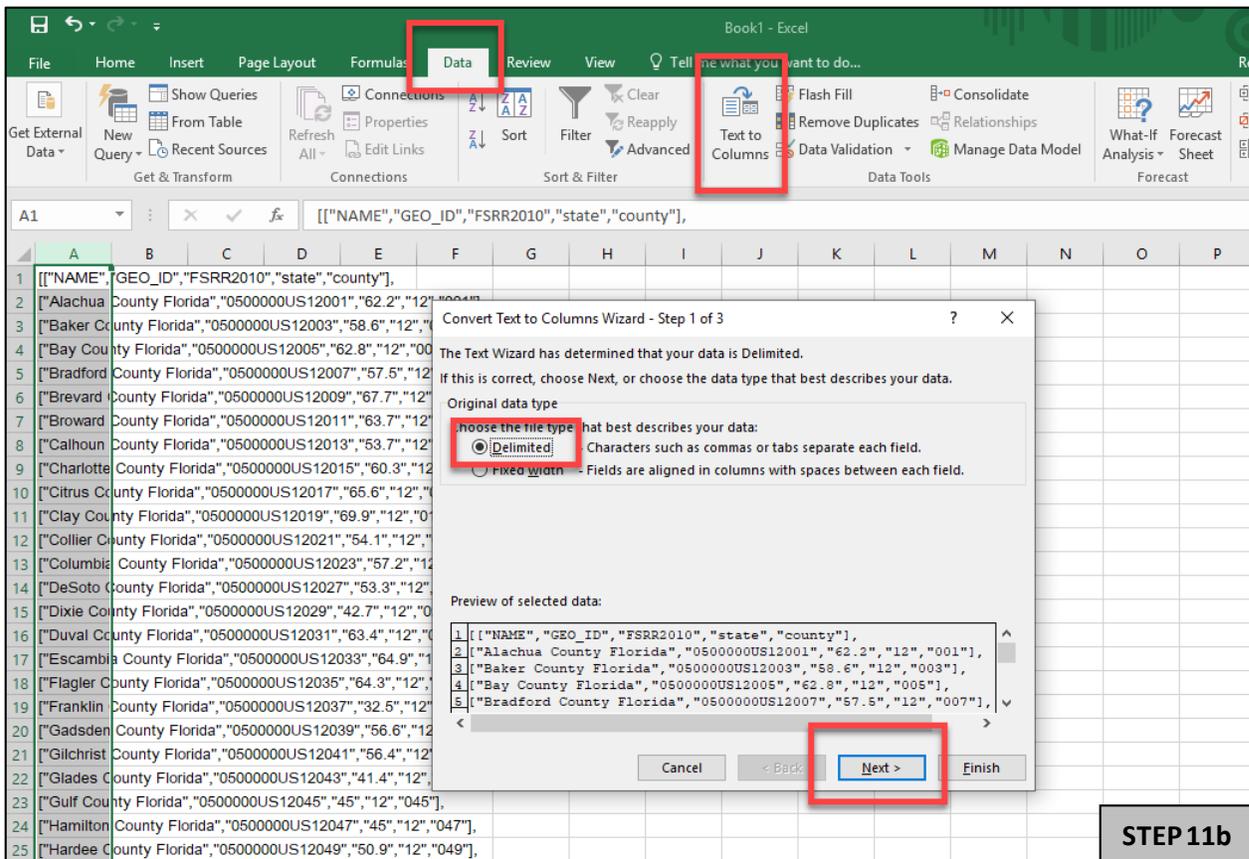


- e) Once all replacements have been made, close out the Find and Replace box.

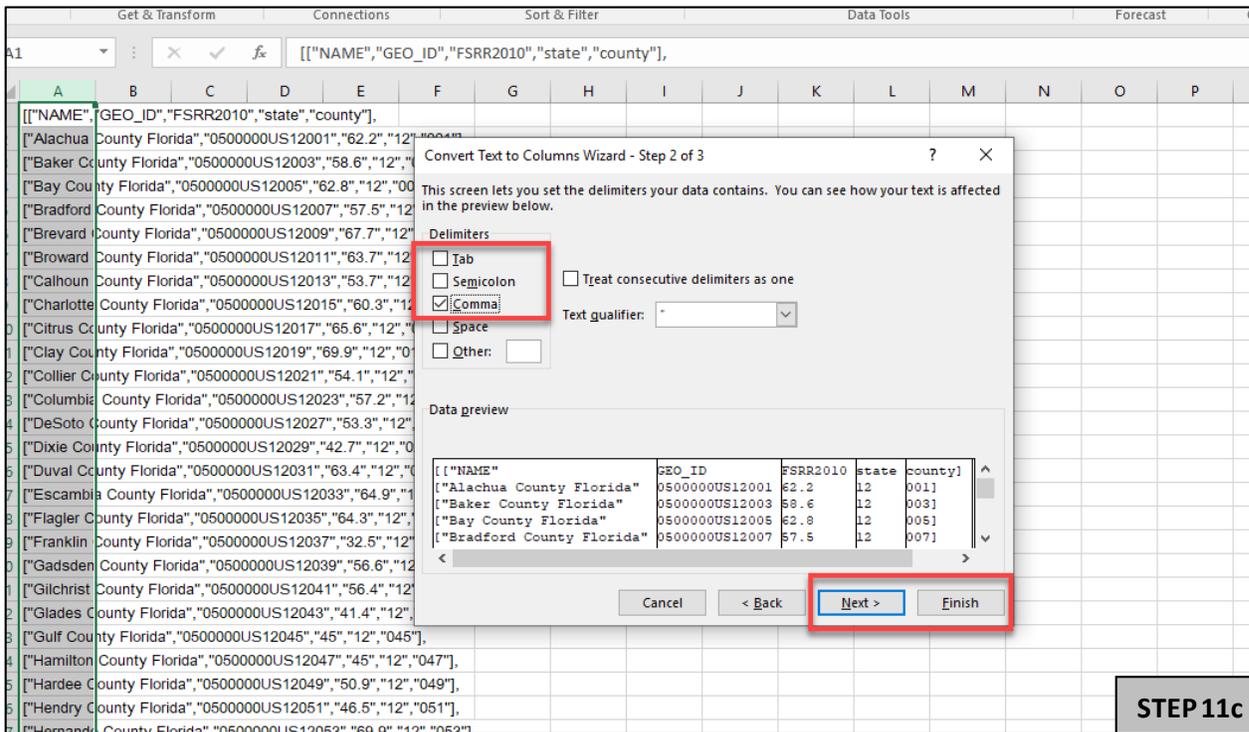


Step 11: Now convert the text to columns.

- a) Highlight column A again.
- b) Click Data -> Click Text to Columns -> Select Delimited -> Click Next.



- c) Uncheck Tab and Check Comma -> Click Next -> Click Finish.



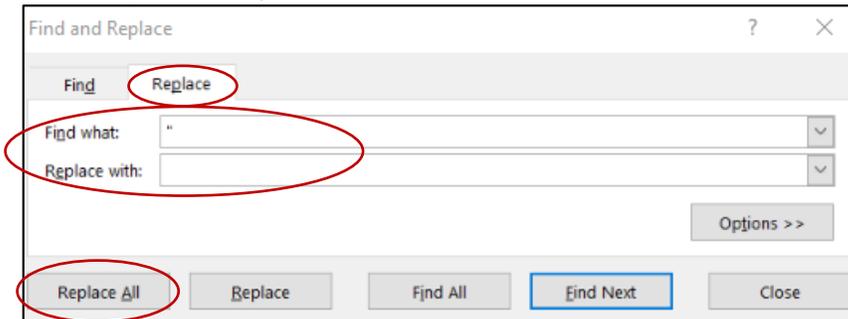
Now, we have our table, but we need to clean up the quotation marks and brackets.

| | A | B | C | D | E | F |
|----|-----------------------------|----------------|----------|-------|---------|---|
| 1 | ["NAME" | GEO_ID | FSRR2010 | state | county] | |
| 2 | ["Alachua County Florida" | 0500000US12001 | 62.2 | 12 | 001] | |
| 3 | ["Baker County Florida" | 0500000US12003 | 58.6 | 12 | 003] | |
| 4 | ["Bay County Florida" | 0500000US12005 | 62.8 | 12 | 005] | |
| 5 | ["Bradford County Florida" | 0500000US12007 | 57.5 | 12 | 007] | |
| 6 | ["Brevard County Florida" | 0500000US12009 | 67.7 | 12 | 009] | |
| 7 | ["Broward County Florida" | 0500000US12011 | 63.7 | 12 | 011] | |
| 8 | ["Calhoun County Florida" | 0500000US12013 | 53.7 | 12 | 013] | |
| 9 | ["Charlotte County Florida" | 0500000US12015 | 60.3 | 12 | 015] | |
| 10 | ["Citrus County Florida" | 0500000US12017 | 65.6 | 12 | 017] | |
| 11 | ["Clay County Florida" | 0500000US12019 | 69.9 | 12 | 019] | |
| 12 | ["Collier County Florida" | 0500000US12021 | 54.1 | 12 | 021] | |
| 13 | ["Columbia County Florida" | 0500000US12023 | 57.2 | 12 | 023] | |
| 14 | ["DeSoto County Florida" | 0500000US12027 | 53.3 | 12 | 027] | |
| 15 | ["Dixie County Florida" | 0500000US12029 | 42.7 | 12 | 029] | |
| 16 | ["Duval County Florida" | 0500000US12031 | 63.4 | 12 | 031] | |
| 17 | ["Escambia County Florida" | 0500000US12033 | 64.9 | 12 | 033] | |

Step 12: To remove the quotation marks and brackets:

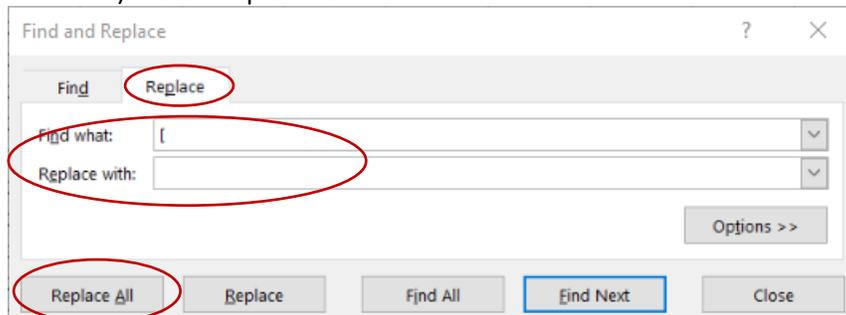
Quotation Marks

- Press Ctrl- F and click the Replace tab.
- Enter the following:
 - Find what: "
 - Replace: *(leave this blank)*
- Click Replace All



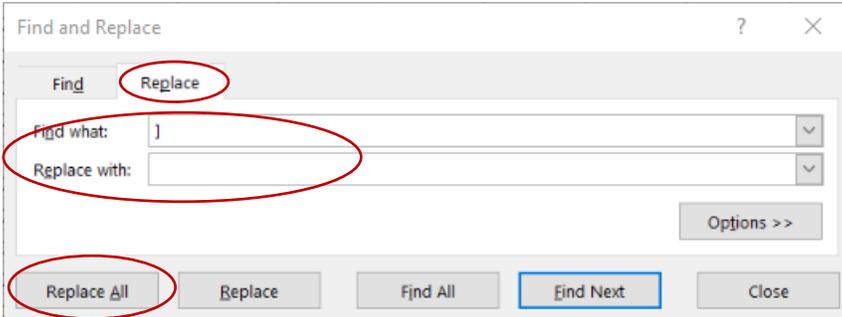
Left Brackets

- Press Ctrl- F and click the Replace tab.
- Enter the following:
 - Find what: [
 - Replace: *(leave this blank)*
- Click Replace All



Right Brackets

- a) Press Ctrl- F and Click the Replace Tab
- b) Enter the following
 - Find what:]
 - Replace: *(leave this blank)*
- c) Click Replace All



Now, we have our table for all counties in Florida.

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P |
|----|-----------------------------|----------------|----------|-------|--------|---|---|---|---|---|---|---|---|---|---|---|
| 1 | NAME | GEO_ID | FSRR2010 | state | county | | | | | | | | | | | |
| 2 | Alachua County Florida | 0500000US12001 | 62.2 | 12 | 1 | | | | | | | | | | | |
| 3 | Baker County Florida | 0500000US12003 | 58.6 | 12 | 3 | | | | | | | | | | | |
| 4 | Bay County Florida | 0500000US12005 | 62.8 | 12 | 5 | | | | | | | | | | | |
| 5 | Bradford County Florida | 0500000US12007 | 57.5 | 12 | 7 | | | | | | | | | | | |
| 6 | Brevard County Florida | 0500000US12009 | 67.7 | 12 | 9 | | | | | | | | | | | |
| 7 | Broward County Florida | 0500000US12011 | 63.7 | 12 | 11 | | | | | | | | | | | |
| 8 | Calhoun County Florida | 0500000US12013 | 53.7 | 12 | 13 | | | | | | | | | | | |
| 9 | Charlotte County Florida | 0500000US12015 | 60.3 | 12 | 15 | | | | | | | | | | | |
| 10 | Citrus County Florida | 0500000US12017 | 65.6 | 12 | 17 | | | | | | | | | | | |
| 11 | Clay County Florida | 0500000US12019 | 69.9 | 12 | 19 | | | | | | | | | | | |
| 12 | Collier County Florida | 0500000US12021 | 54.1 | 12 | 21 | | | | | | | | | | | |
| 13 | Columbia County Florida | 0500000US12023 | 57.2 | 12 | 23 | | | | | | | | | | | |
| 14 | DeSoto County Florida | 0500000US12027 | 53.3 | 12 | 27 | | | | | | | | | | | |
| 15 | Dixie County Florida | 0500000US12029 | 42.7 | 12 | 29 | | | | | | | | | | | |
| 16 | Duval County Florida | 0500000US12031 | 63.4 | 12 | 31 | | | | | | | | | | | |
| 17 | Escambia County Florida | 0500000US12033 | 64.9 | 12 | 33 | | | | | | | | | | | |
| 18 | Flagler County Florida | 0500000US12035 | 64.3 | 12 | 35 | | | | | | | | | | | |
| 19 | Franklin County Florida | 0500000US12037 | 32.5 | 12 | 37 | | | | | | | | | | | |
| 20 | Gadsden County Florida | 0500000US12039 | 56.6 | 12 | 39 | | | | | | | | | | | |
| 21 | Gilchrist County Florida | 0500000US12041 | 56.4 | 12 | 41 | | | | | | | | | | | |
| 22 | Glades County Florida | 0500000US12043 | 41.4 | 12 | 43 | | | | | | | | | | | |
| 23 | Gulf County Florida | 0500000US12045 | 45 | 12 | 45 | | | | | | | | | | | |
| 24 | Hamilton County Florida | 0500000US12047 | 45 | 12 | 47 | | | | | | | | | | | |
| 25 | Hardee County Florida | 0500000US12049 | 50.9 | 12 | 49 | | | | | | | | | | | |
| 26 | Hendry County Florida | 0500000US12051 | 46.5 | 12 | 51 | | | | | | | | | | | |
| 27 | Hernando County Florida | 0500000US12053 | 69.9 | 12 | 53 | | | | | | | | | | | |
| 28 | Highlands County Florida | 0500000US12055 | 59.2 | 12 | 55 | | | | | | | | | | | |
| 29 | Hillsborough County Florida | 0500000US12057 | 65.3 | 12 | 57 | | | | | | | | | | | |
| 30 | Lee County Florida | 0500000US12071 | 55.3 | 12 | 71 | | | | | | | | | | | |
| 31 | Jefferson County Florida | 0500000US12065 | 54.5 | 12 | 65 | | | | | | | | | | | |
| 32 | Lafayette County Florida | 0500000US12067 | 46.2 | 12 | 67 | | | | | | | | | | | |
| 33 | Lake County Florida | 0500000US12069 | 65.2 | 12 | 69 | | | | | | | | | | | |
| 34 | Leon County Florida | 0500000US12073 | 64.7 | 12 | 73 | | | | | | | | | | | |
| 35 | Levy County Florida | 0500000US12075 | 55.8 | 12 | 75 | | | | | | | | | | | |
| 36 | Liberty County Florida | 0500000US12077 | 45.5 | 12 | 77 | | | | | | | | | | | |