Instruction for Downloading Data from the Census Data API:  
Decennial Census Self-Response Rates (2020) for All Census Tracts in California

Follow these steps for building an API call (or a URL) for pulling data from the Decennial Census Self-Response Rates (2020) for All Census Tracts in California.

**Step 1:** Using Chrome web browser, go to the census.gov Developers Page at: [https://www.census.gov/developers/](https://www.census.gov/developers/).

**Step 2.** On the left side of the screen, click on “Available APIs”.
Step 3: Scroll down the page and click on Decennial Census Self-Response Rates (2020, 2010).

Step 4. Scroll down until you see “Decennial Self-Response Rates 2020.” Click on api.census.gov/data/2020/dec/responserate.html

Step 5. Click on “examples.”
Step 6. Under state› county› tract. Copy/paste the URL into Firefox or Chrome if you are not already using these web browsers.

https://api.census.gov/data/2020/dec/responserate?get=DRRALL,CRRINT,RESP_DATE,CRRALL,GEO_ID,DRRINT&for=tract:*&in=state:01&key=YOUR_KEY_GOES_HERE

We are going to use this URL to build an API call for decennial census self-response rates (2020) for all census tracts in California.

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.

   ![Image](https://api.census.gov/data/2020/dec/responserate?get=NAME,DRRALL,CRRINT,RESP_DATE,CRRALL,GEO_ID,DRRINT&for=tract:*&in=state:01&key=YOUR_KEY_GOES_HERE)

b) Since we want to build a URL for the all census tracts in California, change the (=state:01) to (=state:06).

   ![Image](https://api.census.gov/data/2020/dec/responserate?get=NAME,DRRALL,CRRINT,RESP_DATE,CRRALL,GEO_ID,DRRINT&for=tract:*&in=state:06&key=YOUR_KEY_GOES_HERE)

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

   ![Image](https://api.census.gov/data/2020/dec/responserate?get=NAME,DRRALL,CRRINT,RESP_DATE,CRRALL,GEO_ID,DRRINT&for=tract:*&in=state:06&key=YOUR_KEY_GOES_HERE)

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

https://api.census.gov/data/2020/dec/responserate?get=NAME,DRRALL,CRRINT,RESP_DATE,CRRALL,GEO_ID,DRRINT&for=tract:*&in=state:06

Hit the Enter key to pull the results. The results are in json format. Below are the first few lines.
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 10: Now convert the text to columns.

a) Highlight column A.

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 move the header and clean up the quotation marks and brackets.
Step 11: To move the header:

a) Select B1 to J1, then drag it to L1.

b) The header DRRALL will be in D1.

Step 12: To remove the quotation marks and brackets:

Quotation Marks

a) Press Ctrl-F and click the Replace tab.

b) Enter the following:
   - Find what: "
   - Replace: (leave this blank)

c) Click Replace All
Left Brackets
a) Press Ctrl- F and click the Replace tab.
b) Enter the following:
   • Find what: [
   • Replace: (leave this blank)
c) 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 census tracts in California.