Load Census API data

# Training on how to use the Census APIs

1. Go to [www.census.gov](http://www.census.gov)
2. Hover over “Explore Data” in horizontal menu along the top
3. Click on “Census Academy”
4. Click “Webinars” in the vertical menu on the left
5. Click on “Recorded Webinars” in the vertical menu on the right
6. Scroll down to and click on “American Community Survey”
7. Scroll down to and click on “Using the Census API with the American Community Survey Webinar” (June 2018)
8. Review the recording, the slides, and transcript

# Get census data

1. Go to [www.census.gov](http://www.census.gov)
2. Hover over “Explore Data” in horizontal menu along the top
3. Click on “Developers”
4. Click on “Available APIs” in the vertical menu along the left
5. Click on “Discovery Tool page” in the page introductory paragraphs
6. Click on “api.census.gov/data.html”
7. Search for “2016”
   1. control F, enter “2016” then click next until the desired record is found
   2. Continue until finding the ‘ACS 5-Year Data Profile’
   3. Using profile rather than subject when possible as profile is a subset of variables and thus much quicker to search
   4. For this project, profile has the desired variables
8. Use the “examples” link to help build the API query for the desired location
   1. For this project Michigan Geographic School Districts
9. Use the “variables” link to identify the coding for the desired variables
   1. DP05\_0028E, which gives the estimated total population across all races
   2. DP03\_0062E, which gives the median household income (2016 inflation adjusted)
10. Build the full api query
    1. Base site: <https://api.census.gov/data/2016/acs/acs5/profile>
    2. Full query [https://api.census.gov/data/2016/acs/acs5/profile?get=DP05\_0028E,DP03\_0062E,NAME&for=school%20district%20(unified):\*&in=state:26](https://api.census.gov/data/2016/acs/acs5/profile?get=DP05_0028E,DP03_0062E,NAME&for=school%20district%20(unified):*&in=state:26)