

1. Covid-19 data

url: <https://apidocs.covidactnow.org/>

Format: JSON

The Covid-19 data is from Covid Act Now API. It is a website that provide access to all of the COVID data tracking US states, counties and metros (**covid_19_api_data.json**).

I accessed the data by applying for an API key, and used python to retrieve the JSON file. Then I write another python script to dump the data into a better format.

The data contains FIP, county name, belonging state, covid case number, covid death number, risk level, death rate, infection rate, population and several other fields for each county.

2. US census data by county, 2019

url:

<https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-data.html>

Format: Multiple CSV files

It contains multiple related databases of census data, including household income, poverty rate, race composition etc. in the county level (in file **census_data**).

I directly downloaded the data from the website. The data was separate and stored in six different CSV files. I write a python script to store all the census data in a single CSV file by a primary key (**census_all.csv**).

The data contains FIP, county name, belonging state, racial composition, income, poverty rate, and several other fields for each county.

Then, a write another python script to combine these two data into a single JSON file **countyData.json**.