INTERACTIVITY AND ACCESSIBILITY IMPROVEMENTS TO DEVELOPER API DOCS

Communications Directorate

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ZHI KENG HECUNY Hunter College

Geography

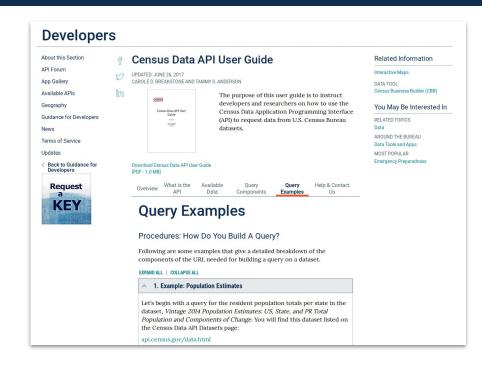
CENSUS DATA API

- The Census Bureau has long rolled out its data to the public and developers via APIs.
- This enabled developers to have built and currently build extensive applications and tools powered by Census Bureau data.
- However learning to use the various Census APIs is a tedious task and can be intimidating for new users.



CURRENT DOCUMENTATION

- Too general as it has a focuses on using the API query directly
 - No examples on building applications
- Guides are in PDF formats
- Content not searchable and easily found





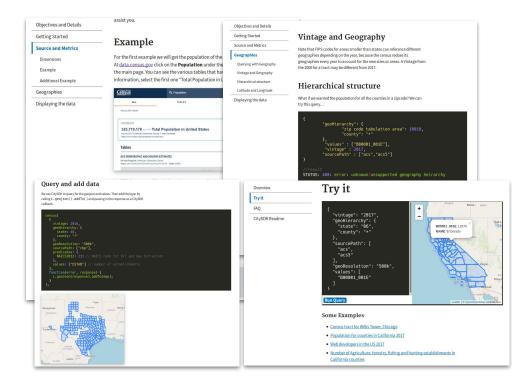
DEMO





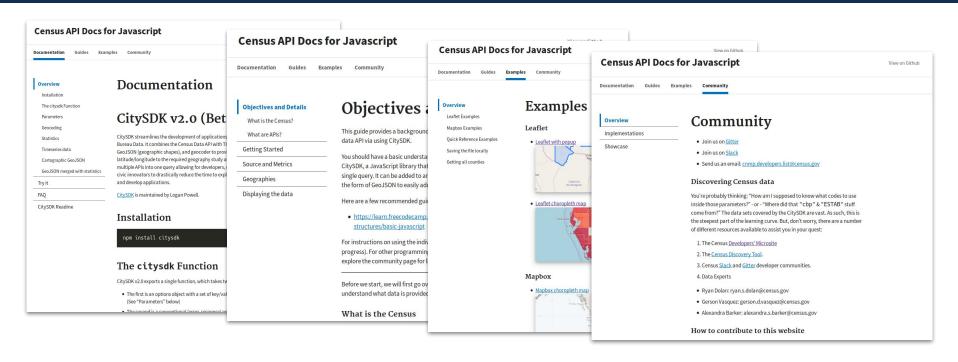
INTERACTIVE

- Built using CitySDK, a javascript library for the Census Data API, which can used on any platform with a web browser or NodeJS
- Examples and guides for new users of Census Data to learn from with code snippets and walkthroughs.





CONSISTENT DESIGN (Built with US Web Design System)





ACCESSIBLE

Overview

Implementations

Showcase

Community

- Join us on Gitter
- · Join us on Slack
- Send us an email: cnmp.developers.list@census.gov

Discovering Census data

You're probably thinking: "How am I supposed to know what codes to use inside those parameters?" - or - "Where did that " c/p)" & "ESTAB" stuff come from?" The data sets covered by the CitySDK are vast. As such, this is the steepest part of the learning curve. But, don't worry, there are a number of different resources available to assist you in your quest:

- 1. The Census Developers' Microsite
- 2. The Census Discovery Tool.
- 3. Census Slack and Gitter developer communities.
- 4. Data Experts
- · Ryan Dolan: ryan.s.dolan@census.gov
- Gerson Vasquez: gerson.d.vasquez@census.gov
- Alexandra Barker: alexandra.s.barker@census.gov

How to contribute to this website

If you would like to add features and content, report an issue, or suggest changes submit a pull request on <u>Github</u>.

This website was built using U.S. Web Design System's Jekyll theme. (uswds-

Overview

Try it

FAQ

CitySDK Readme

Frequently asked questions

What does the Census Bureau do?

The Census Bureau's suverys provide a wide range of information on the population and economy of the nation. The data is used by local, state, and federal goverements to determine the distribution of represention, and make planning decisions about community services and funding. It is also used by many other organizations and buinesses to inform their decisions.

The data is available to the publicly via <u>Data.census.gov</u>, and for developers via an API.

Why is some data not available at smaller geographic levels or for certain groups of populations or industries?

When numbers or specific populations are reponse are low for an area, statistical summaries are not released . . . E.g. ACS 1 year has data down to the block group (check) for current areas. While decennial census has census tract level.

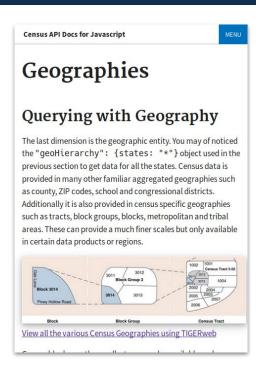
It is an important process done to protect the privacy of individual respondents and reduce the number of estimates with unacceptable levels of statistical reliability. (sample sizes are low)

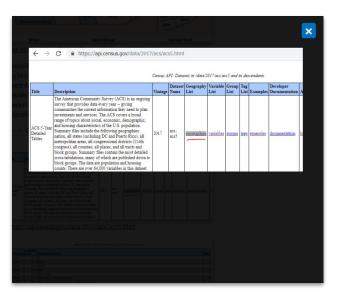
Read more about it here: ACS Data Suppression



Helpful question/ answers, and accessible language.

A11Y

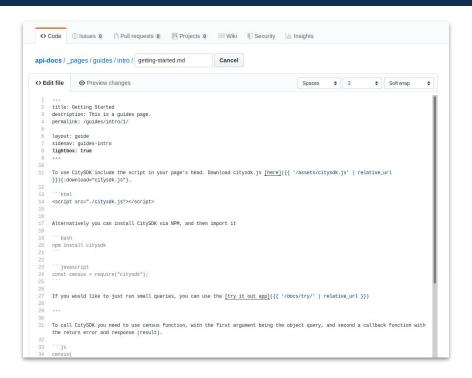






Screen Reader and mobile friendly with tweaks to improve readability

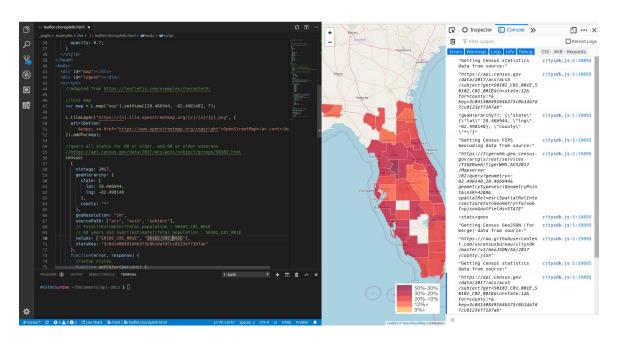
CONTRIBUTE ON GITHUB





Easily edit or add content with markdown

BUILD FASTER





Enables new users (internal and public) to build visualizations and applications or do analysis with less snags