Integrating US Census in Data Analytics

**Paid internships** after Field Session will be offered to students that perform well. These often extend into the school year, and after graduation turn into full-time positions. Inquiries for paid internships/full-time positions are always welcome, even for students who do not work on this project.

Client

David Flammer, Datava.com, david@datava.com

Background

Datava develops enterprise level resource management and business intelligence tools in the cloud. Our customers use Datava to integrate many data sources into a single place, where they can visualize and analyze their data. A previous CSM field session team built in an integration with the US census API, which we use. We would like you to build a modern user interface for pulling and integrating this data into Datava’s system.

**Project Goals and Requirements:**

You will work with a former CSM student who worked on the original US Census project; he is now a full-time software engineer at Datava. You will learn how the US census API works, and build a user interface using Javascript and HTML to download and interact with that data.

**Suggested team size and location:**

3-4 students. Work can be done from CSM campus or elsewhere (connecting to our remote dev environment) or at our offices in Westminster, CO.

**Skills/Experience for CSM Students:**

You will learn a lot about how to build user interfaces for web applications and connect them with server-side API integration with other systems.

- Javascript and HTML: The web runs the world. Even many desktop and mobile applications are actually web applications running in an embedded browser (e.g. Slack and VSCode).
- API authentication: how to authenticate a session with an external API.
- REST APIs: how servers communicate with each other.

**Note:** All intellectual property developed as part of this project will be owned by Datava, Inc.