**My Data Lite**

***Census API data wizard PoC***

This application is a Proof of Concept that shows the feasibility to create a wizard like web application over existing Census APIs data sources.

The demo url:

<http://98.143.35.139:8081/MyDataLite/dashboard>

Logins/passwords:

czinner/c3nsus

jlarche/c3nsus

rnahas/c3nsus

sogden/c3nsus

# Domains

## Record

The main domain class, a record is created by the user and is populated with each step of the wizard creating datasources, concepts, variables and entries. A record may be shared amongst users.

## DataSource

The Census API datasource used to populate the data for the record

## Concept

The concept/variable combination built from the Census API’s definition file. Example SQL used to prepopulate this data can be found in MyDataLite\SQL

## Entry

After all of the data for the record is created the data is pulled from the Census API and stored individually as records. This diminishes the load time for viewing new tables.

# Controllers

## Wizard

This controller helps build the User’s record object and manage the step by step display of the views. It also houses the AJAX calls from the JavaScript

## Record

Builds a list of Records the User has created and hands them off to the View to be displayed.

## Community

Builds a list of Records that Users have shared with the community. It then hands them off to the View to be displayed.

# Services

## Wizard

The Wizard service provides reusable services available to the wizard controller such as pulling specific lists of concepts and requesting data from APIs

# Views

## Wizard

### createRecord

Step 1 of the MyDataLite wizard. It allows the user to create a new Record object and allowing it to be shared.

### createDataSource

Step 2 of the MyDataLite wizard. It allows the user to select the data source used to populate the data table. **Currently only the 2007-2011 ACS data source is supported.**

### selectCategories

Step 3 of the MyDataLite wizard. Users select the concept category they are interested in seeing.

### createConcept

Step 4 of the MyDataLite wizard. Pulls a list of concepts from the selected categories and allows users to select these concepts using a picklist.

### createVariable

Step 5 of the MyDataLite wizard. It allows the user to select specific variables from the concepts the previously selected

### addGeography

Step 6 of the MyDataLite wizard. Displays a list of Country|State|County geography hierarchies to be selected by the user. Users may request the County data by double clicking on a particular state name.

### showData

Step 7 of the MyDataLite wizard. Displays the results from the previous steps in the form of an Excel-like data table. This data may then be downloaded in Excel or CSV formats.

## Record

### myRecords

Displays a list of records the current logged in user has built. Allows the user to share these records with the community.

## Community

### Index

Displays a list of records available to community for download. It also allows community records to be copied to the Users list of records for further manipulation.