**Final Project- Lab 06**

1. the **map topic** and/or geographic phenomena your map will explore:

My final project will focus on the geographic distribution of multiple categories of Agricultural Value-based Supply Chains (VBSCs) in the U.S. The goal is to provide an interactive tool for food systems researchers to analyze what types of VBSCs exist in various regions. Types to display include: Food Hubs, CSAs, Cooperatives, Online stores and further categories are: Value-claims, Geographic service area (county, regional, state, national) and Agricultural products flowing through the system.

**Possible Title:** The Geography of Values in U.S. Alternative Agriculture Supply Chains

1. an articulation of the **map's objectives** and **user needs**

**User Persona:**   
Scholars focused on agri-food system reform and local food system development theories. Also, professionals in this field or who are decision-makers that influence their local environments such as community organizers, city planners and economic development officers. Also, farmers who are looking for VBSCs as possible markets.

**Objective 1:** Cartodb Density map that reflects density of particular VBSCs by state and with a Dot Propensity layer that shows 3 different types (unique color for each circle) and radius size based on geographic service area.

**Objective 2:** Clustering of VBSCs located within a TBD distance of each other (need to confirm with clients) but I wanted to model this after the power plants project. It would allow users to see where the largest service gaps across the country exist so that new VBSCs can be created in more targeted locations.

**User Needs:**

**a.** Mouse over state that pulls up a side panel with state-level breakdown

**b.** Info-window for each location that describes: contact info, value claims and check-list of produce

**c.** Legend

**d**. UI Selector to change choropleth based on VBSC type

e. The database needs to be easily updated (but there does need to be a process for vetting new submissions by users)

1. your **data source** and (at least a sample of) the data required to meet the map's objectives

The data is a csv file with primary data collected from a two-year multi-state research project. Currently there are 260 individual VBSC points, but in order to get the data “map ready” will require too much time to add addresses and then geo-coding. So, in order to finish the map by the final project deadline, I am going to focus on the South-east region. This way I can focus on the technical aspects of the project.

To do:

1. Clean up data in CartoDB

2. Add file that only has state summaries for Choropleth map

3. Add all filters