

# Cartograms 4 All

## Sprint 2 Plan

Team CS-115-2343

### Goal

As a user, I want to share my cartograms so others can learn from my findings

### Tasks

- A. As a user, I want to be able to download an image of my cartogram so that I can share it on other platforms - 3 story points
  - 1. Have a publish button to handle all the different types of sharing/downloading - 5 hours
  - 2. Download SVG - 2 hours
  - 3. Download PNG - 2 hours
  - 4. Printable - 1 hour
- B. As a user, I want to be able to share my cartogram so users can learn from it - 1 story point
  - 1. Share through e-mail - 3 hours
  - 2. Share on Twitter © - 2 hours
- C. As a user, I want to be able to edit the shared cartogram and reproduce a new one - 7 story points
  - 1. getSession.php - Create new unique session ID - 7 work hours
  - 2. Store session ID in cookie on client browser - 3 work hours
  - 3. Export current JSON states from client (CSV, settings) as {sessionID}.json to server - 3 work hours
  - 4. Load JSON state from server to client from given sessionID - 5 work hours
- D. As a user, I want to be able to customize the cartogram visualization to better suit my preferences - 5 story points
  - 1. Create a settings variable and implement it so the program uses it instead of hard-coded values - 7 work hours
  - 2. Change color scheme - 4 work hours
  - 3. Custom tooltips (in edit csv array) - 5 work hours
  - 4. Custom group regions - 4 work hours
  - 5. Settings window - 3 work hours
  - 6. Custom stroke settings - 2 work hours

- E. As a user, I want to switch my view of the world so I can show data for congressional districts, counties, states, countries, and more!!! - 19 story points
1. Customizable TOPOjson boundaries (setting) - 20 work hours
  2. User-uploaded TOPOjson - 3 work hours
  3. Convert SVG base to HTML5 canvas base - 15 work hours
  4. Zoomable map - 3 work hours
  5. Movable map - 3 work hours

## Team Roles

### **Scrum Masters**

Jeff Larocque - Developer - E1

Ahmed Almutawa - Developer - E2

Luke Tanner - P.O., Developer - C1

Michael Crane - Developer - A1

Casey Hillers - Developer - E3

Jiayao Lin (Kevin) - Developer - C2