Visualizing Your Data in CARTO

Kurt Menke, GISP, Bird’s Eye View
The Community Health Mapping Workflow

Computer → GIS

Tablet/Smart Phone with apps

Web Mapping
Web Mapping Workflow

- Login
- Upload Your Data
- Style Your Data
- Create Your Visualization
- Share Your Map
## Sync Your Data

![Image of a smartphone with a list of location data]

#### Map Area

<table>
<thead>
<tr>
<th>Location</th>
<th>Updated Time</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sign</td>
<td>last updated less than a minute ago</td>
<td>✔️</td>
</tr>
<tr>
<td>Bench</td>
<td>last updated 2 minutes ago</td>
<td>✔️</td>
</tr>
<tr>
<td>Bike Rack</td>
<td>last updated 2 minutes ago</td>
<td>✔️</td>
</tr>
<tr>
<td>Tree</td>
<td>last updated 3 minutes ago</td>
<td>✔️</td>
</tr>
<tr>
<td>Sign</td>
<td>last updated 5 minutes ago</td>
<td>✔️</td>
</tr>
<tr>
<td>Tree</td>
<td>last updated 6 minutes ago</td>
<td>✔️</td>
</tr>
<tr>
<td>Sign</td>
<td>last updated 11 minutes ago</td>
<td>✔️</td>
</tr>
<tr>
<td>Bike Rack</td>
<td>last updated 12 minutes ago</td>
<td>✔️</td>
</tr>
</tbody>
</table>

*10 records*
Login to FulcrumApp.com

- Open your App
- Your data
Downloading Data

- Export Data
Export Wizard

- File Format:
- All the common GIS formats
- Choose ESRI Shapefile
Export Wizard

Check

- Include GPS Data (horizontal accuracy etc.)
Click Next
Export Wizard

Please confirm the following settings for exporting your data. Your data export will take some time to process and will be available for download once it is completed.

- **Apps:** Spokane
- **Export format:** ESRI Shapefile (.shp)
- **Timezone for exported dates:** (GMT+00:00) UTC
- **Exporting photos:** No
- **Number of records to be exported:** 10

Select the Finish button to confirm and complete the export process.
Wait for Export to Finish and Download

- Save the Zip file to a project folder
- Unzip the file
On your laptop, open a web browser and go to Carto.com

PREDICT THROUGH LOCATION

CARTO is an open, powerful, and intuitive platform for discovering and predicting the key insights underlying the location data in our world.
Log in to Carto

- Log in
Switch to Your datasets
Upload Field Data

• Open Windows Explorer or Mac Finder, and locate the downloaded Zip file

• Drag the Zip file to your Carto web browser window
The zip file contains two GIS layers (shapefiles):

- One with your data points
  `<App Name>`
- One with points generated from the data in your photos
  `<App Name_photos>`

Click on the data layer named App Name.
CartoDB Data View

- The data table opens up in **Data View**
- Click the **Map View** button
You will see orange data points on the map!
CartoDB Sidebar

- Layers can be styled using the Sidebar

- Add a table to the map
- Your layers
- Use SQL to query/filter your data
- Style your data with wizards
- Create info windows
- Use Carto CSS to style your data
- Legends
- Filters
Style Data

- Choose the Wizard
- Choose Category
- Choose the *infrastruc* column
- Give each item its own color
Add Information Windows

- Click the Info Window section
- Turn on the `photo_url, sign or tree` column
Change Basemaps

- Click the Change basemap link in the lower left corner
- Experiment with different basemaps
Create a Map (Visualization)

- Click the VISUALIZE button in the upper right corner
- You will be presented with the “A map is required to publish” message
- Click OK, CREATE MAP
Add a Title

- Click Add Element → Add title item in the upper left corner
Publish a Map

- Click the PUBLISH button in the upper right corner
- You will be presented with the Publish your map window
- In the Get the link section, copy the link, and paste it into a new browser window
Questions???

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