

Street Sweepers



Goals for today

- Functional heat map served in an HTML/JS file from GCS publicly

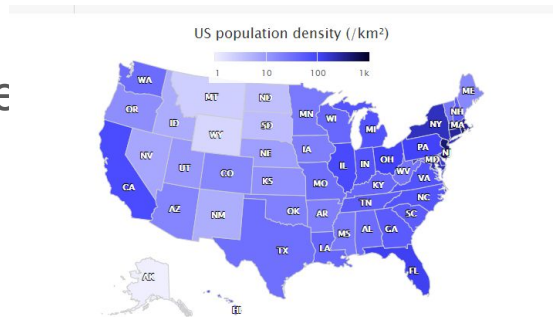
Next Tasks

- Kellen - Aggregating data into a JSON file and set up GCS
- Daniel- Create a “hello world” heat map using Plotly and Python
 - Use a sampled json file from TrafficVision
- Aparna - Create a heatmap using Highcharts with sample data. Create static HTML webpage with some Interactive features eg to download the visualization.

Progress Made

- Data completely aggregated and made available in GCP bucket
 - <https://storage.cloud.google.com/incidenttjson/incidents.json>
- “Hello World” heat map completed
- HTML webpage with the team slider. Working on ge visualization onto the HTML page.

	camera_index	filename	timestamp	Latitude	Longitude	CameraName
0	1	2020-10-02_16-15-27_incident_stopped.json	1601673327	35.063700	-90.024067	M_I-55 @ US 51, Elvis Presley - Memphis
1	1	2020-10-05_06-57-41_incident_stopped.json	1601899061	35.063700	-90.024067	M_I-55 @ US 51, Elvis Presley - Memphis
2	1	2020-10-03_14-22-38_incident_stopped.json	1601752958	35.063700	-90.024067	M_I-55 @ US 51, Elvis Presley - Memphis
3	1	2020-10-05_10-31-19_incident_stopped.json	1601911879	35.063700	-90.024067	M_I-55 @ US 51, Elvis Presley - Memphis
4	1	2020-10-07_18-24-27_incident_stopped.json	1602113067	35.063700	-90.024067	M_I-55 @ US 51, Elvis Presley - Memphis



```
from IPython.display import HTML
HTML("""
<script src="https://code.highcharts.com/maps/highmaps.js"></script>
<script src="https://code.highcharts.com/maps/modules/data.js"></script>
<script src="https://code.highcharts.com/mapdata/countries/us/us-all.js"></script>
<div id="highmaps-demo"></div>
<script>
Highcharts.getJSON('https://cdn.jsdelivr.net/gh/highcharts/highcharts@v7.0.0/samples/data/us-population-density.json', fu

// Make codes uppercase to match the map data
data.forEach(function (p) {
  p.code = p.code.toUpperCase();
});

// Instantiate the map
Highcharts.mapChart('highmaps-demo', {

  chart: {
    map: 'countries/us/us-all',
  },

  title: {
    text: 'US population density (/km²)'
  },
});
```