

Abstract

The project allows users to see the number of hate crime charges, the type of hate crime charges, and the location of hate crimes in Staten Island from 2006-2021. The project allows users to compare hate crimes based on year, crime type, or geographical boundary. It is intended for anyone interested in hate crime, the effects of geography on hate crime/ concentration of hate crime, hate crime in New York City, the effects of policing policies, the effects of re-zoning policies, the effects schools, and the effects community board policies on hate crime in the Borough of Staten Island. By allowing users to compare how the concertation of hate crime changes on Staten Island depending on the artificial geographical barrier used.

Site architectureHTML

```
<body>
```

```
<h1></h1>
```

```
<h3></h3>
```

```
<div id="top-map">
```

```
<svg>
```

```
←Borough→
```

```
←Borough Boundries→
```

```
←Hate Crime dots→
```

```
<\svg>
```

```
</div>
```

```
<h3></h3>
```

Name: Kenji Logie

Course: Data Visualization

```
<div id="bottom-map">
```

```
<svg>
```

```
  <Borough>
```

```
  <Borough Boundries>
```

```
  <Hate Crime dots>
```

```
<\svg>
```

```
</div>
```

```
</body>
```

State

top map

Data (hate crime points, boundary polygon),

Hovered (polygon),

Click (point),

Drop-down 1 (years)

Drop-down 2 (hate crime type)

Drop-down 3 (Boundary Type)

bottom map

Data (hate crime points, boundary polygon),

Hover (polygon)

Click (point)

Drop-down 4 (years)

Drop-down 5 (hate crime type)

Drop-down 6 (Boundary Type)

Data

I will be using the NYC Open data historical and year-to-date arrest data. Filtering the crime data by borough and penal code violation, I identified the year and location of hate crimes on Staten Island. The available data includes hate crimes from 2006-2021. Using NYC Open Data shapefiles for New York City Boroughs, re-zonings, schools, fire battalions, fire companies, fire division, fresh food stores zoning boundaries, health areas, municipal court districts, neighborhood tabulation areas, police precincts, census blocks, city council, city-wide mobility, community districts, health center districts, state assembly districts, congressional districts, election districts, and Primary land use tax lot. The shapefiles of New York city were clipped, leaving only Staten Island and, when applicable, to the shapefile parts of Brooklyn.

The original data can be accessed using the following link:

<https://opendata.cityofnewyork.us/>

The Staten Island shapefiles can be accessed using the following link:

<https://github.com/kenjilc/Interactive-Data-Vis-Fall2021/tree/main/Staten%20Island%20Shape%20Files>

The hate crime data for Staten Island can be accessed using the following links:

<https://github.com/kenjilc/Interactive-Data-Vis-Fall2021/tree/main/Staten%20Island%20Final>

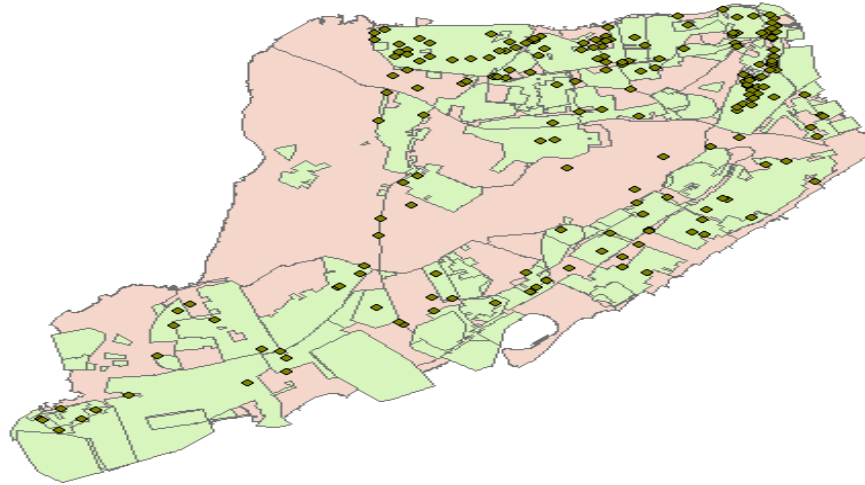
Final Sketch

Map 1

Drop Down Menu Year

Drop Down Menu Hate Crime Type

Drop Down Menu Boundary



Map 2

Drop Down Menu Year

Drop Down Menu Hate Crime Type

Drop Down Menu Boundary

