

<http://sta.mn/jty>

Data In Context

Michal Migurski, Stamen Design
Hacks & Hackers, January 2011

Stamen

Eric Rodenbeck

Michal Migurski (me)

Shawn Allen

Deborah Monaghan

Aaron Straup Cope

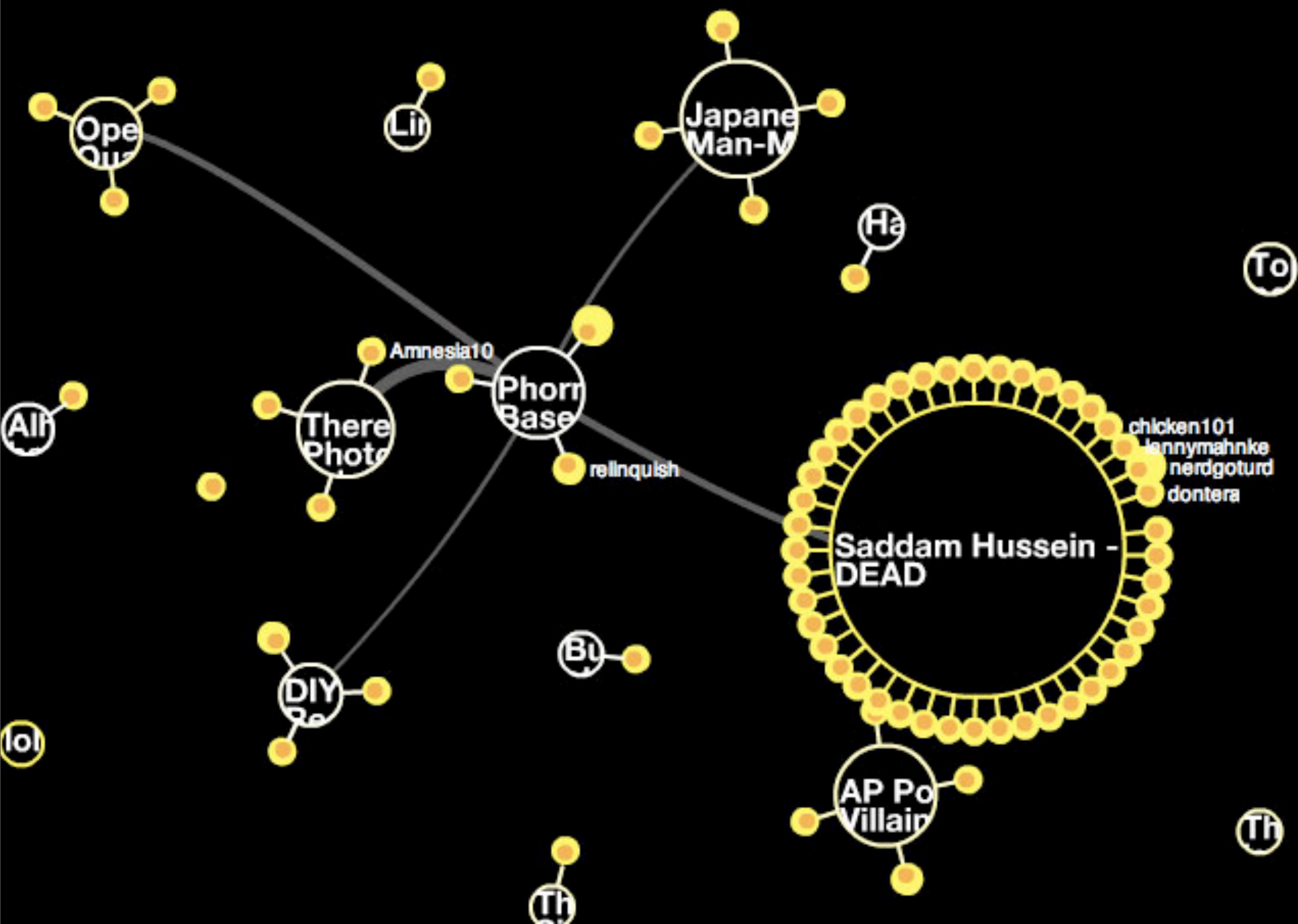
Geraldine Sarmiento

Sean Connelly 

Jeff Easter

Patrick Dillon

Julie Bottrell



Storms Shown

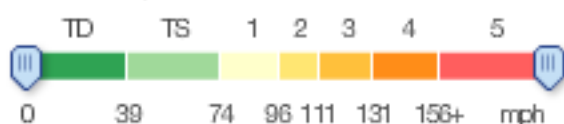
64 storms that occurred between 1851 and 2008 reached a maximum wind speed **between 0 and 196 mph** and **made landfall** in Texas.

Landfall (in continental U.S.)

☒ made landfall
 ☐ no landfall
 ☐ all storms

Hurricane Strength

Saffir-Simpson Scale



Hurricane Name

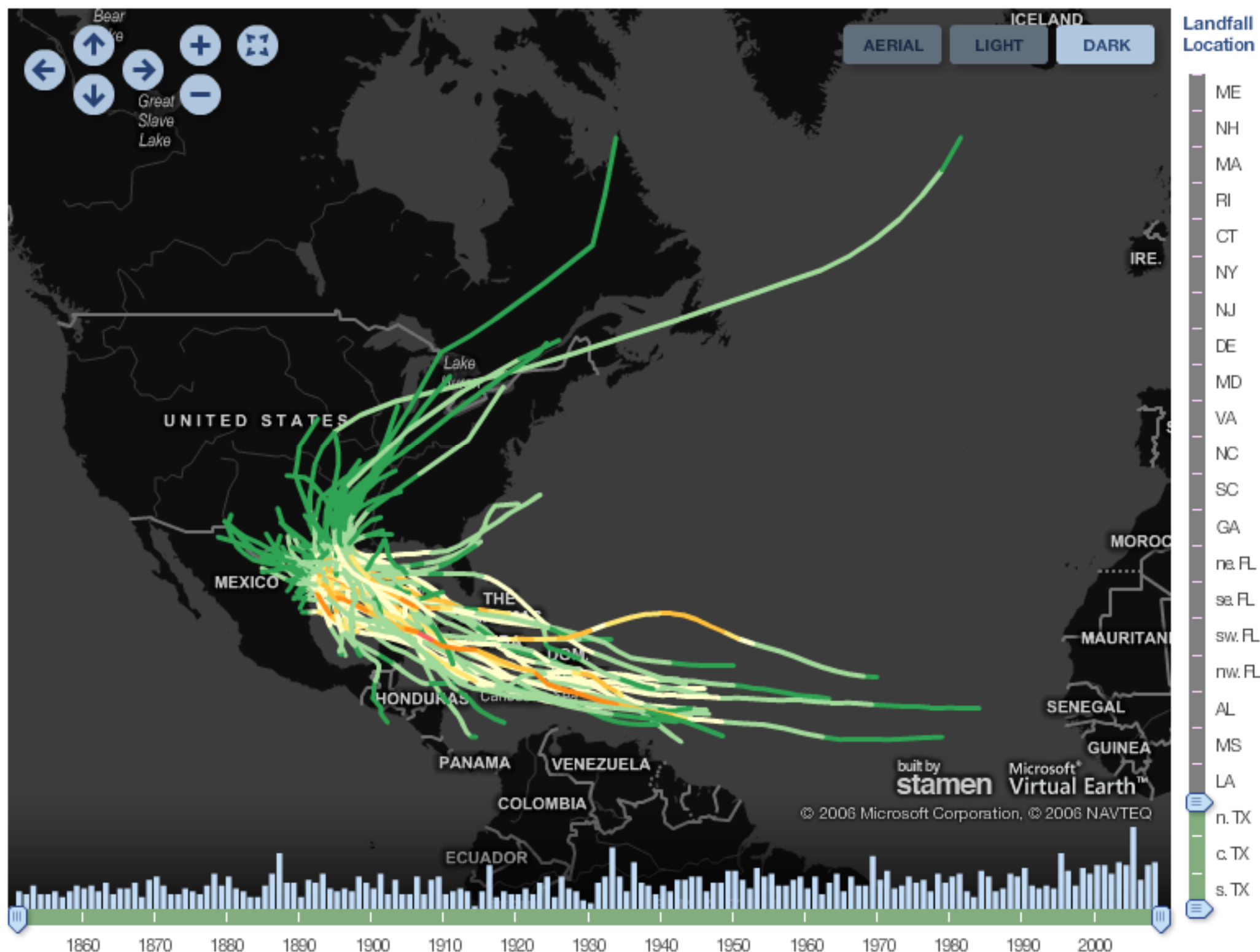
Search

Location Search

Search

About the Data

Data shown here are derived from the National Hurricane Center's North Atlantic hurricane database. [Read more...](#)





SFMOMA ArtScope



SHOW INSTRUCTIONS

Type to Search...

SEARCH

Kenneth Josephson

Chicago

1961

photograph | gelatin silver print

Keywords:

men, women, shadows

8 1/16 in. x 11 15/16 in. (20.48 cm x 30.32 cm)

Acquired 1980

Collection SFMOMA. Gift of the Sidney and Diana Avery Trust

© Kenneth Josephson

SFMOMA main | Credits

3 Contexts...



An aerial, high-angle photograph of a city street. On the left, a multi-lane road is filled with cars, moving away from the viewer. To the right of the road is a tall, modern building with a grid of windows. On the right side of the building, there is a rooftop walkway or terrace. Four people are walking on this rooftop, moving away from the viewer. The entire image is in black and white, with a dark, slightly desaturated tone. The text 'Here vs. There' is overlaid in the center in a large, white, sans-serif font.

Here vs. There

An aerial, black-and-white photograph of a city street. On the left, a multi-lane road is filled with cars, moving away from the viewer. To the right of the road is a tall, modern building with a grid of windows. On the right side of the building, there is a rooftop walkway or terrace. Four people are walking on this terrace, moving away from the viewer. The overall scene suggests a comparison of urban life and infrastructure over time.

Now vs. Then

An aerial, high-angle photograph of a city street. On the left, a multi-lane road is filled with numerous cars, appearing as small dark shapes. To the right of the road is a tall, modern building with a grid-like facade of windows. On the right side of the building, there is a rooftop walkway or terrace. Four people are walking on this rooftop, their figures silhouetted against the lighter background of the sky and the building's structure. The overall image is in black and white, with a slightly grainy texture.

Small-Here vs. Big-Here

An aerial, high-angle photograph of a city street. The street is filled with cars, and a crosswalk with white stripes is visible on the right side. Four people are walking across the crosswalk. The image is in black and white, with a dark, moody tone. The text "2 Projects" is overlaid in the center in a large, white, sans-serif font.

2 Projects

Crimespotting
This Tract

Crimespotting

<http://crimespotting.org>



980

94612

LAFAYETTE PARK

SNOW PARK

LAKESIDE PARK

CAMERON

LINCOLN SQUARE

TELEGRAPH AV

BAY PL

12TH ST

BROADWAY

FRANKLIN ST

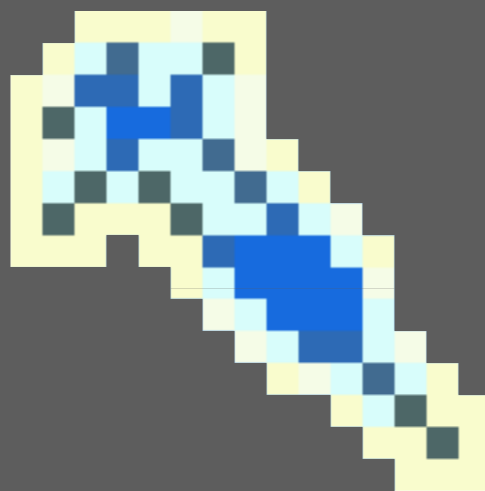
WEBSTER ST

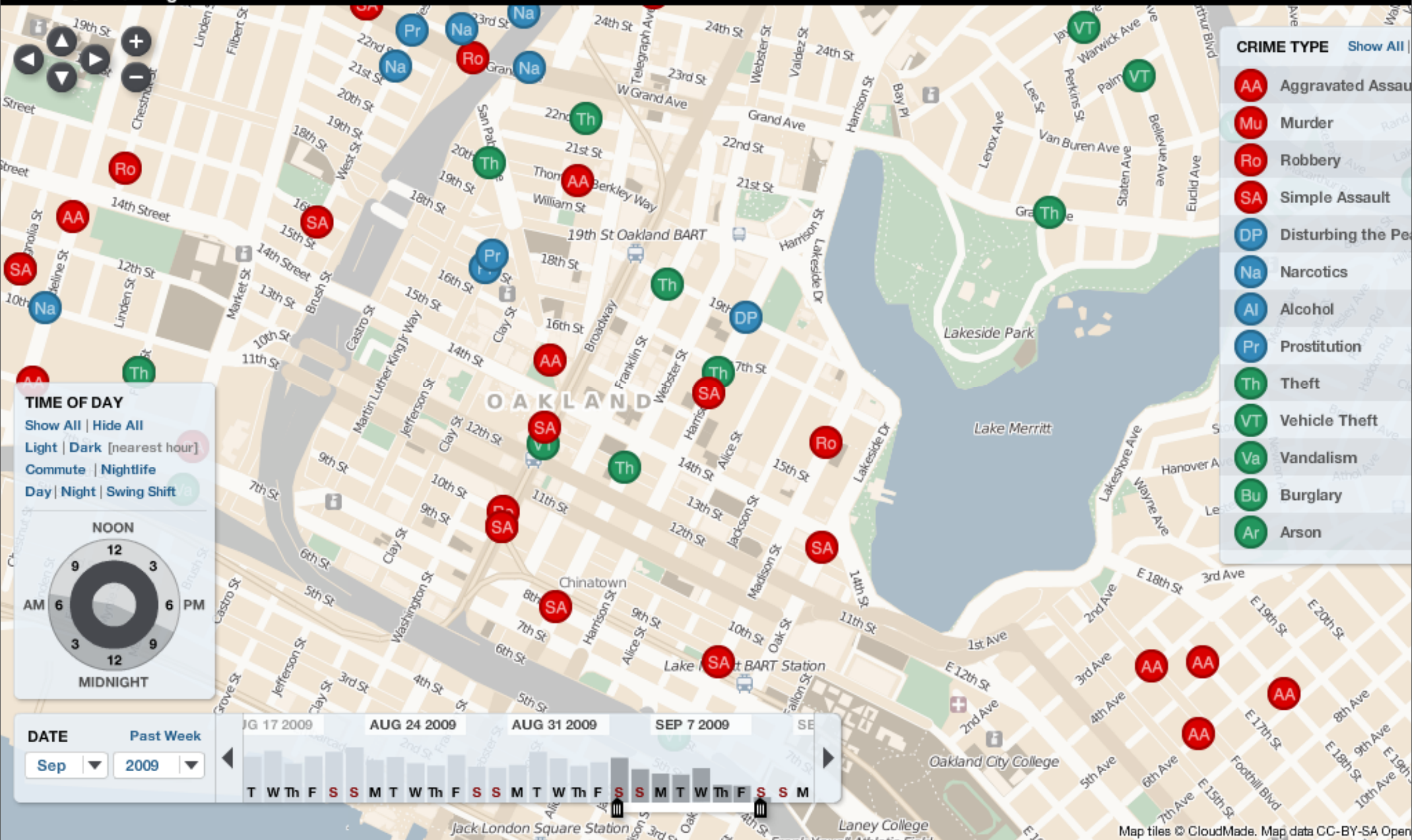
OAK ST

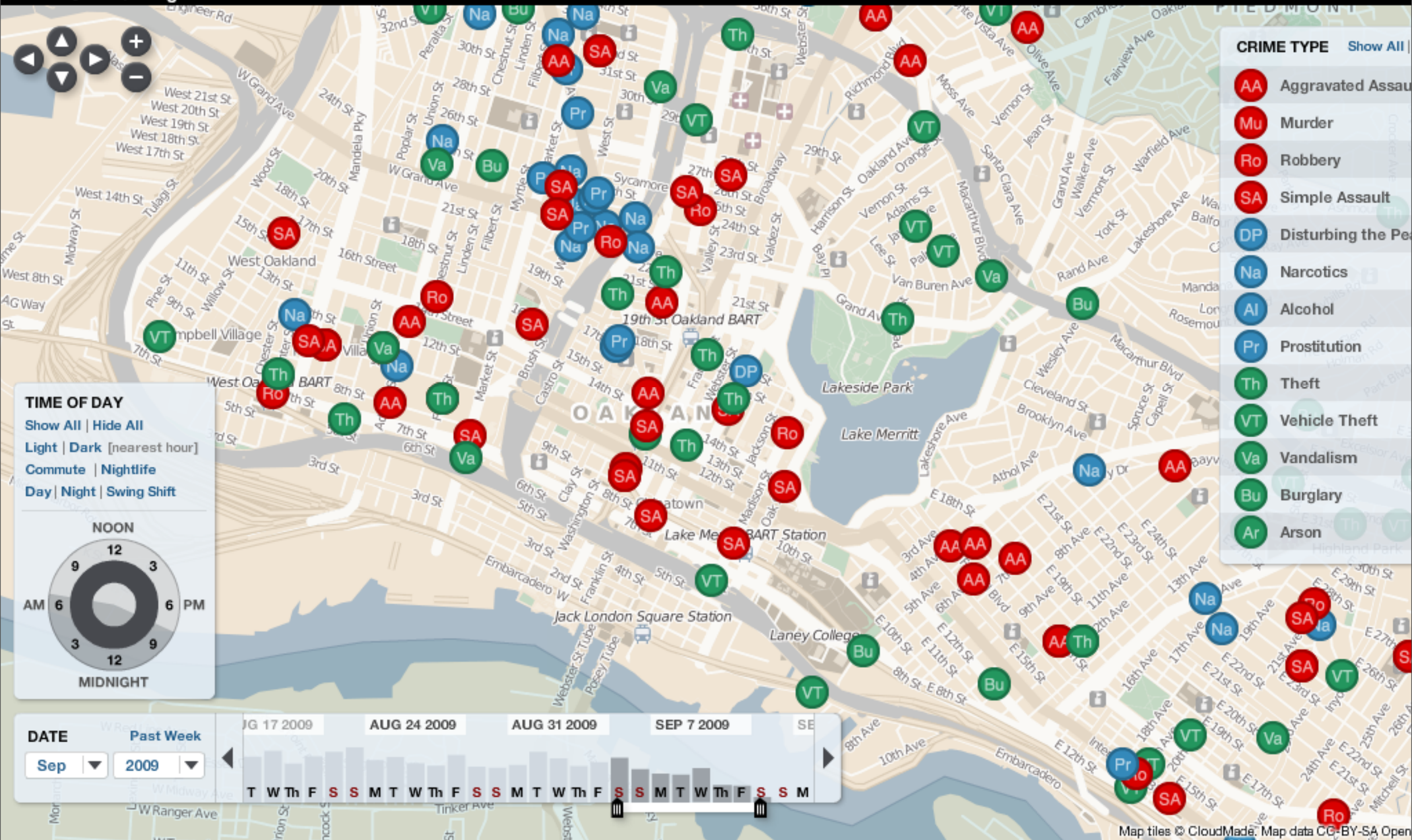
11TH ST

MARTIN LUTHER KING JR WY

5TH ST









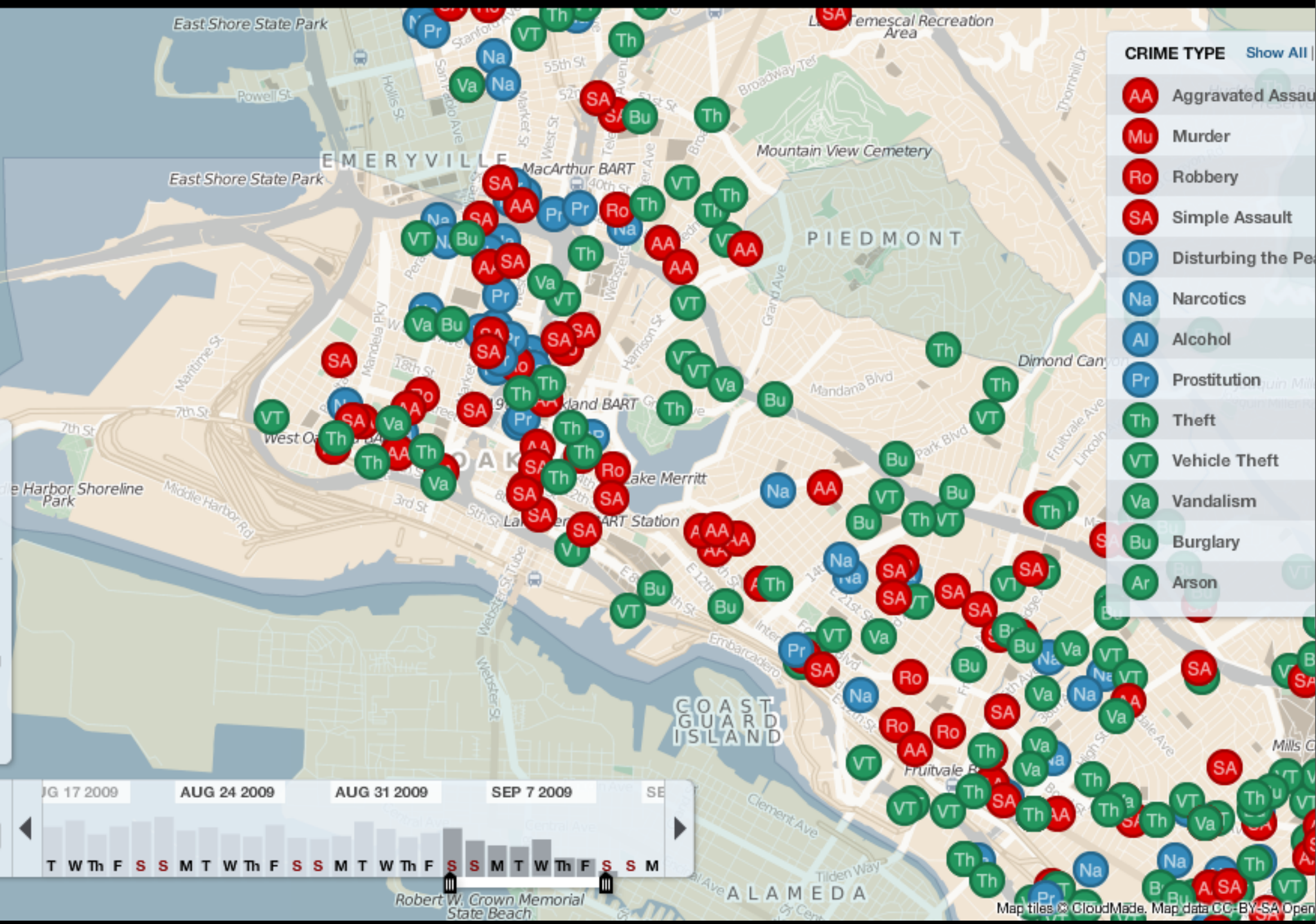
TIME OF DAY
[Show All](#) | [Hide All](#)
[Light](#) | [Dark](#) [nearest hour]
[Commute](#) | [Nightlife](#)
[Day](#) | [Night](#) | [Swing Shift](#)

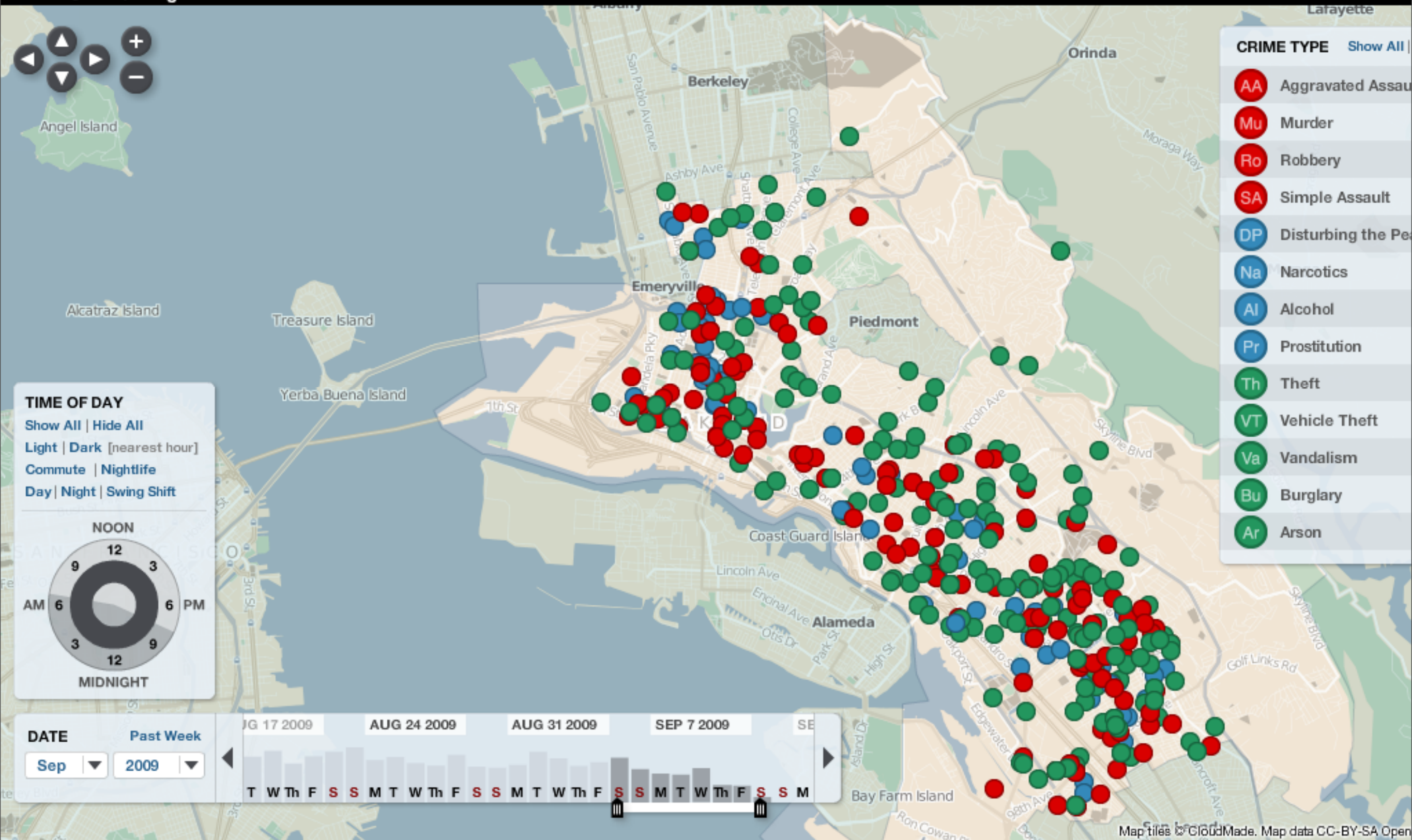


DATE [Past Week](#)
[Sep](#) ▼ [2009](#) ▼



CRIME TYPE		Show All
AA	Aggravated Assault	
Mu	Murder	
Ro	Robbery	
SA	Simple Assault	
DP	Disturbing the Peace	
Na	Narcotics	
Al	Alcohol	
Pr	Prostitution	
Th	Theft	
VT	Vehicle Theft	
Va	Vandalism	
Bu	Burglary	
Ar	Arson	







Report data last published by Oakland Police: 20 hours ago

[Home](#) [Map](#) [Crime Reports](#) [Police Beats](#) [Alerts](#) [API](#) [About](#) [Feedback](#)

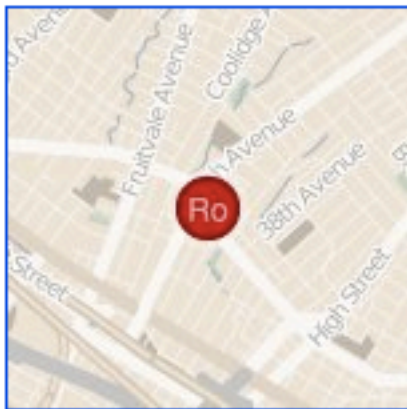
158,206 Crime Reports

Showing 20 reports, Sunday, Jan 9, 2011 through Monday, Jan 10, 2011.

[Earlier](#) crime reports

Robbery

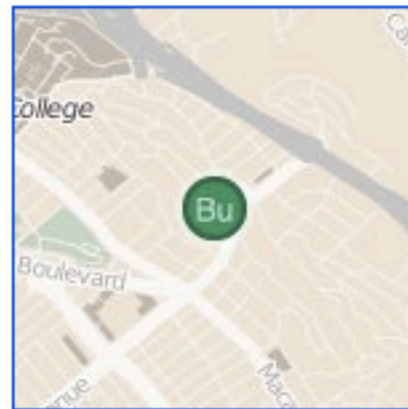
2:00pm
Monday, Jan 10, 2011



ROBBERY - STRONG ARM (HANDS, FISTS, FEET, ETC.)
([11-001677](#))

Burglary

1:00pm
Monday, Jan 10, 2011



BURGLARY-FORCIBLE ENTRY
([11-001683](#))

Simple Assault

12:25pm
Monday, Jan 10, 2011

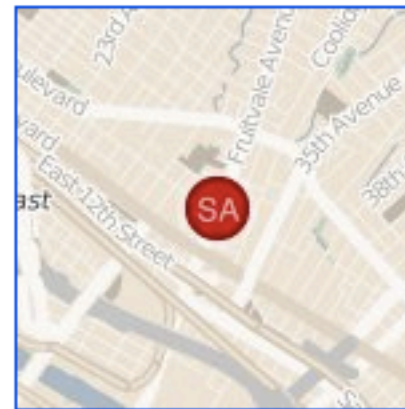
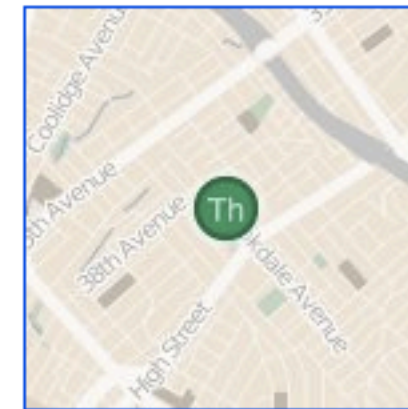


EXHIBIT FIREARM ([11-001663](#))

Theft

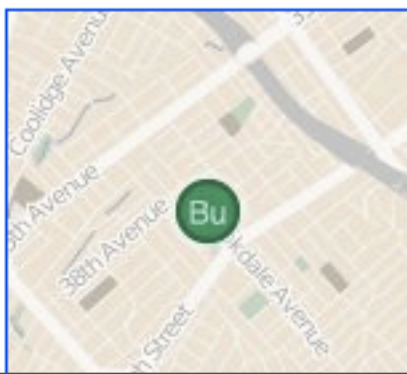
10:45am
Monday, Jan 10, 2011



RECEIVE/ETC KNOWN STOLEN PROPERTY ([11-001645](#))

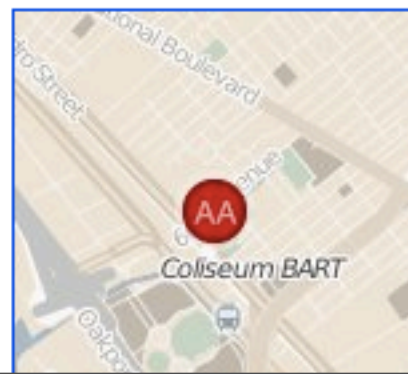
Burglary

10:45am
Monday, Jan 10, 2011



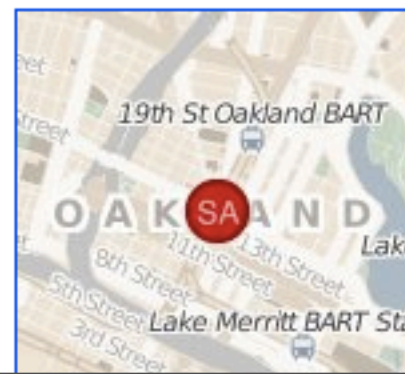
Aggravated Assault

10:30am
Monday, Jan 10, 2011



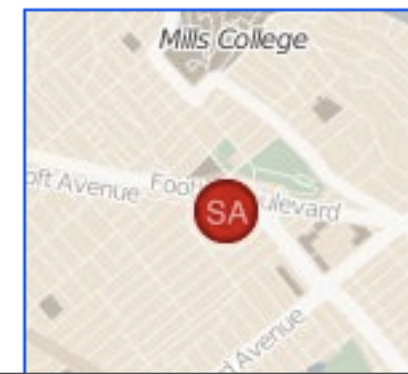
Simple Assault

9:30am
Monday, Jan 10, 2011



Simple Assault

8:36am
Monday, Jan 10, 2011





Report data last published by Oakland Police: 20 hours ago

[Home](#)

[Map](#)

[Crime Reports](#)

[Police Beats](#)

[Alerts](#)

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Simple Assault

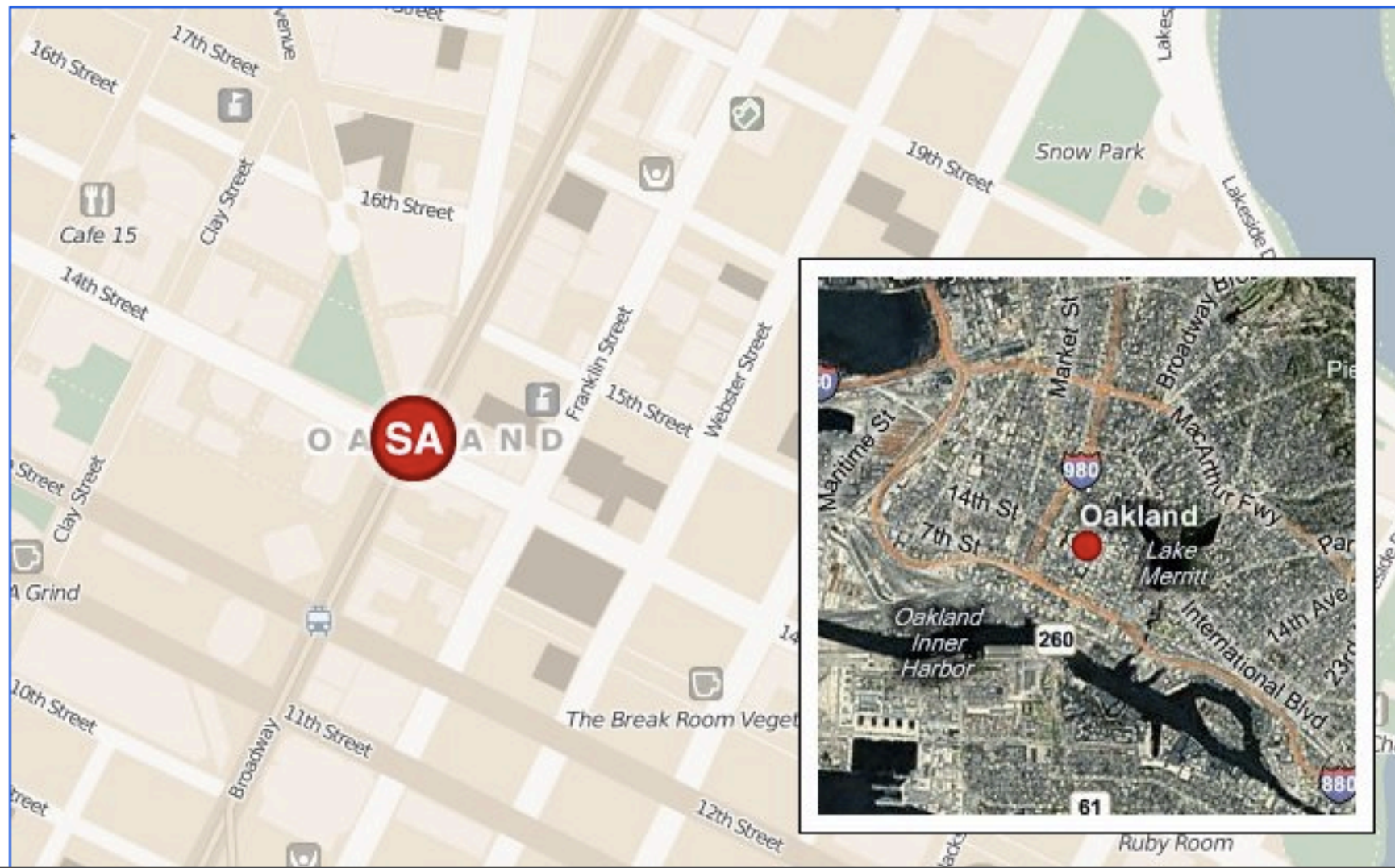
Monday, Jan 10, 2011 9:30am

BATTERY:SPOUSE/EX SPOUSE/DATE/ETC

Case Number 11-001627, Police Beat [02X](#).

Oakland, CA, USA

Scroll down to see related and nearby reports, or to leave a comment.





Police Beat 4X

[Contact your officer for beat 4X.](#)

Downloadable spreadsheets and [RSS feeds](#) of reports from beat 4X are available below. Subscribe to feeds in your preferred feed reading software, or download spreadsheets for use in [Microsoft Excel](#), [OpenOffice Calc](#), [Apple Numbers](#), and other spreadsheet programs.

 [News feed of reports in beat 4X](#)

Spreadsheets of  [last week's reports](#) /  [last month's reports](#) in beat 4X.

Reports in the Past Week



TIME OF DAY

[Show All](#) | [Hide All](#)

[Light](#) | [Dark](#) [nearest hour]

[Commute](#) | [Nightlife](#)

[Day](#) | [Night](#) | [Swing Shift](#)



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[Day](#) | [Night](#) | [Swing Shift](#)



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[Light](#) | [Dark](#) [nearest hour]

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[Light](#) | [Dark](#) [nearest hour]

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[Light](#) | [Dark](#) [nearest hour]

[Commute](#) | [Nightlife](#)

[Day](#) | [Night](#) | [Swing Shift](#)



CRIMESPOTTING_

The brazen 2007 murder of journalist Chauncey Bailey in Oakland, California, led Stamen partner Mike Migurski to

make the city's crime data more accessible. This heat map of downtown uses data from CrimeWatch, a community website,

to show the gaps between crimes at a given intersection: white is high-crime; darker areas are safe. stamen.com

KEY

Colours show how recently a crime was reported in a given part of Oakland

- A week ago
- Two weeks ago
- A month ago
- Two months ago
- Three months ago
- Four months ago
- Five months ago

An aerial, high-angle photograph of a city street. The street is filled with cars, appearing as small dark shapes. To the right, a crosswalk is visible with four pedestrians walking across it. The background shows tall buildings. The overall image is in grayscale with a dark, moody tone.

**Data is the
public good**

This Tract

<http://thistract.com>

33.812099, -117.918967

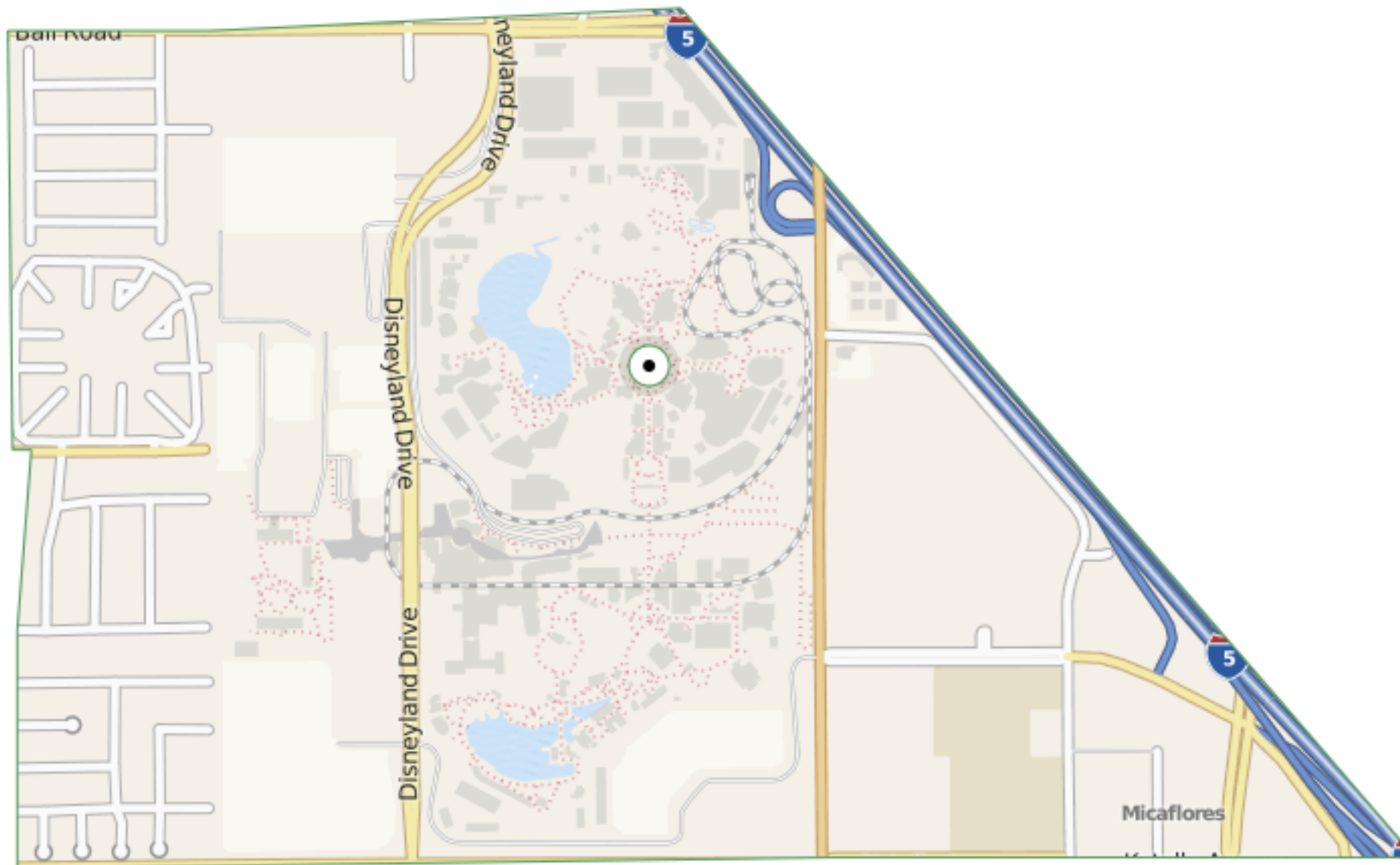
Search

[Use Map](#)

Jump to [San Francisco](#), [Disneyland](#), [Harvard](#), [Chinatown \(NYC\)](#).

Block 06.059.087501.0000

[Census Tract 875.01](#), [Orange County](#), [California](#)



CENSUS TRACT 875.01



ORANGE COUNTY



CALIFORNIA



UNITED STATES



The New York Times

Mapping America: Every City, Every Block

Find something interesting? Share this view on [Twitter](#) or [Facebook](#)

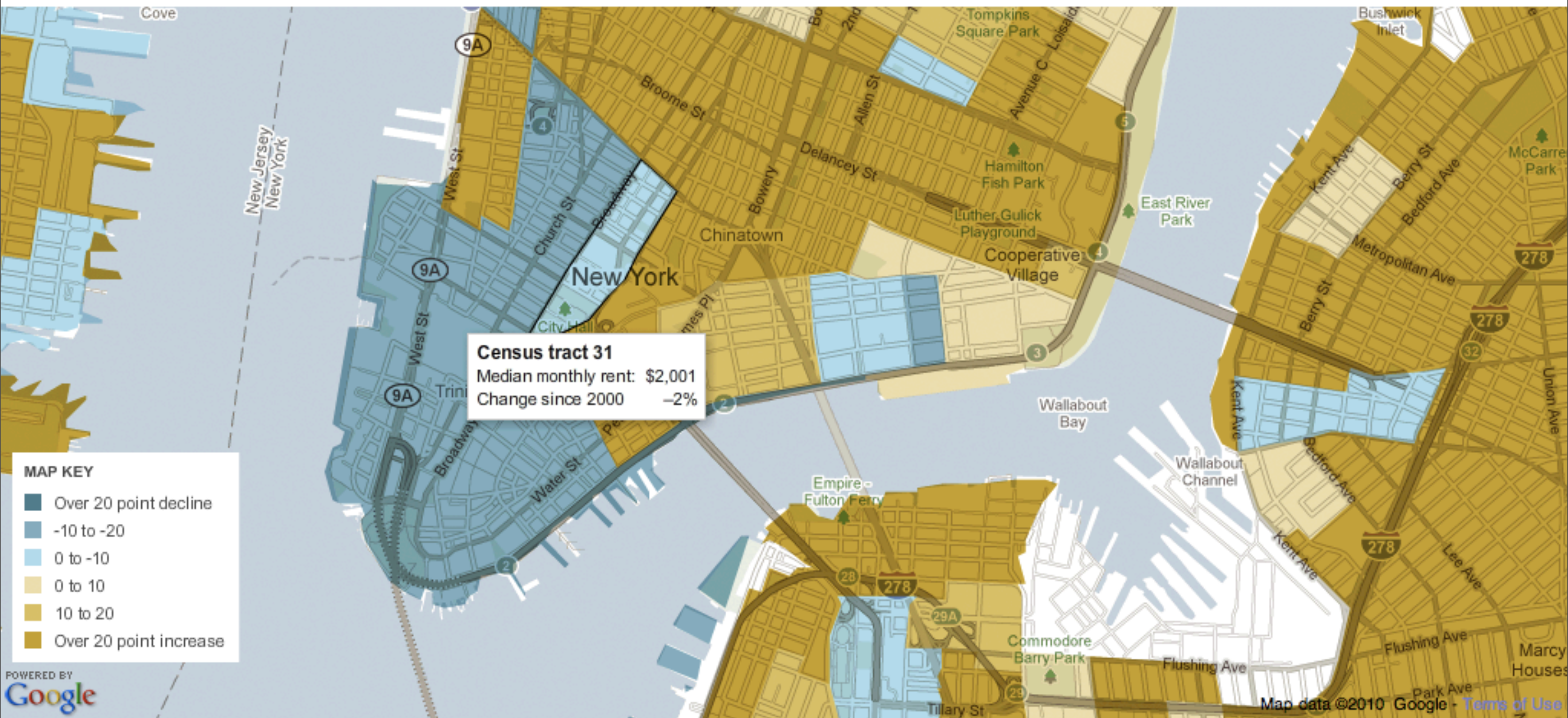
Browse local data from the Census Bureau's American Community Survey, based on samples from 2005 to 2009. Because these figures are based on [View Readers Maps \(49\)](#) samples, they are subject to a margin of error, particularly in places with a low population, and are best regarded as estimates.

Change in median monthly rent since 2000

[View More Maps](#)

Address, ZIP code or city

Go



The New York Times

Mapping America: Every City, Every Block

Find something interesting? Share this view on [Twitter](#) or [Facebook](#)

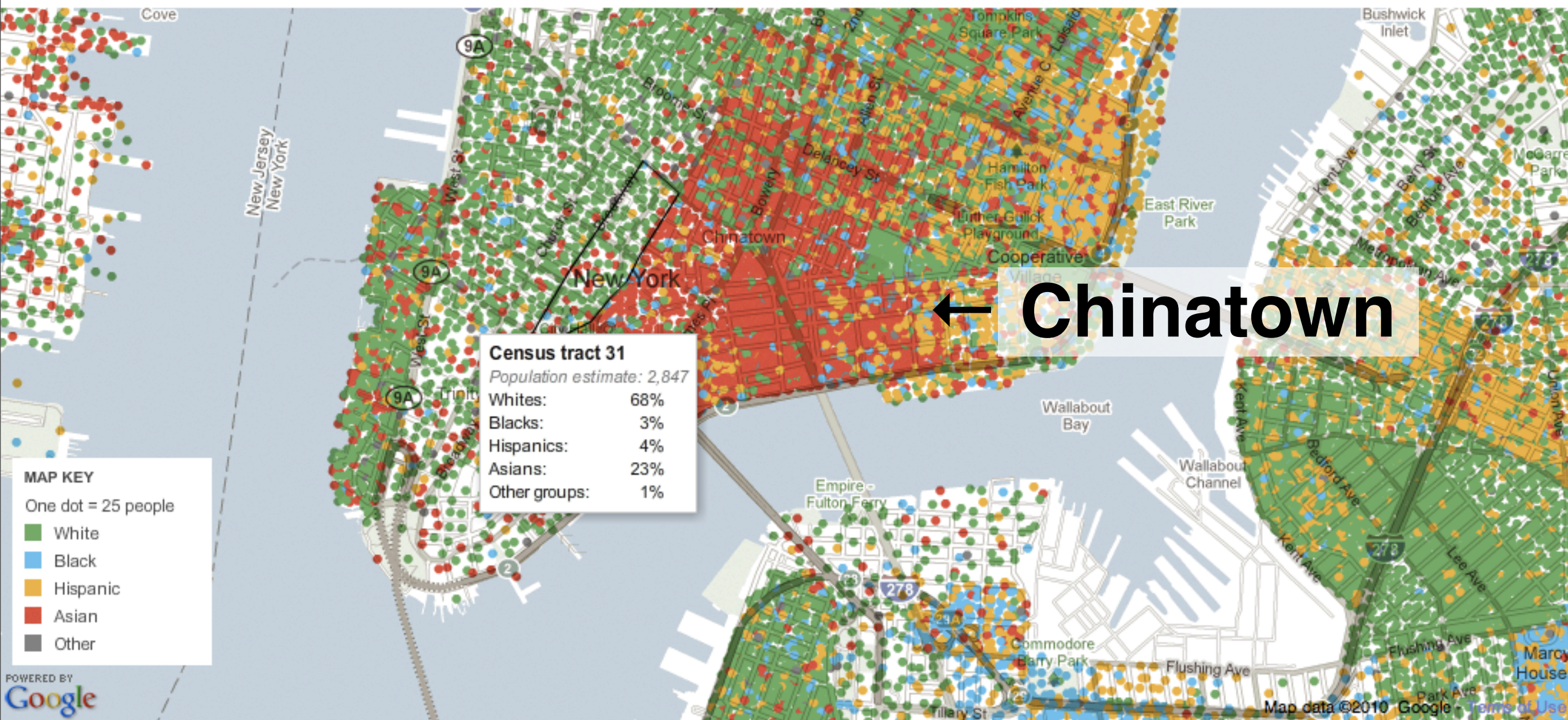
Browse local data from the Census Bureau's American Community Survey, based on samples from 2005 to 2009. Because these figures are based on [View Readers Maps \(49\)](#) samples, they are subject to a margin of error, particularly in places with a low population, and are best regarded as estimates.

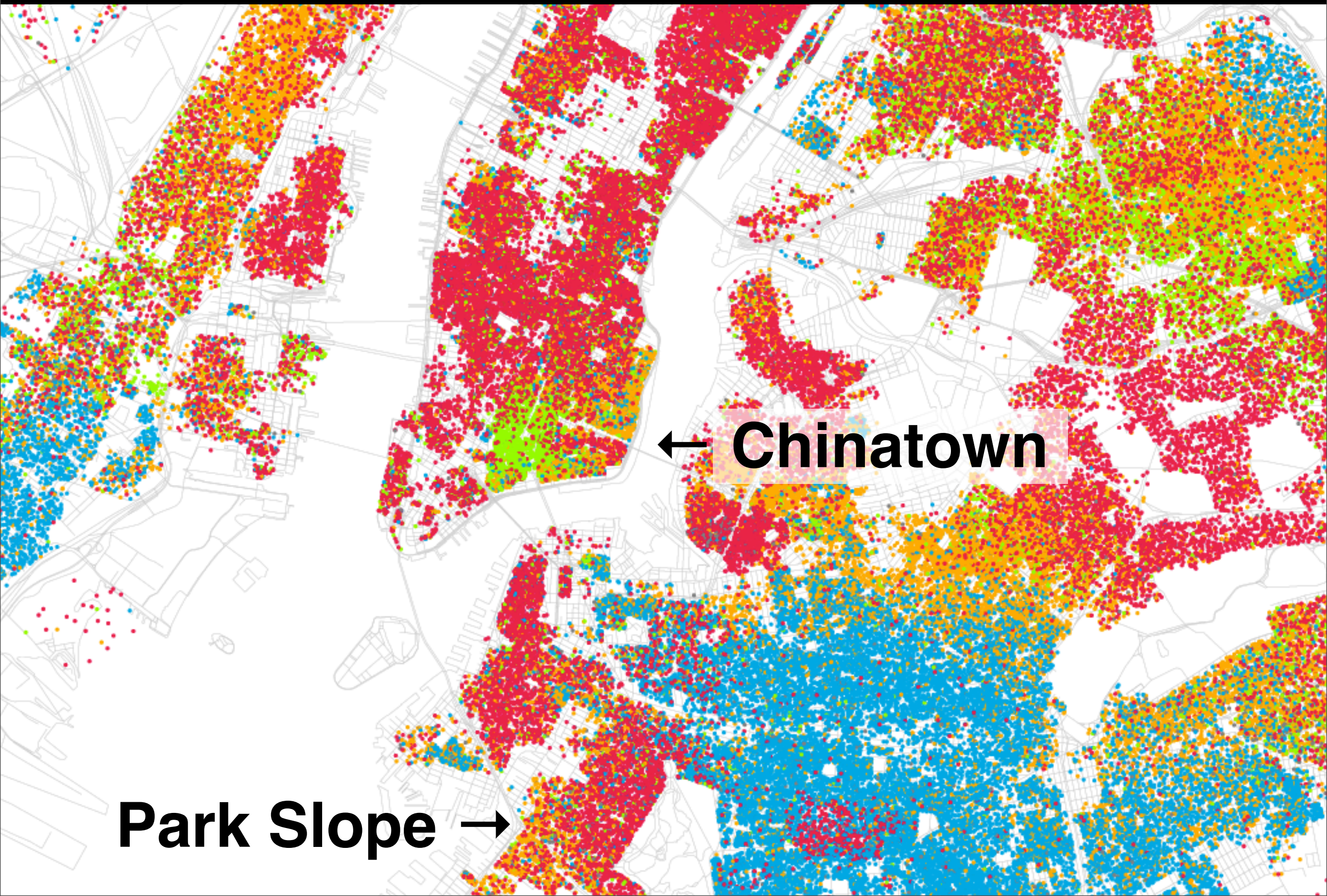
Distribution of racial and ethnic groups

[View More Maps](#)

Address, ZIP code or city

Go





← **Chinatown**

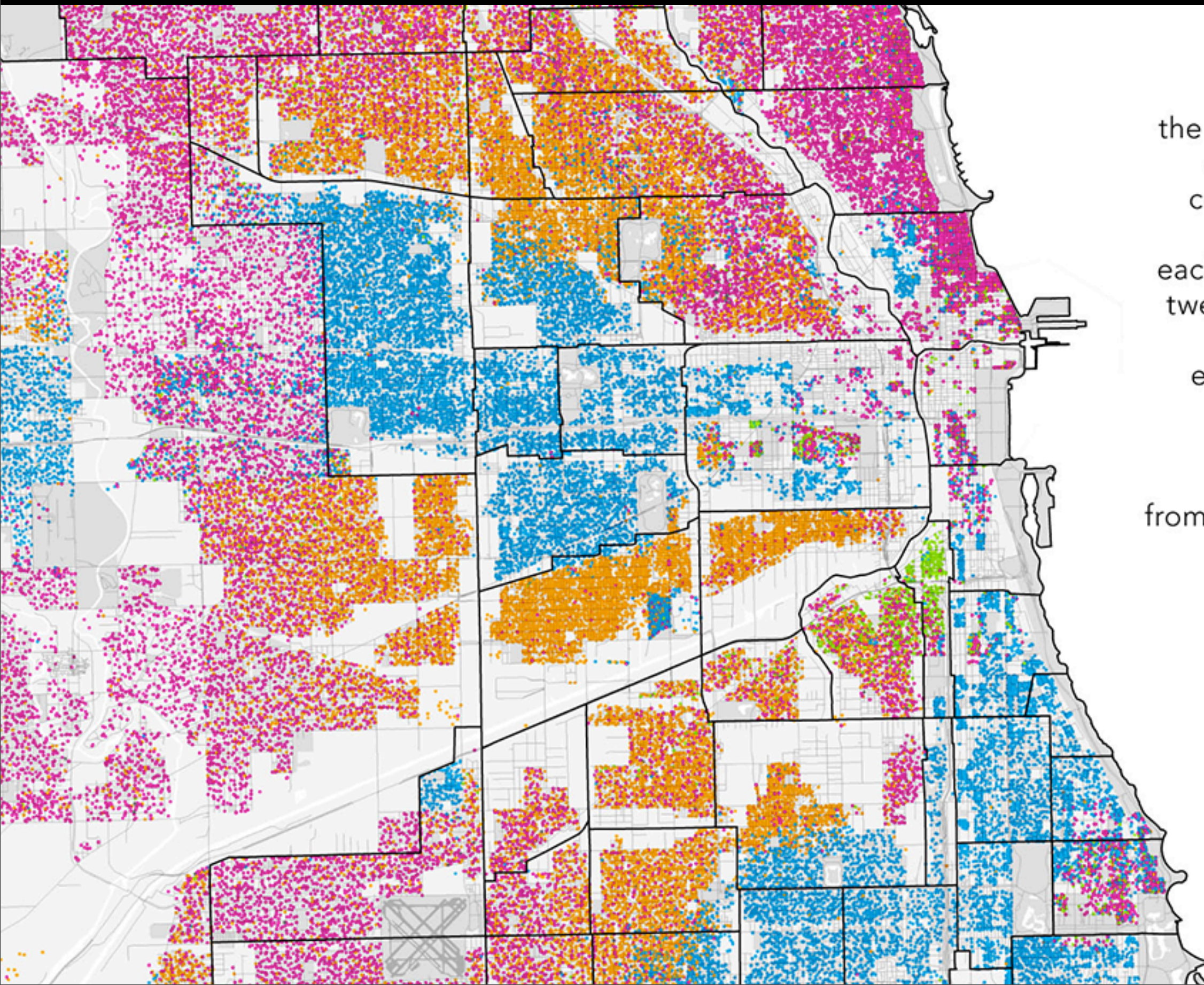
Park Slope →



Park Slope. Represent.



Park Slope. How we roll.

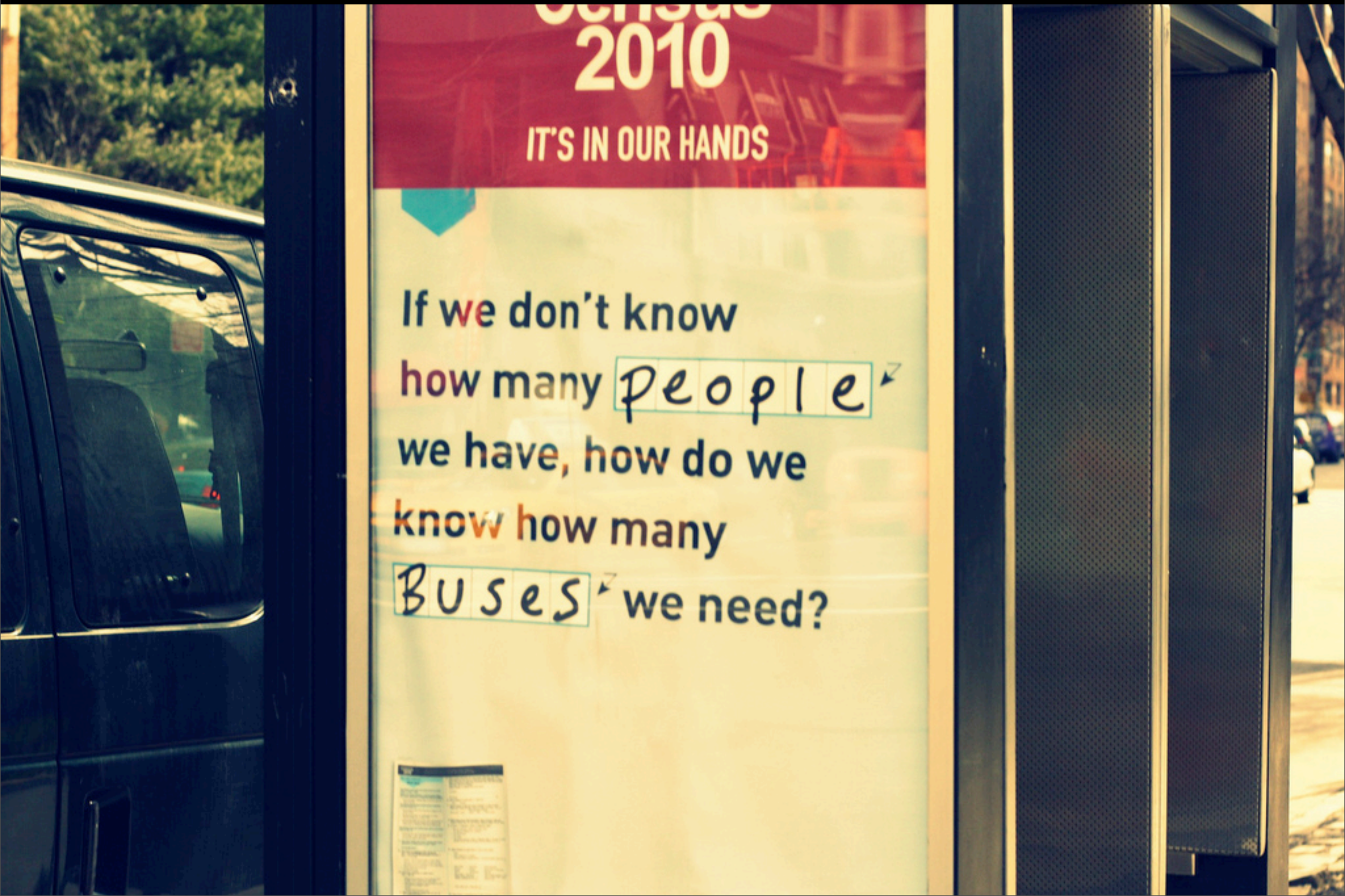


the black lines show
chicago's official
community areas.

each dot represents
twenty-five people.
here, hispanic is
exclusive of other
categories.

block-level data
from the U.S. census.

scale 1:200,000



Chicago
2010

IT'S IN OUR HANDS

If we don't know
how many people
we have, how do we
know how many
Buses we need?

**Every person in
The nation is counted.**



**Once and
Only once...**



In the right
place.



Tracts

- Small
- Homogenous
- Permanent (sort of)
- About 4,000 people
- Always nest within counties
- Boundaries on visible features
- Stable identifiers: FIPS codes

Block 36.061.003100.1002

Census Tract 31, New York County, New York

You Are Here →



Census Tract 31

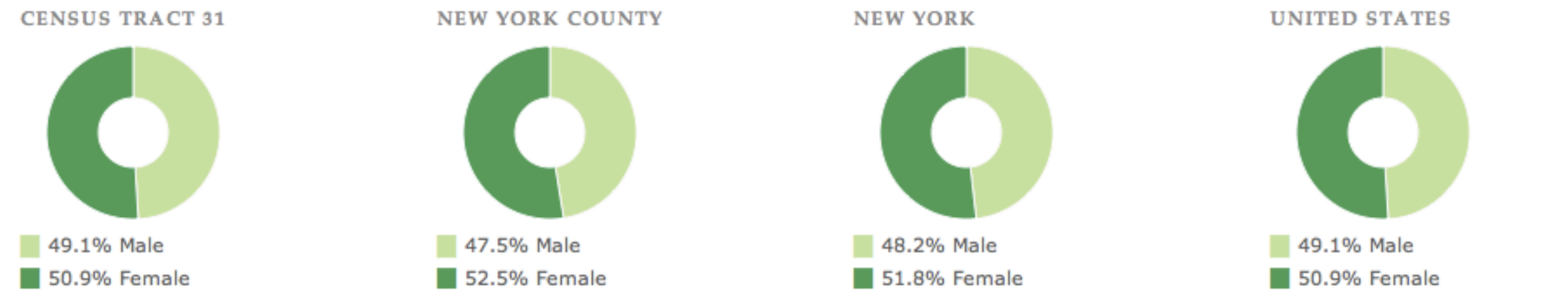
New York County

New York

United States

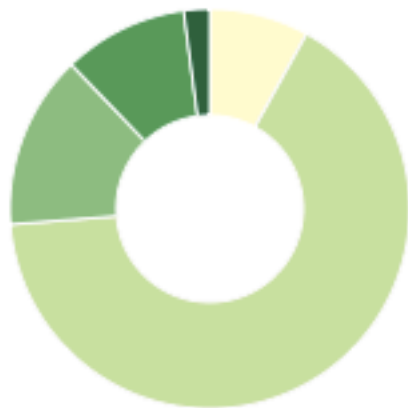
POPULATION	POPULATION	POPULATION	POPULATION
1,726	1,537,195	18,976,457	281,421,906
HOUSING UNITS	HOUSING UNITS	HOUSING UNITS	HOUSING UNITS
461	798,144	7,679,307	115,904,641
LAND AREA	LAND AREA	LAND AREA	LAND AREA
0.2 km ²	59 km ²	122,283 km ²	9,161,923 km ²
WATER AREA	WATER AREA	WATER AREA	WATER AREA
0.0 km ²	28 km ²	19,016 km ²	664,706 km ²

Gender



Age

CENSUS TRACT 31



8.1% Under 18
66% Age 18 to 29
14% Age 30 to 44
10% Age 45 to 64
2.1% Age 65 and up

NEW YORK COUNTY



17% Under 18
21% Age 18 to 29
27% Age 30 to 44
23% Age 45 to 64
12% Age 65 and up

NEW YORK



25% Under 18
16% Age 18 to 29
24% Age 30 to 44
22% Age 45 to 64
13% Age 65 and up

UNITED STATES



26% Under 18
17% Age 18 to 29
23% Age 30 to 44
22% Age 45 to 64
12% Age 65 and up

Income

<http://sta.mn/9yy>

CENSUS TRACT 31



6.9% Under \$10k
21% \$10k-\$30k
16% \$30k-\$60k
21% \$60k-\$100k
16% \$100k-\$200k
19% \$200k+

NEW YORK COUNTY



14% Under \$10k
20% \$10k-\$30k
24% \$30k-\$60k
17% \$60k-\$100k
15% \$100k-\$200k
9.4% \$200k+

NEW YORK



11% Under \$10k
24% \$10k-\$30k
29% \$30k-\$60k
21% \$60k-\$100k
12% \$100k-\$200k
3.3% \$200k+

UNITED STATES



9.5% Under \$10k
26% \$10k-\$30k
32% \$30k-\$60k
21% \$60k-\$100k
9.9% \$100k-\$200k
2.4% \$200k+

Education

CENSUS TRACT 31



2.0% No high school
6.5% Attended high school
15% Finished high school
15% Attended college
31% College degree
30% College+

NEW YORK COUNTY



10% No high school
11% Attended high school
13% Finished high school
12% Attended college
29% College degree
23% College+

NEW YORK



8.0% No high school
13% Attended high school
28% Finished high school
17% Attended college
23% College degree
12% College+

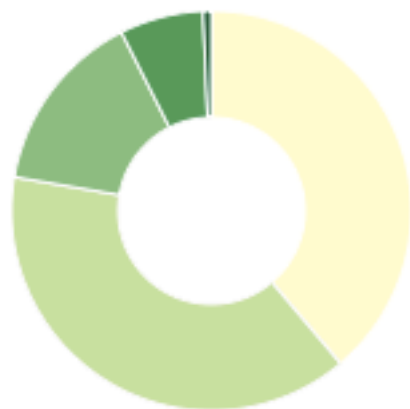
UNITED STATES



7.5% No high school
12% Attended high school
29% Finished high school
21% Attended college
22% College degree
8.9% College+

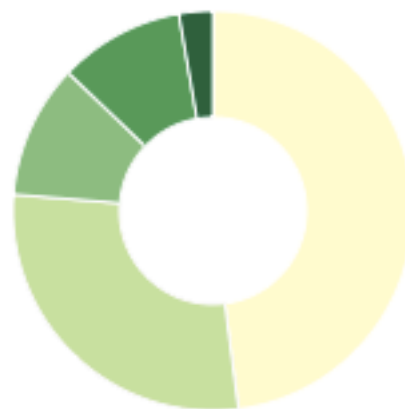
Housing

CENSUS TRACT 31



25% One person
25% Two person
9.5% Three person
4.3% 4 and 5 person
0.4% 6 and more person

NEW YORK COUNTY



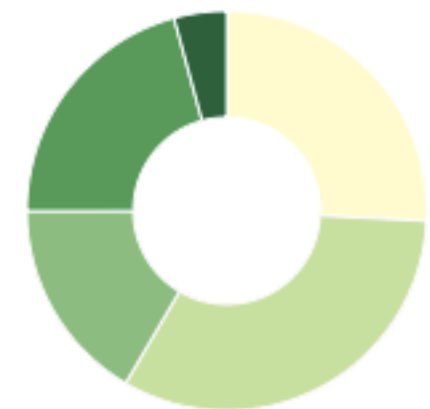
44% One person
26% Two person
10% Three person
9.4% 4 and 5 person
2.5% 6 and more person

NEW YORK



26% One person
27% Two person
15% Three person
19% 4 and 5 person
4.4% 6 and more person

UNITED STATES



23% One person
30% Two person
15% Three person
19% 4 and 5 person
3.9% 6 and more person

Tools

Our choice of tools is biased toward simple hosting and flat-file storage.

census-tools

Getting the original data: “...help make it easy to extract data from the online zip file of the 2000 U.S. Census without having to download them first.”

<http://sta.mn/xx>

Protovis

Charts in the browser: “...a graphical toolkit, designed for visualization”

<http://sta.mn/qqq>

FCC Block API

No database: “... returns the US Census Bureau Census Block number (a.k.a. the 15 character FIPS Code) given a passed Latitude and Longitude.”

<http://sta.mn/rww>

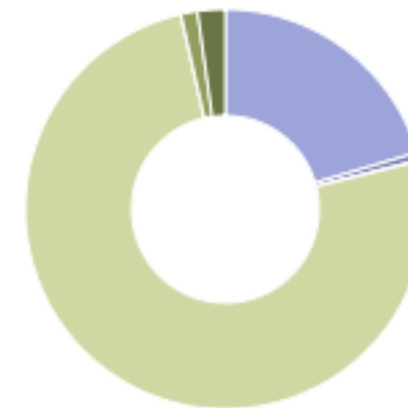
Block 36.061.004100.0000

Census Tract 41, New York County, New York



Race

CENSUS TRACT 41



- 20% White alone
- 0.6% Black or African American alone
- 0.1% American Indian and Alaska Native alone
- 75% Asian alone
- 0.0% Native Hawaiian and Other Pacific Islander alone
- 1.3% Some other race alone
- 2.2% Two or more races

Block 25.017.353700.0000

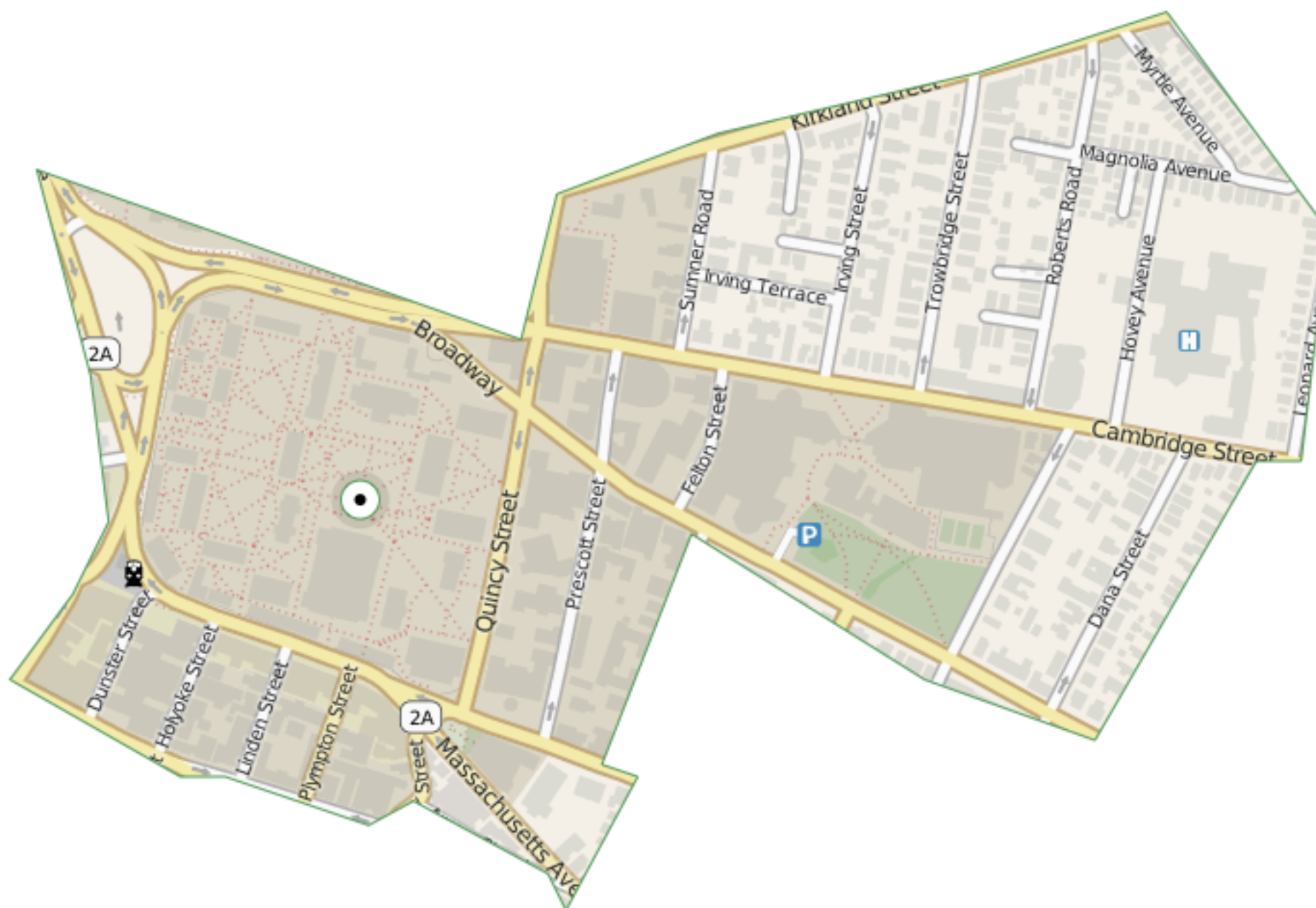
Census Tract 3537, Middlesex County, Massachusetts

Education

CENSUS TRACT 3537



- 2.6% No high school
- 1.4% Attended high school
- 11% Finished high school
- 6.1% Attended college
- 31% College degree
- 48% College+



Block 12.021.010901.1008

Census Tract 109.01 (part), Collier County, Florida



Age

CENSUS TRACT 109.01 (PART)



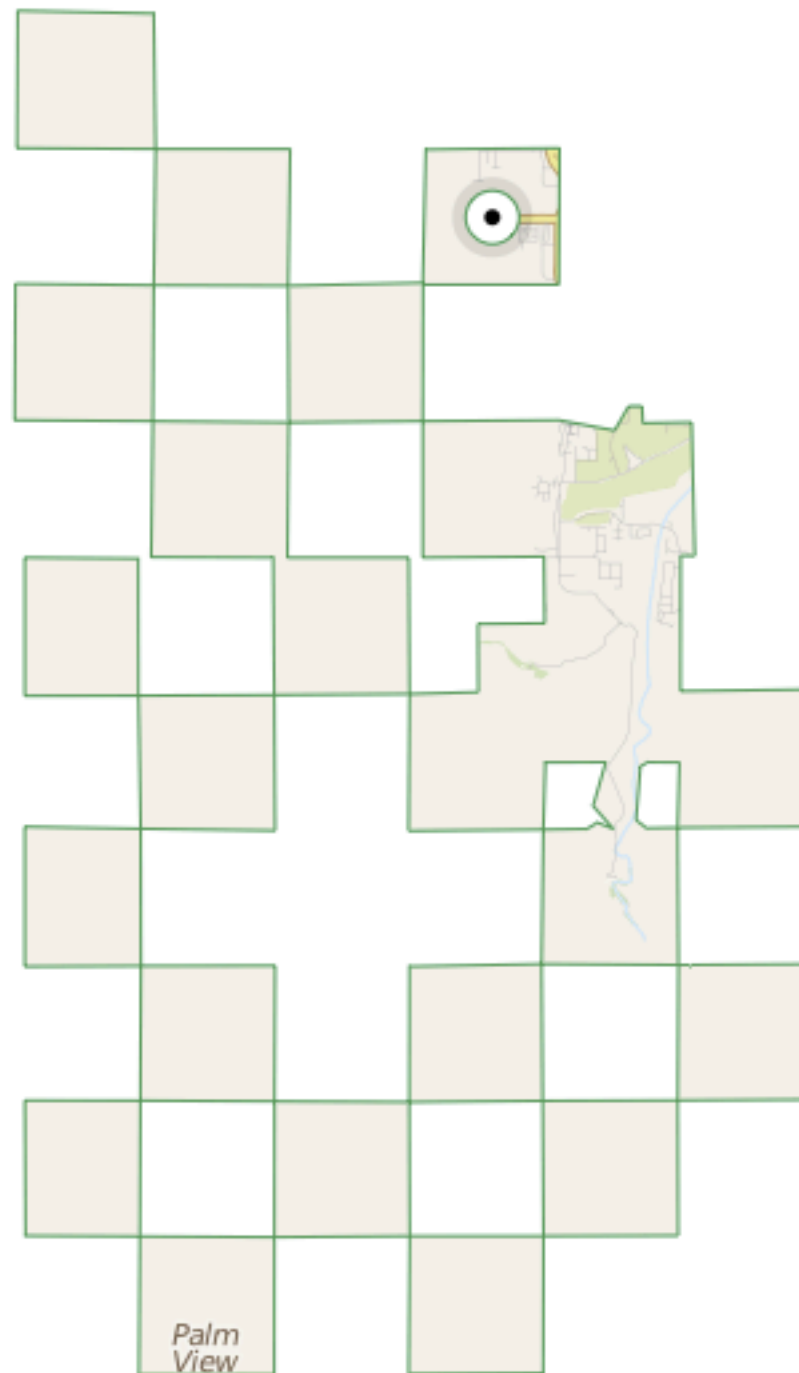
- 9.2% Under 18
- 4.8% Age 18 to 29
- 11% Age 30 to 44
- 37% Age 45 to 64
- 38% Age 65 and up

Block 15.005.031900.1003
Census Tract 319, Kalawao County, Hawaii



Block 06.065.010700.1012

Census Tract 107 (part), Riverside County, California





Here vs. There
Now vs. Then
Small-Here vs. Big-Here

<http://sta.mn/jty>

Thank You.

Michal Migurski
mike@stamen.com



