

Crime and Data in Oakland

OpenOakland.org

17 June 2014

- Rik Belew
- Lt. Chris Bolton
- José Dorado

Grounding local news

SFGate News Sports Business

San Francisco
magazine

EAT & DRINK > NEWS & FEATURES > TRAVEL

VISITOR'S GUIDE BRIDES BEST OF THE BAY FALLFEST

Home > City Life > The Thin Blue Privatized Line >

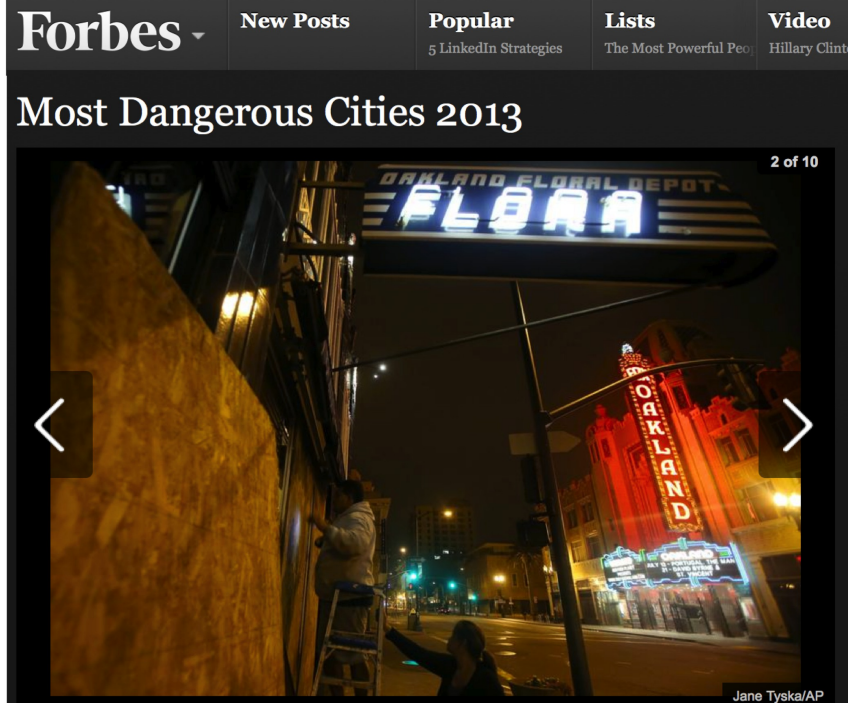
Violent crime plummets in Oakland

Will Kane

Updated 7:50 am, Monday, June 3, 2014

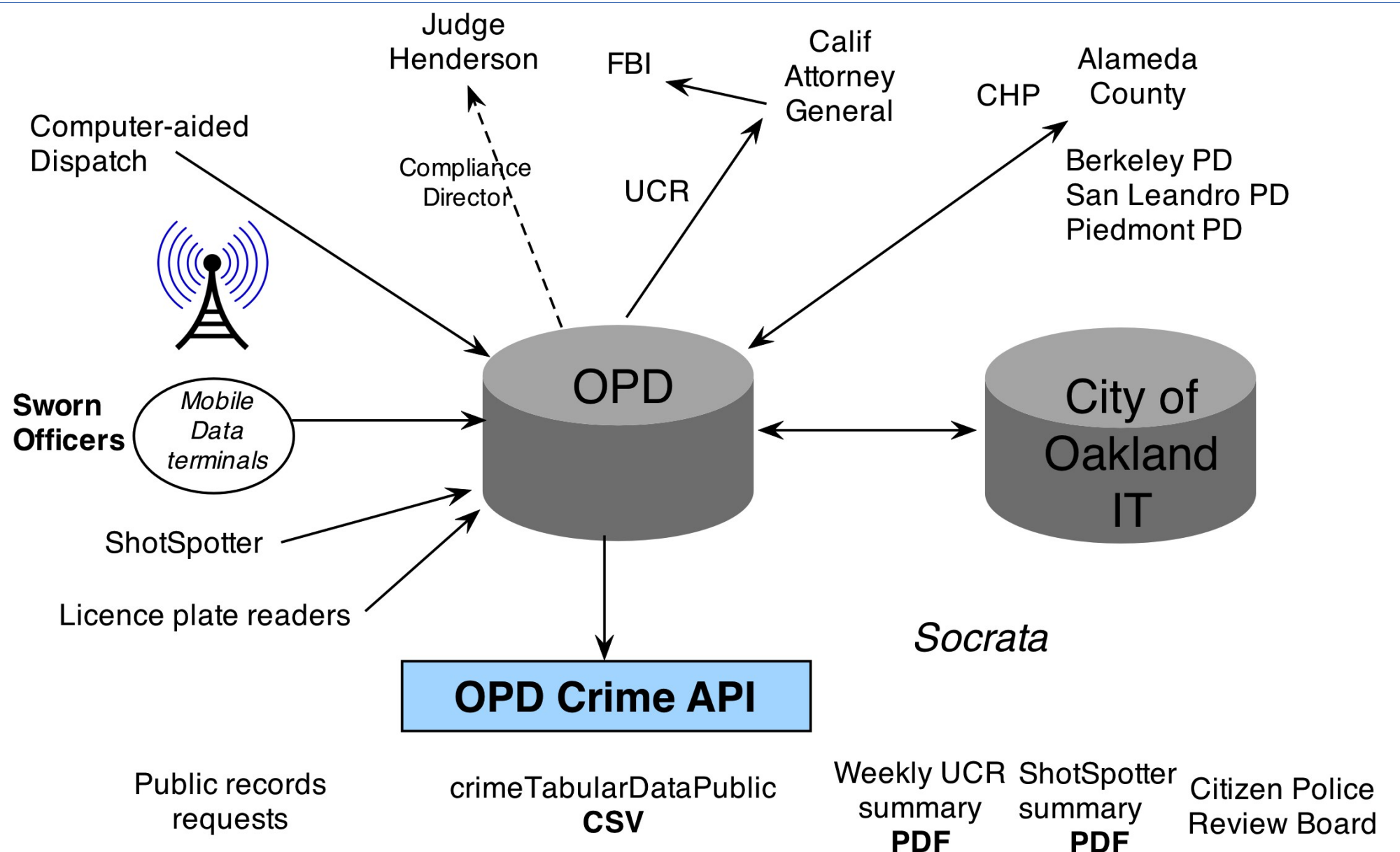
The Thin Blue Privatized Line

on | Photo: Jesse Lenz | June 3, 2014



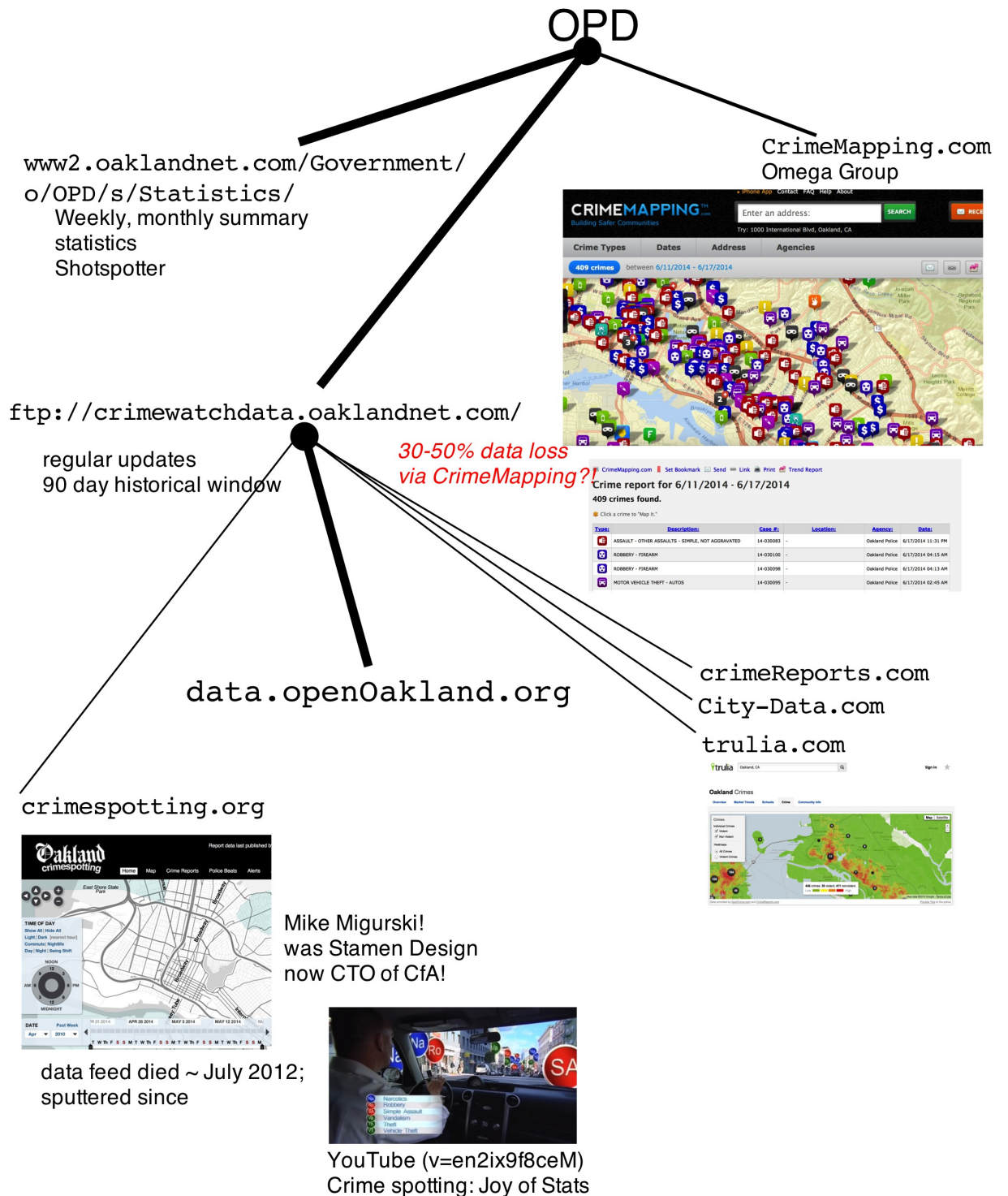
The No. 2 city on this year's list is going the opposite direction from Detroit. Oakland's violent crime rate rose 16% to 1,993 per 100,000 residents, more than triple the national average. The city across the bay from San Francisco had a much lower murder rate than Detroit's however, at 32 per 100,000, putting it below murder hotspots like Detroit, New Orleans at 53, and Newark, N.J. at 34.

Oakland data ...



Getting data from OPD

- OPD IT
- Oakland IT
- Commercial interests



OO CrimeData

	CrimeType	Time/date	Description	Address	Beat			
	A	B	C	D	E	F	G	H
1	BURG - RESIDENTIAL	2014-05-26 20:14-027138	BURGLARY-FORCIBLE ENTRY	600 54TH ST	11X	Oakland	CA	
2	DOMESTIC VIOLENCE	2014-06-03 11:14-027471	BATTERY:SPOUSE/EX SPOUSE	1800 100TH AV	32X	Oakland	CA	
3	MISDEMEANOR ASSAULT	2014-06-02 20:14-027356	BATTERY	1400 JEFFERSON ST	04X	Oakland	CA	
4	MISDEMEANOR ASSAULT	2014-05-26 20:14-027357	DISTURB BY LOUD/UNREASON	1100 18TH ST	05X	Oakland	CA	
5	BURG - RESIDENTIAL	2014-06-02 20:14-027359	BURGLARY-NO FORCE	2100 WEST ST.	05X	Oakland	CA	
6	MISDEMEANOR ASSAULT	2014-06-02 21:14-027360	BATTERY	7600 MACARTHUR BL	30Y	Oakland	CA	
7	BURG - AUTO	2014-06-02 21:14-027361	BURGLARY-AUTO	300 JEFFERSON ST	01X	Oakland	CA	
8	ROBBERY	2014-06-02 21:14-027364	CARJACKING WITH FIREARM	92ND AV & SUNNYSIDE	34X	Oakland	CA	
9	DISORDERLY CONDUCT	2014-06-02 22:14-027366	DISTURB THE PEACE	2600 WAKEFIELD AV	18Y	Oakland	CA	
10	DISORDERLY	2014-06-02 22:14-027369	DISORDERLY	2333 WAKEFIELD AV	01Y	Oakland	CA	

Multiple charges associated with same incident!

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	Idx	OPD_RD	Oldx	Date	Time	CType	Desc	Beat	Addr	Lat	Long	UCR	Statute	CrimeCat				
2		000-852753	1	2008-07-18	06:00:00	BURGL - AUTO	BURGLARY-AUTO	23X	4000 ALAMEDA	37.7682	-122.22	16(-)	PC 459(-)	LARCENY_BURGLARY_AUTO				
3		100-852753	2	2008-07-18	06:00:00		BURGLARY-AUTO	23X	4000 ALAMEDA	37.7682	-122.22	16(-)	PC 459					
4		201-015068	1	2010-02-24	00:00:00	FORGERY & COUNTER	MAKE/PASS FICTIT	02X	900 MARKET ST	37.8034	-122.28	31	PC 476	LARCENY_FORGERY-COUNTERFEIT				
5		301-053413	1	2010-09-28	00:00:00	OTHER	GRAND THEFT						WI 5150(-)	OTHER				
6		401-053413	2	2010-09-28	00:00:00		GRAND THEFT					16(-)	PC 487					
7		501-666666	1	2009-06-23	00:00:00	MISDEMEANOR ASSA	DISTURB THE PEAC	22X	4028 WHITTLE	37.8058	-122.21	54	PC 415	QUALITY_DISORDERLY-CONDUCT				
8		602-022115	1	2012-05-07	13:40:00			03X										
9		702-093970	1	2007-05-18	11:00:00	MISDEMEANOR WARR	MISDEMEANOR BE	99X	O/S	37.8051	-122.27		XX B/W-MI	COURT WARRANT_MISDEMEANOR				
10		802-517054	1	2007-01-01	06:15:00	OTHER	MISDEMEANOR BE	99X	O/S	37.8051	-122.27		WI 5150(-)	OTHER				

Derived LAT/LONG!

- Crime type+description connected to
 - UCR
 - statute
 - CrimeClassificaiton

- 6. LARCENY
 - A. BURGLARY
 - i. AUTO
 - ii. COMMERCIAL
 - iii. OTHER
 - iv. RESIDENTIAL
 - B. FORGERY-COUNTERFEIT
 - C. FRAUD
 - D. THEFT
 - i. GRAND
 - ii. PETTY
 - iii. VEHICLE
 - a. AUTO

data.openOakland.org

- Updated monthly
- Published as
 - CSV
 - JSON
 - SQLite

The screenshot shows a web browser with multiple tabs open, including 'datetime...', 'Python 2.6 Q...', 'Crim...', 'oakland ...', and 'Oakland ...'. The address bar shows 'data.openOakland.org/dataset/crime-reports'. The page features a navigation bar with 'Datasets', 'Groups', 'About', and 'Blog' links, along with a search bar and 'Login' and 'Register' buttons. The main content area is titled 'Datasets / Crime Reports' and includes a green shield icon with a white checkmark, labeled 'Public Safety' and 'Crime reports, fires, reentry'. Below this are social media links for Google+, Twitter, and Facebook, and a license section for 'Open Data Commons Attribution License'. The 'Other Access' section provides links for JSON and RDF formats, and mentions the DKAN API. On the right, a list of data resources is displayed, each with an 'Explore Data' button: 'Crime Reports Metadata' (Field information), 'Crime Reports Metadata XLS' (info on fields published), 'Crime Reports from 2003-2011' (Crime reports from 2003 to 2011. Full descriptions, addresses and geocoded...), 'Crime Reports 2007-2012 Official' (Official reports file from the City of Oakland, geocoded by Urban Strategies...), 'Crime Reports 2007-2013' (Crime reports from OPD, incomplete 2013 data, combination of OPD records,...), 'Oakland Crime data 2013 to March 2014' (Updated Oakland crime data including 2013 data from a Public Records Request...), 'OPD_crimeData_140614_CSV' (This data was marshalled 14 Jun 2014. The number of unique case IDs (...)), 'OPD_crimeData_140614_DB' (This data was marshalled 14 Jun 2014. The number of unique case IDs (...)), and 'OPD_crimeData_140614_JSON' (This data was marshalled 14 Jun 2014. The number of unique case IDs (...)).

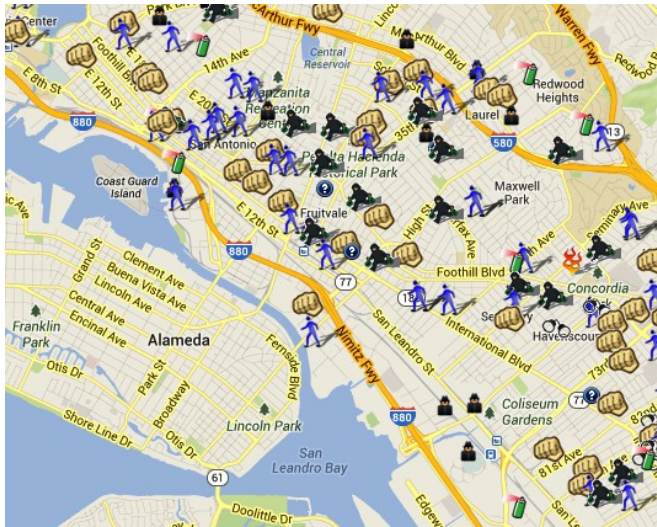
Shared Context for Crime Data

CRIMETYPE	DATETIME	CASENUMBER	DESCRIPTION	POLICEADDRESS
DOMESTIC VIOLENCE	2006-12-07 20:29:0	06-108891		20X 1091 CALCO
OTHER	2006-12-08 04:20:0	06-108960	BURGLARY-FORCIBLE ENTRY	30X 73RD AV&INT
BURG - OTHER	2006-12-08 07:00:0	06-108977	BURGLARY-FORCIBLE ENTRY	08X 336 W MACAR
TOWED VEHICLE		06-109042	BUY/SELL/POSSESS VEHICLE WITH ALTE	21X 2300 24TH A
FELONY WARRANT	2006-12-08 23:20:0	06-109204	HARM/DEATH:ELDER/DEP ADLT	08X 400 W MACAR
FELONY ASSAULT	2006-12-09 08:45:0	06-109335	FORCE/ADW-HANDS, FISTS, FEET:GBI	23X FOOTHILL BI
OTHER	2006-12-09 10:05:0	06-109350	ILLEGAL USE OF PAY TELEPHONE	07X 800 MILTON
OTHER	2006-12-09 10:05:0	06-109350	DUMP WASTE ON PUBLIC/PRIVATE ROAD/	107X 800 MILTON
OTHER	2006-12-09 10:05:0	06-109350	POSSESS OPEN CONTAINER OF ALCOHOL	107X 800 MILTON

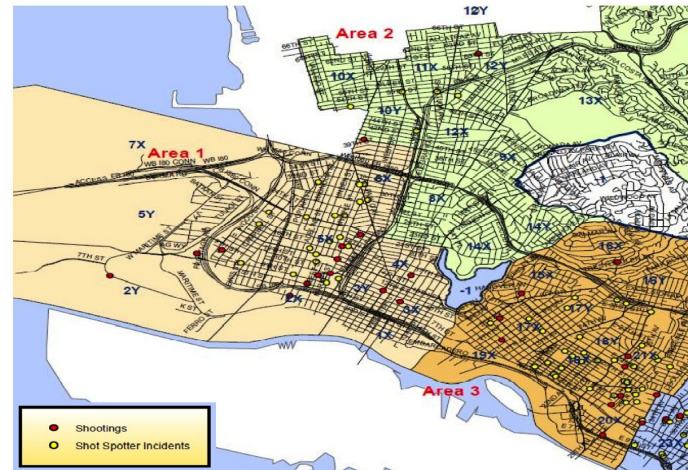
- What does **DATETIME** *mean* (time crime occurred, when it was reported, ...)?
- Where is 73RD AV&INTERNATIONAL ?
- Why so many block-rounded addresses (eg, 800 MILTON)?
- What is a **CRIMETYPE**? What does ASSAULT *mean*?
- How can I connect this data to what Oakland generates as part of Uniform Crime Reporting (UCR) to the FBI?
- How fresh is this data?
- What about crime from last year?
- ...

Lt. Chris Bolton

Geodata and mapping

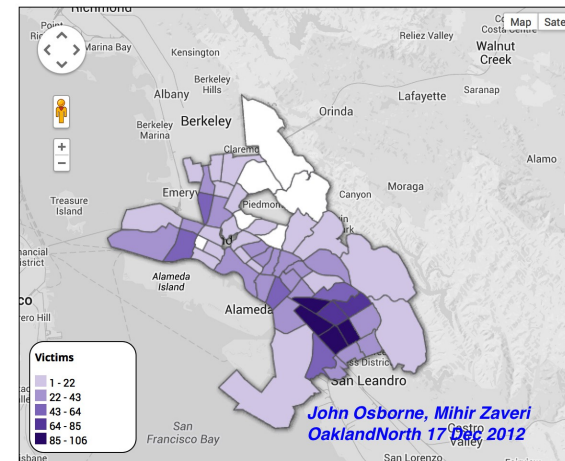


WEST OAKLAND (Area's 1-3) SHOT SPOTTER INCIDENTS
Area 1: 22 Incidents Area 2: 6 Incidents Area 3: 40 Incidents



As reported shootings rise, analyzing gun violence, and its effect on young people, in Oakland

Categories Victims — click on the map to display victims by age and race/ethnicity.



- Crime data are vastly improved by GPS coordinates, but so are most other data.
- ***GOAL: Establish an Oakland-certified GIS server for community use!***

Statistics and charting

6. LARCENY

A. BURGLARY

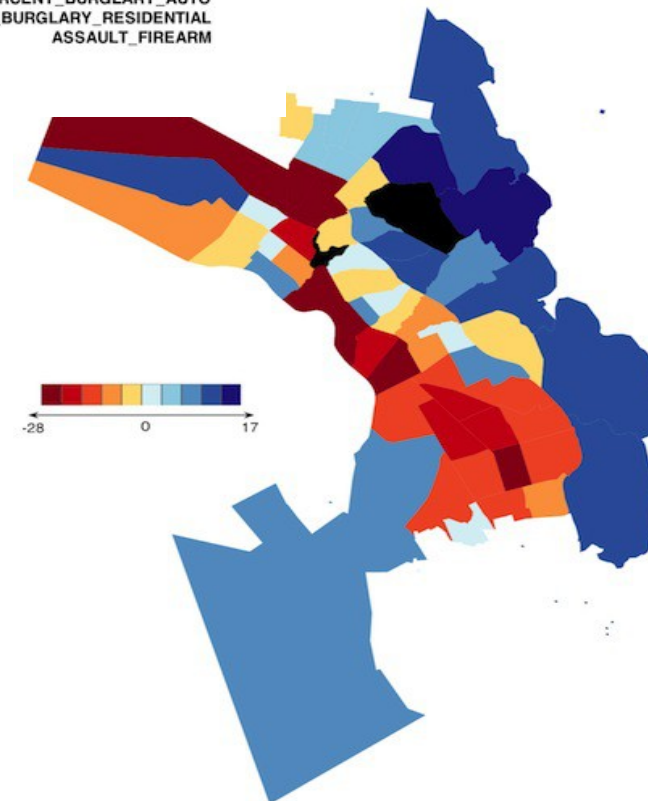
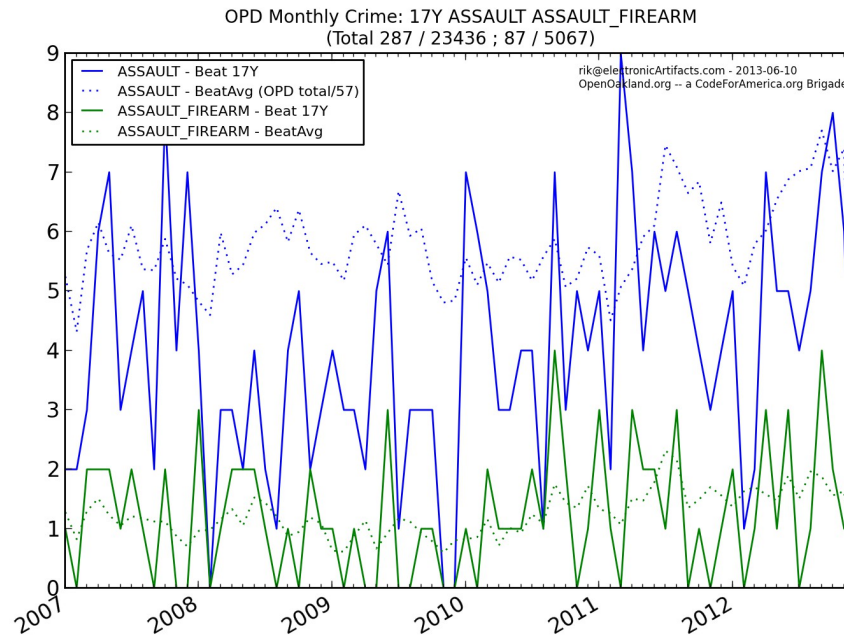
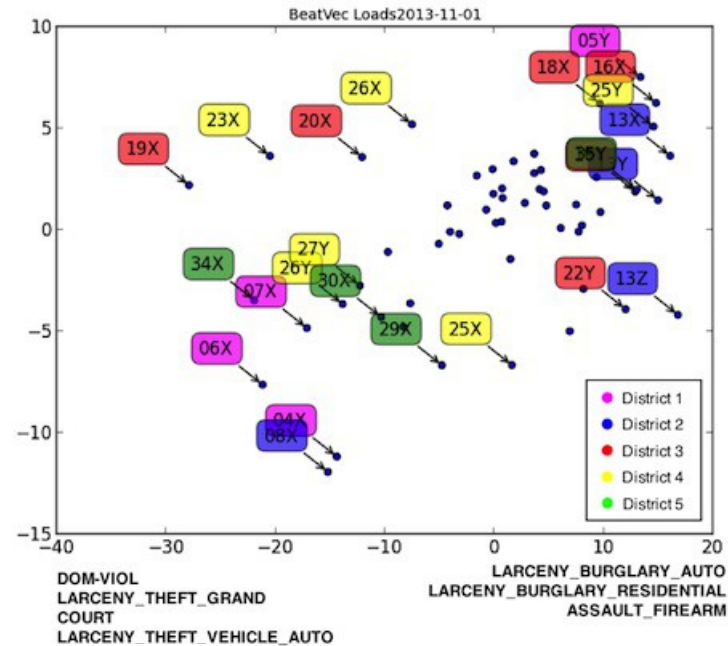
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B. FORGERY-COUNTERFEIT

C. FRAUD

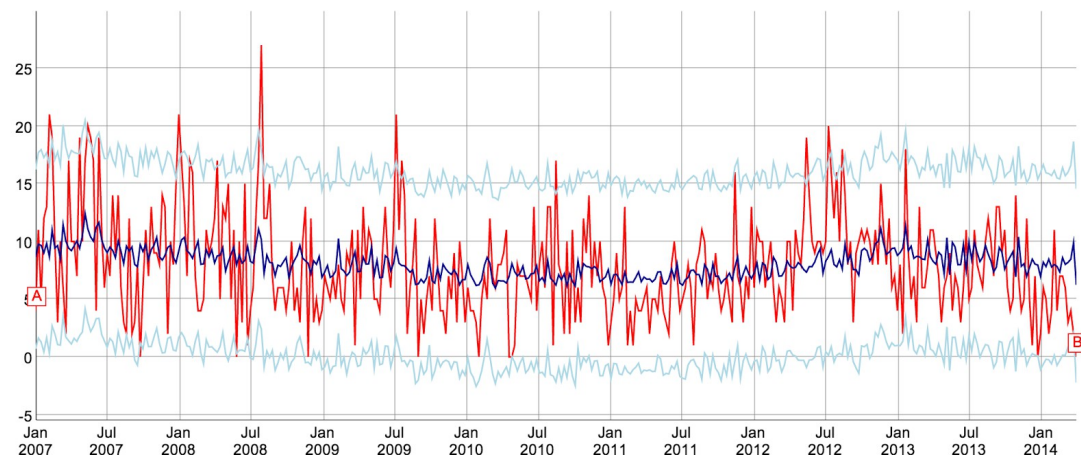
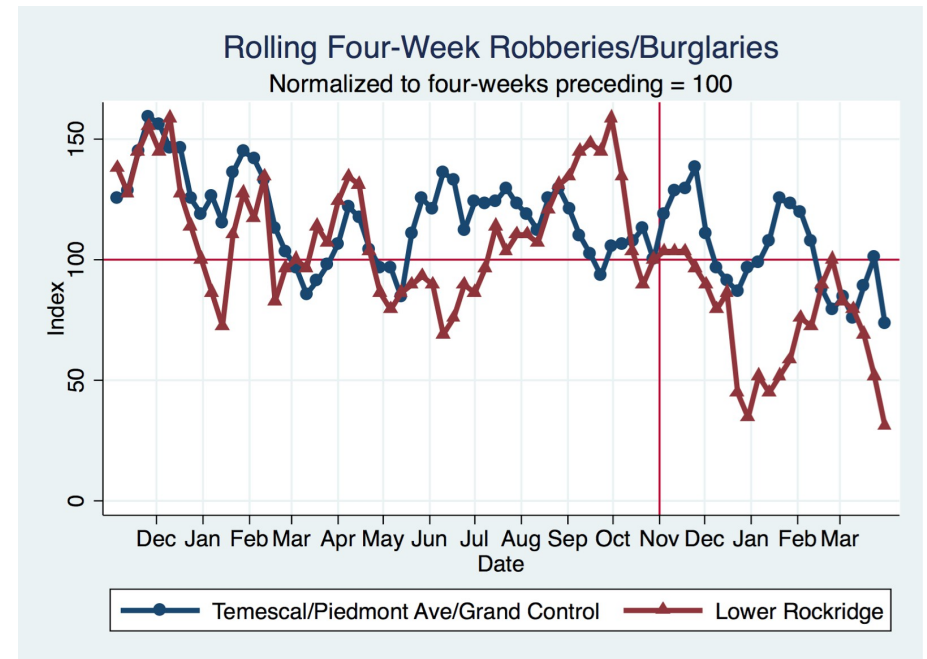
D. THEFT

- i. GRAND
- ii. PETTY
- iii. VEHICLE
 - a. AUTO



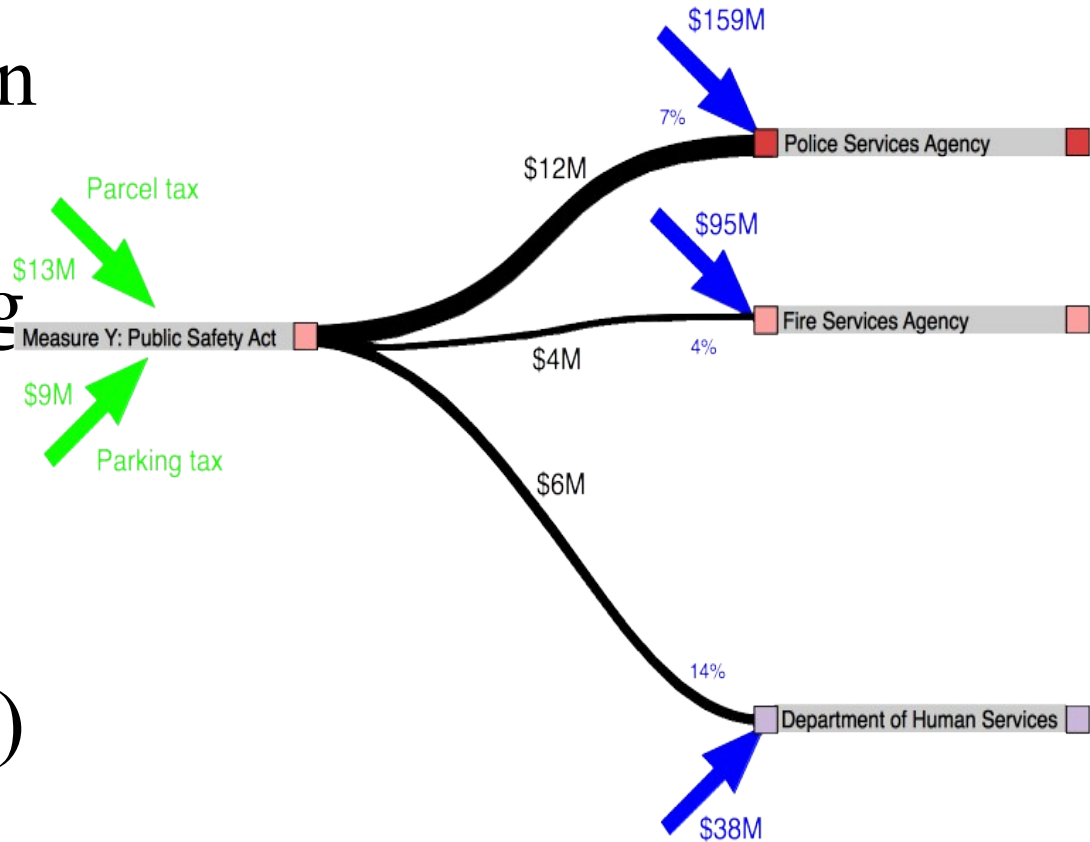
Sample application: Evaluation of Rockridge patrols

- Measuring the Effectiveness of Private Security Patrols in Lower Rockridge May 5, 2014 [<http://goo.gl/PTTaeB>]
- “Causal” models are hard!
- Comparing areas ,time periods
 - “Baseline” period
 - National crime trends
- Simultaneous changes in
 - OPD responses?
 - Residents' behaviors
- “To me the best thing is connecting folks. Learning more, and being more aware of the community. ... more accountability by our Police Force and City Council to respond to crime.”



Measure Y

- 2004: Violence Prevention and Public Safety Act
- Funded by parcel, parking taxes
- Connecting OPD(\$12M/yr) and Human Services (\$6M/yr)
- 2008: OPD sued, can't use MY funds for training...
- Lapses in 2014



Going after causes



- Crime is just the symptom
- UNITE, part of Oakland's Human Services
- Funded by Measure Y, \$7M in state, federal grants
- Whatever else it does, Measure Y was designed to connect policing to crime's origins

What comes next?

- <http://test.electronicartifacts.com/EA/project/after-measurey/what-should-happen-after-measurey>

- Take the survey
- \$50M to be spent on Oakland IT, soon!
- Hire Director IT, OPD
- Hire CIO for Oakland
- Ask City Council
- **VOTE** - Nov'2014
 - Mayor
 - City Council #2, 4 and 6
- Changes *you* want to see

What should happen after MeasureY?

This is designed to be a prototype of a poll for Oakland, CA citizens in anticipation of the termination of the 2004 MeasureY parcel tax, as amended by 2010 MeasureMM.

Your E-Mail Address ■

required to ensure single voting

Oakland residency ■

What's your relationship to Oakland?

- ☐ I work in Oakland
- ☐ I rent the place I live in Oakland
- ☐ I own a single-family home in Oakland
- ☐ I own a multi-family building in Oakland

Public safety spending ■

How are you feeling about how your dollars are connecting to your sense of public safety?

	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
I would not want to use any of the MeasureY saving I see for public safety purposes.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I want to spend less than I do now on public safety purposes.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I want to spend about the same as I do now on public safety purposes.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am willing to spend more than I do now on public safety	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Neighborhood organizing

- Some blocks are paying for their own security patrols
- Some blocks are installing their own surveillance cameras
- Most can't afford to do either
- NCPC: Neighborhood Community Policing Committees
 - Organized by police beat (eg, 22X)
 - Existing connections to OPD
 - *Not networked to one another?!*
- *What beat are you in?*
- *Do you have an active NCPC?*
- *Let's network these organizations!*

José Dorado

Turnkey NCPC-in-a-box

- Localized window into crime data
- Common interface to/from Oakland OPD, social services
- Promote inter-NCPC communication
- Integration across other social media

