



Disasters in the Making: How I Torture Open Government Systems

Dr. Tom Keenan FCIPS, I.S.P., ITCP, Professor
Faculty of Environmental Design & Dept. of Computer Science

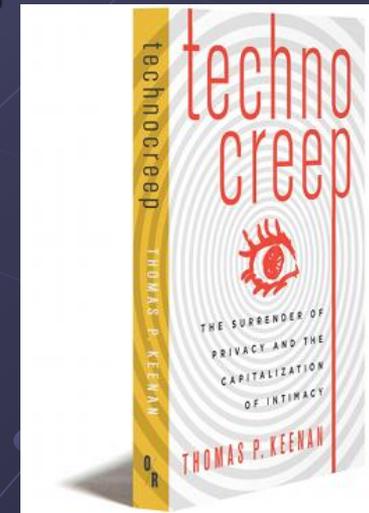
keenan@ucalgary.ca

[@drfuture](https://twitter.com/drfuture)

Black Hat Asia Briefings

Singapore

March 27, 2014



Disclaimers

- These views are mine; not my employer's, my publisher's, etc.
- I DO LIKE OPEN DATA!
 - I just want to see it done right.
- Some of the vulnerabilities shown have been fixed/changed/modified.
 - They are still instructive as cautionary tales.
- More information is found in:
 - www.orbooks.com/technocreep
 - decreeping.wordpress.com

Why Open Data?

- Governments around the world are joining in. Why?
 - Calls for transparency (“it’s the taxpayers money”)
 - Sincere desire for innovation (“they’ll come up with some great uses for our data at that Hackathon”)
 - Fear (“Wikileaks is going to get this anyway; it looks better if we release it”)
 - Cheapness (“we don’t have to pay developers”)
 - Positive sentiments about open source; “sunshine laws”; transparency; “data wants to be free”

Some notable examples

- NYC Datamine
- Philadelphia OpenDataPhilly
- Open Data Framework (Vancouver, Edmonton, Toronto and Ottawa)
- Open Data Challenge (EU)
- Data Portal India: 4412 datasets, 51 depts
- Direct input systems like seeclickfix.com

NYC Datamine

- On October 6, 2009 NYC released, with great fanfare, 103 municipal data sets
- One listed 1100 women's organizations in the city
- Release contained their private email address, secret question like "favorite pet" and answer like "fluffy"

Problem #1: Neglecting to read and redact data sets before releasing them!

Toronto's 311 System

	A	B	C
1	CREATION DATE	SERVICE REQUEST LOCATION	SERVICE REQUEST TYPE
2	2013-12-21 00:16	M1K	Property Standards
3	2013-12-21 00:23	Lawrence Ave E/Burnview Cres Scarborough	Sidewalk Icy Needs Sand/Salt
4	2013-12-21 00:26	Knotwood Cres/Mantis Rd Scarborough	Road - Sanding / Salting Required
5	2013-12-21 00:30	M6M	Road - Sanding / Salting Required
6	2013-12-21 00:35	M2H	Sidewalk - Damaged / Concrete
7	2013-12-21 01:01	Logan Ave/Danforth Ave Toronto	Traffic Signal Maintenance
8	2013-12-21 00:08	M6E	Residential Furniture / Missed
9	2013-12-21 00:46	Donlands Ave/Sammon Ave East York	Road - Sanding / Salting Required
10	2013-12-21 00:48	M6J	Noise
11	2013-12-21 00:49	Seaton St/Shuter St Toronto	Road - Cleaning/Debris
12	2013-12-21 00:52	Military Trl/Old Kingston Rd Scarborough	Road - Sanding / Salting Required
13	2013-12-21 00:55	Ellesmere Rd/Neilson Rd Scarborough	Road - Sanding / Salting Required
14	2013-12-21 00:59	M6R	Noise
15	2013-12-21 01:10	M8W	Road - Sanding / Salting Required
16	2013-12-21 01:23	Kingston Rd/Midland Ave Scarborough	Sidewalk Icy Needs Sand/Salt
17	2013-12-21 01:24	M1K	Sidewalk Icy Needs Sand/Salt
18	2013-12-21 01:32	M8Y	Noise

SANTA CLAUS
 NORTH POLE
 HOH OHO CANADA



Why is this a problem?

- The Forward Sorting Area, usually takes into account hundreds of houses
- The “nearest intersection” could potentially identify a single home
- Put it together with e.g. Google Maps and other databases (“data jigsawing”)
- Identify chronic complainers, vigilantes, etc.

Problem #2: Poor choice of data granularity

[Rotten Neighbors](#)[Recent Posts](#)[Rotten Media](#)

Recent Rotten Neighbors

- [WATCH YOU R KIDS AROUND THIS THRILER](#) - *Lynwood, IL*
 [15 Comments](#)
- [Vinidictive Neighborhood Beezy](#) - *Roseville, CA*
 [7 Comments](#)
- [Mean Dog Lady](#) - *Wading River, NY*
 [6 Comments](#)

[see all rotten neighbors](#)

WIN \$1000

HELP US FIND
AMERICA'S MOST INTERESTING NEIGHBOR

Submit a photo and description of as many houses as you want! If you submit the best house, you win \$1000!

[Learn More & Submit](#)



NEW!

Sex Offender Search

You may now search your zip code for known sex offenders!



NEW!

Neighbor Notes

Send your neighbor an anonymous letter.

[Learn More](#)

How Rotten Neighbor Works



Rotten Neighbor Alert

WHO IS WATCHING YOUR NEIGHBORHOOD?

Receive email notifications of Rotten Neighbors and Sex



-  Rotten Neighbors
-  Rad Neighbors
-  Sex Offenders
-  Foreclosures

Recent Posts



See. Click. Fix. Shame.



Large bump/hole in the road • Open

Queen Elizabeth II Hwy Calgary, AB T3N 1C5, Canada - Calgary

On the right hand lane, just as the bend begins to go right onto the Deerfoot, on the left side of the lane there is a huge dip/bubble/hole (hard to describe it) that if you hit it, can cause serious issues. Motorcyclists can actually 'get air' if they hit it dead-on and that could lead to... [read more](#)

2
votes

FIX IT!

2011-05-17 · Reported by Ed Reddy (Guest) · Share · Flag



Ed Reddy

The bump on the road is getting worse, and now it looks like it has a friend on the other side of the lane. It will require fixing shortly unless there's an accident first.

2011-11-02 · Flag

Write a comment...



Excessive Car Wash Noise • Open

116 89 St Sw Calgary, AB - Calgary

Car wash produces daytime noise exceeding legal limit of 65 dBA. Finally banned from operating at night time but often still violates by opening early on Sundays and Stat Holidays.

1
vote

FIX IT!

2013-01-21 · Reported by Buster (Guest) · Share · Flag

Write a comment...



Dangerous Ice on Road from Car Wash • Open

116 89 St Sw Calgary, AB - Calgary

Dangerous ice accumulating on Old Banff Coach Road due to dryer problem from Petro-Canada Glide

1
vote

FIX IT!

2012-12-08 · Reported by Buster (Guest) · Share · Flag

Write a comment...

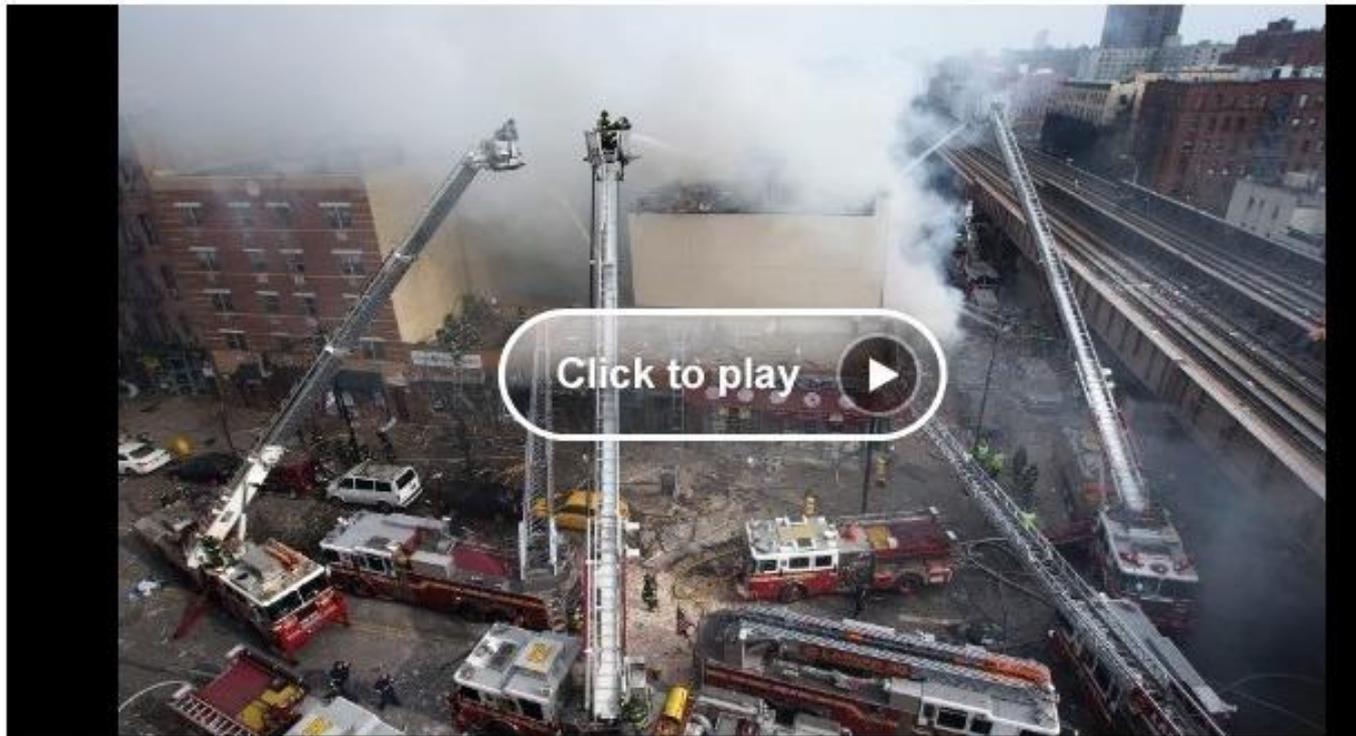


Sometimes the info is important!

Two buildings collapse, at least 2 dead after Manhattan explosion

By Ray Sanchez, CNN

March 12, 2014 — Updated 1613 GMT (0013 HKT)



Witness: Big explosion woke me up

A Better Way...Coordinate with Authorities

Maintenance Residential



missdelicious submitted an issue to Philadelphia, PA

15 days ago

broken windows, heaters do not work, broken doors, mold in walls, ceiling leaks, pipes leak in bathroom, kitchen and ceiling, water heater broken,



Ticket #3409377

1 Supporting

Submitted



02/23/2014

Accepted



02/23/2014

In Progress



02/23/2014

Completed



02/23/2014



Philadelphia Administrator City of Philadelphia

15 days ago

ACTION DT ACTION TYPE 27-JAN-14 SENT NOTICE OF VIOLATION 27-JAN-14 SENT NOTICE OF VIOLATION 27-JAN-14 INITIAL INSPECTION COMPLETED :VIOLATIONS UNCOMPLIED 27-JAN-14 INITIAL INSPECTION COMPLETED :VIOLATIONS UNCOMPLIED

Please [login](#) or [signup](#) to comment.

[« Back to Philadelphia, PA](#)



00522 E ROOSEVELT BLV, Philadelphia, PA



HEAT Score

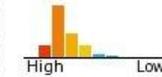


Max: 89 | Min: 39

Waste Heat Information (Gas): University Heights

Based on natural gas use, we estimate that **227** homes heat an area of **5.82x10⁵ sq.ft** and emit **2,249T** of CO₂e per year at a cost of **\$380,761**. By following HEAT recommendations, we estimate total community savings per year of **\$33,759** and a reduction of **199T** of CO₂e per year.

Score Distribution



Communities by HEAT Score

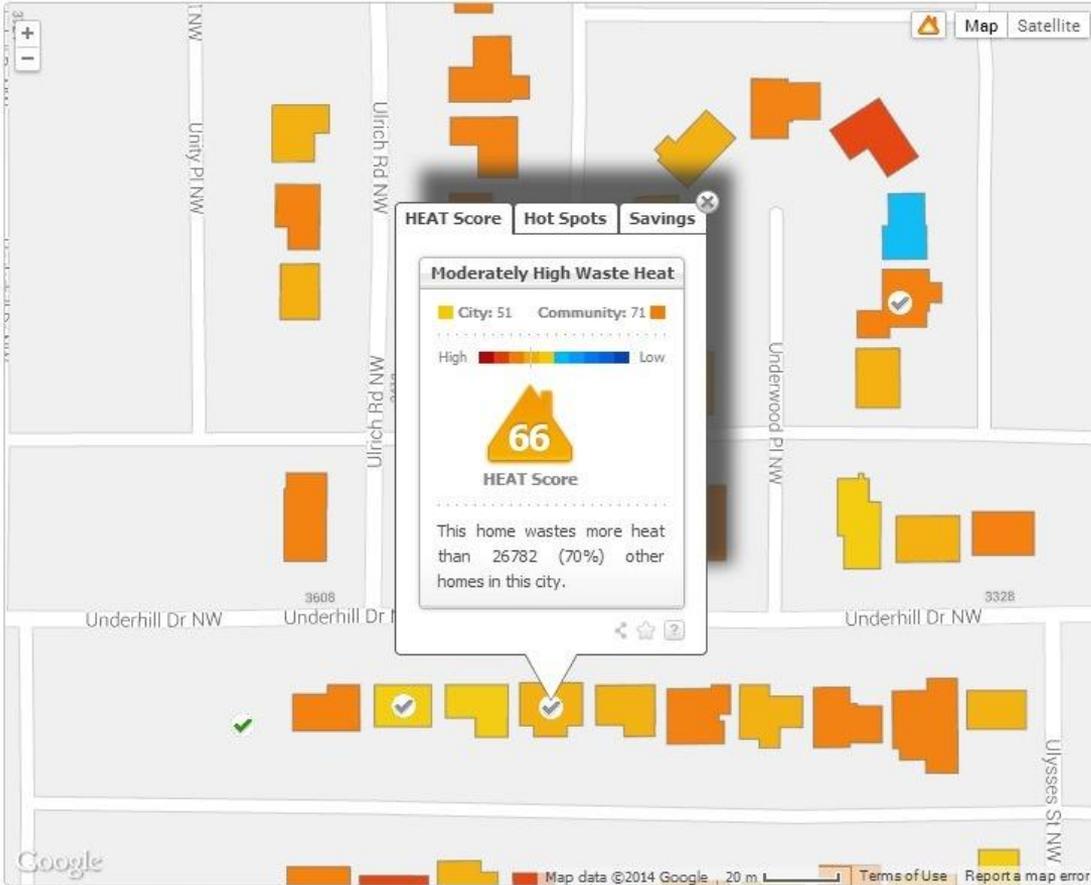
1. Patterson	73
2. Westgate	71
3. University Heights	71
4. Signal Hill	69
5. Glendale	69
6. Coach Hill	68
7. Killarney-Glengarry	68
8. Glenbrook	67
9. Springbank Hill	66
10. Strathcona Park	66
11. Aspen Woods	65
12. West Springs	64
13. Cougar Ridge	63
14. Christie Park	63
15. Arbour Lake	62

Certified HEAT Solutions

Not sure what step to take next? Book a certified home energy audit with **4 Elements**.

Keep Your Heat In

For further information, check out [this guide](#) by Natural Resources Canada's Office of Energy Efficiency.

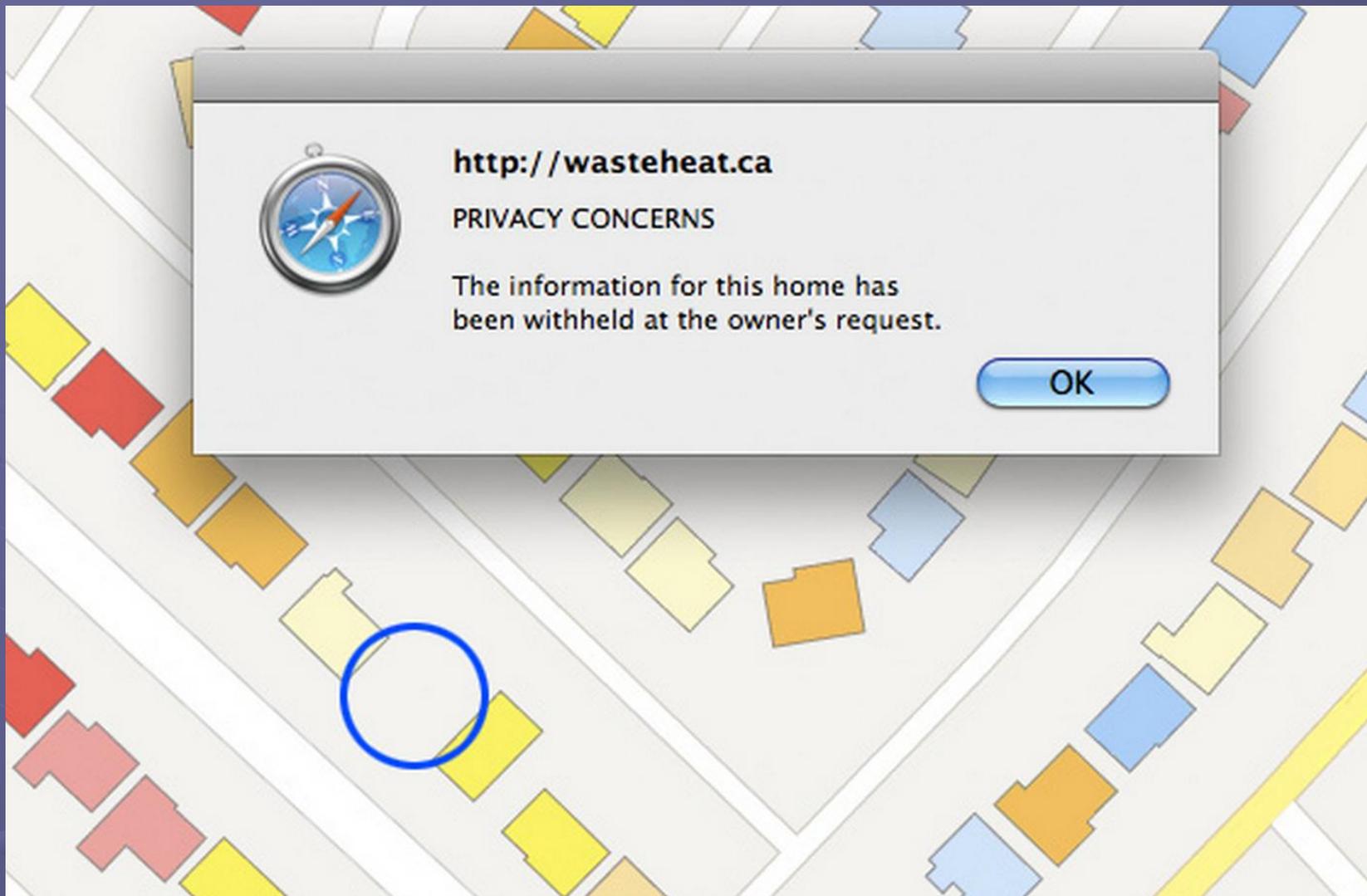


HEAT Score's represent single dwellings only

High Low

Map data ©2014 Google, 20 m

Submitted Not Verified Verified



Problem #3: Simply omitting someone's data doesn't make everything OK

When you offer a 20,000 € Open Data prize..



The Open Data Challenge is over!



- What was it?
- What did people say about it?
- Who were the winners?
- Who were the judges?
- Who was behind it?
- Where can I find open data?

If you'd like to keep in touch with other people interested in **open data**, you can join the **open-government** and **euopendata** mailing lists or follow the **#opendata** hashtag on Twitter.

Who Won?



PublicData.eu **beta** — Europe's Public Data

Groups Apps Ideas About

Login Register

Find datasets

ZNasichDani / From Our Taxes

View

Link

<http://znasichdani.sk/?l=en>

Developer

Fair-play Alliance and VORSR.sk

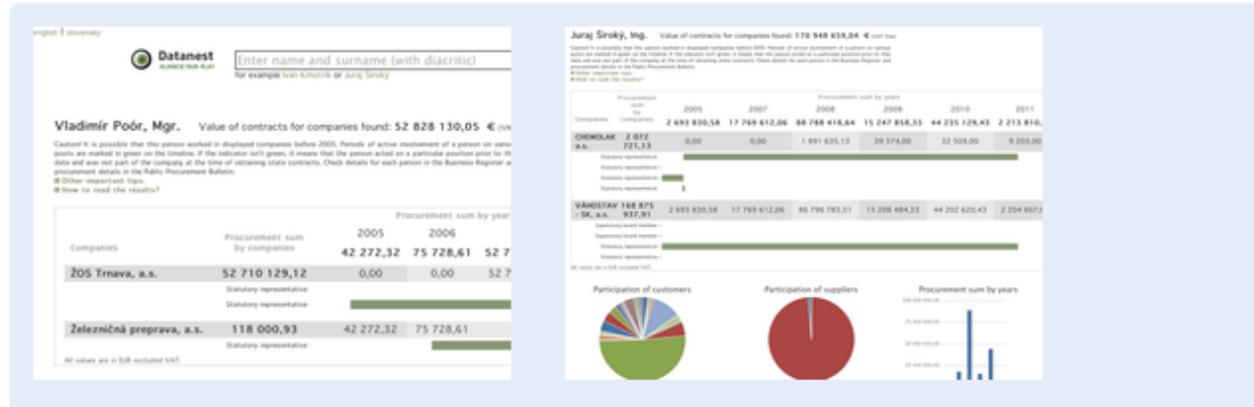
License

Closed

Tags

power networks transparency managers politicians

ZNasichDani.sk uncovers who are influential persons (owners, managers, statutory) standing behind companies successful in securing contracts with the state, thus helping uncover conflicts of interest; it also shows how large are the sums of contracts obtained in this way.



Who Wouldn't Agree with Such a Wonderful Application?

Open Data Challenge Winner Ordered To Remove Certain Data

Source: spectator.sme.sk

A court has ordered Slovak NGO Fair-Play Alliance to take down data from their award winning open data application.

Bratislava, 28 June 2011

(by Ton Zijlstra)

The Slovak NGO [Fair-Play Alliance](#), a transparency watch dog organisation, won the [Open Data Challenge](#) with their application [Znasichdani.sk](#) during the Digital Agenda Assembly in Brussels on June 16th.

A Slovak judge has now ordered the NGO to take down specific data from their winning application.

The application combines two public registers. The overview of all work contracted by the state, and the company register are combined to show what the total volume of work is that various people, through the businesses they represent or own, do for public bodies.

According to a [news article in the Slovak Spectator](#) the statutory representative, Jarmila Povazanova, of the Strabag construction company demanded in court that the total value of all public contracts of companies Povazanova represents be removed from the site. The Bratislava II district court ordered the NGO to remove that information. Director Zuzana

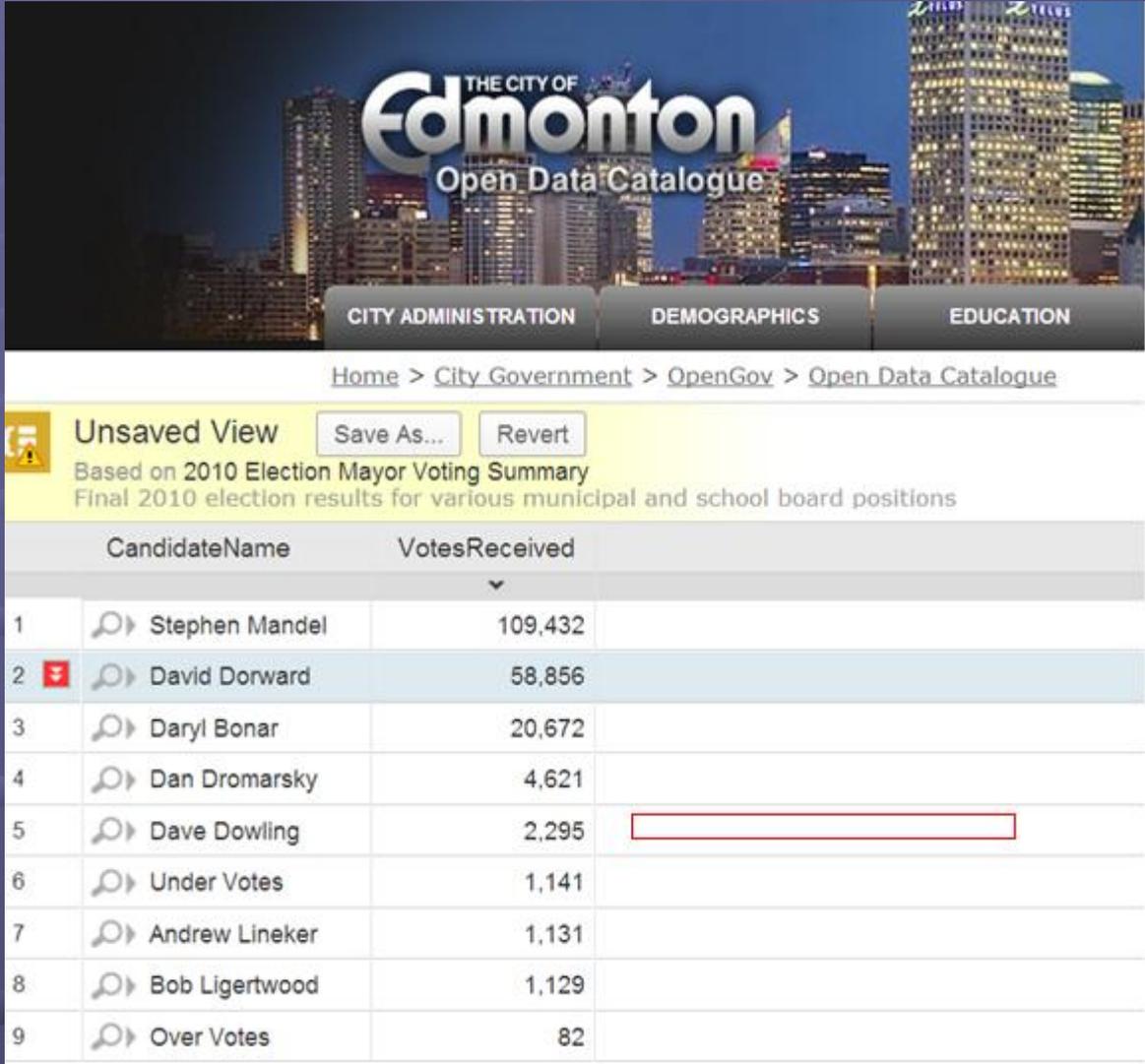
A little technical aside

- This thing runs off multiple open databases *all maintained by the Slovak government*
- The Fair-Play Alliance has read only access
- How are they supposed to “take down specific data” that they don’t control?
- Fair-Play Alliance has appealed the ruling and is still in operation.

Problem #4: Laws, policies and judges lag behind technology

Problem #5: Data can live in many places!

Of Course, Election Results Should be Open Data (right?)



The screenshot shows the City of Edmonton Open Data Catalogue interface. At the top, there's a header with the city name and navigation tabs for 'CITY ADMINISTRATION', 'DEMOGRAPHICS', and 'EDUCATION'. Below the header, a breadcrumb trail reads 'Home > City Government > OpenGov > Open Data Catalogue'. The main content area displays an 'Unsaved View' for a dataset titled 'Based on 2010 Election Mayor Voting Summary' with a description: 'Final 2010 election results for various municipal and school board positions'. A table with two columns, 'CandidateName' and 'VotesReceived', lists the candidates and their respective vote counts. A red rectangular box highlights the 'VotesReceived' column for the fifth candidate, Dave Dowling.

	CandidateName	VotesReceived
1	Stephen Mandel	109,432
2	David Dorward	58,856
3	Daryl Bonar	20,672
4	Dan Dromarsky	4,621
5	Dave Dowling	2,295
6	Under Votes	1,141
7	Andrew Lineker	1,131
8	Bob Ligertwood	1,129
9	Over Votes	82

Did My Wife Vote for Me?

City	Ward 11 City Wide Hospital	9	FALSE	1	Daryl Bonar	1
City	Ward 11 City Wide Hospital	9	FALSE	2	David Dorward	5
City	Ward 11 City Wide Hospital	9	FALSE	3	Dave Dowling	0
City	Ward 11 City Wide Hospital	9	FALSE	4	Dan Dromarsky	0
City	Ward 11 City Wide Hospital	9	FALSE	5	Bob Ligertwood	0

Problem #6: People can make inferences about individuals from small numbers

Campaign Finance Disclosure Rules Date Back to 1970s

- US Federal Elections Commission laws go back to 1980. Just a reminder of what we had for data mining technology back then:



Source: Wikimedia Commons

Philadelphia's OpenDataPhilly.org

- Includes Campaign Finance Records, which are generally required to be disclosed.
- “Results are freely viewable and printable ~~but not available for download~~”
- “empty searches take too long”
- It wasn't long until I had some .csv files to play with

Problem #7: Controls on downloading are aimed at general public, not data torturers!

What We Can Learn

- Full address provided. Tied to tax receipt so probably chosen with care
- In the US '27.6% of households have unlisted (telephone) numbers. In many cities the unlisted rate is over 50%.'
 - Source: <http://www.busreslab.com>
- People often pay for privacy, and need it for personal and business reasons
- Government went back 7 years without any additional consent.

There are some rather interesting addresses in the file

I could have plotted these on a map (each with Google Maps API) but didn't really need to

SHAWN KIRWIN	1719 SPRING GARDEN STREET Philadelphia, PA 19130-3915	\$350.50	Jan 25, 2013	International Brotherhood of Electrical Workers Local 98 Committee on Political Education
HABIB WALEED	4959 N FRANKLIN STREET PHILADELPHIA, PA 19123-1326	\$5.00	Apr 15, 2011	International Union of Painters and Allied Trades Political Action Together Political Committee
PAUL E PROIETTO	691 MILLBROOK RD. RIVER EDGE, NJ 07661-1453	\$16.36	Feb 25, 2011	International Union of Painters and Allied Trades Political Action Together Political Committee
Ronald Rivest	41 Academy Street Arlington, MA 02476	\$200.00	May 4, 2011	Friends of Stephanie Singer



RSA: Rivest, Shamir, Adleman

Hmm, is that THE Ron Rivest?



FEDERAL ELECTION COMMISSION

[About the FEC](#) [Press Office](#) [Quick Answers](#) [Contact Us](#) [Site Map](#)

[HOME](#) / [DISCLOSURE PORTAL HOME](#) / [NATIONAL MAP](#) / [TRANSACTIONS](#)

2012 Presidential Campaign Finance

Current Search Criteria: Contributor's Name Begins with "RIVEST" for All Candidates

[Modify Search](#) [New Search](#)

Export Options: [XML](#) [CSV](#)

Prev **1** Next [Show All](#) | Total Result(s):4

Contributor Name (Contribution Description)	Employer/Occupation	City	State	Zip	Receipt Date	Amount	Candidate Name
RIVEST, ALEXANDER	MIT/POST-DOC	ARLINGTON	MA	02476	10/22/2012	\$250	Barack Obama
RIVEST, GAIL D.	NOT EMPLOYED/SCHOOL VOLUNTEER	ARLINGTON	MA	02476	10/23/2012	\$2,500	Barack Obama
RIVEST, RONALD L.	MIT/PROFESSOR	ARLINGTON	MA	02476	08/05/2012	\$2,500	Barack Obama
RIVEST, RONALD L.	MIT/PROFESSOR	ARLINGTON	MA	02476	11/01/2012	\$1,000	Barack Obama

Prev **1** Next Total Result(s):4

- Data Catalog
- Maps
- Presidential
 - House & Senate
 - House Independent Expenditures
 - Senate Independent Expenditures
- Charts
- Search
- Download

Why Include Address?

Laziness? Disambiguation?

- The donor files for 2010 were downloaded from OpenDataPhilly as .CSV files, imported into Microsoft Excel and sorted by the contributor name field.
- “Potential Duplicates” were defined as additional names that were shown identically as a name in the database, but with a different address.

Results from most common US names

Name	Number of Entries	“Dups”
Smith	588	8
Johnson	426	3
Williams	400	4

Conclusion: Having an address didn't do a lot of good in resolving possible duplicates, but may have compromised privacy.

Are those addresses home addresses?

- A significant number of contributors (86/588 of Smith, 63/426 of Johnson, 77/400 of Williams) listed the same address, 1719 Spring Garden Street, Philadelphia, PA., 19130.
- Viewing this location on Google Maps Streetview shows that it is the office of the I.B.E.W. Electricians Union.

Search for Smith in 2010 Political Contribution Records



phila.gov | records department

Document Search | [Logout public](#)

 [New Search](#)  [Modify Search](#)

 [Printable View](#)

You searched for: Year = 2010 and approximate search in ContributorID for Smith and =CFR - Schedule I - Part A - Contributions Received From Political Committees (\$50.01 - \$250.00), CFR - Schedule I - Part B - All Other Contributions (\$50.01 - \$250.00), CFR - Schedule I - Part C - Contributions Received From Political Committees (Over \$250.00), CFR - Schedule I - Part D - All Other Contributions (Over \$250.00), CFR - Schedule I - Part E - Other Receipts, CFR - Schedule II - Part F - In-Kind Contributions Received (Value of \$50.01 - \$250.00), CFR - Schedule II - Part G - In-Kind Contributions Received (Value Over \$250.00)

[Download Results as CSV](#)

Contribution By	Address	Amount	Date	Recipient
D. Smith	Two Liberty Place 1601 Chestnut St Philadelphia, PA 19192	\$6.83	May 13, 2010	CIGNA Corporation Political Action Committee
Joseph Smith	1719 Spring Garden Street Philadelphia, PA 19130	\$101.20	Nov 25, 2009	Local Union #98 IBEW COPE
D SMITH	1534 E 80TH ST LOS ANGELES, CA 90001-3404	\$40.00	Apr 22, 2010	Communication Workers of America
LETITIA SMITH	16368 KENSINGTON PLACE MORENO VALLEY, CA 92551-0000	\$10.00	Apr 26, 2010	Communication Workers of America
Mark Smith	Two Liberty Place 1601 Chestnut St Philadelphia, PA	\$5.00	Aug 19,	CIGNA Corporation Political Action Committee



Home

Who We Are

Why Union?

Education

Links

Contact Us

Departments

Guest Book

Site Map

Departments - Contact Us

To contact us via Email, please click [here](#).

IBEW Local 98 Business Office All Divisions

1701 Spring Garden Street
Philadelphia, PA 19130

Phone: 215-563-5592
Fax: 215-561-2168



Financial Office & Electrical Apprentice Training

1719 Spring Garden Street
Philadelphia, PA 19130

Financial Office
Phone: 215-563-8991
Fax: 215-563-9149

Apprentice Training
Phone: 215-567-6405
Fax: 215-567-6477



Problems

#8 Inconsistent data. Providing contributor's "address" is a legal requirement but some people use non-home, e.g. union office

#9 Policy issues. The "why" e.g. of requiring "address" needs to be re-examined in the light of new "hows" -- tools like mapping APIs, big data, jigsawing of public and private databases

Canada and transporter carriers that we'll be able to feed into.
edge of an exciting year in the sense that all of our old airplanes
(7-200) are gone, and we have the newest fleet in Canada—in fact
ca

This is an old (6 years ago) jigsawing experiment I did...
Some things have gotten better, many have gotten worse!

ee yourself
airman. I'll
/ fo
Clive Beddoe,
then-CEO of
WestJet
Airlines



WestJet's
live seatback TV?
I watch the hockey games
There's also a business sh
The Report on Business. Bu
there's a hockey game it's
certainly nice to be able to
watch the Flames playing
not a great TV watcher, b
any of the educational
programs, like the Discov
Channel, are always
interesting.

What is the key to WestJet's success?
It's our commitment to
people, and they, in tu
have a similar commit
to us. It's about aligni
the interests of our p
with the company, an
interests of the comp
aligning with those o
people. And in this v
created a tremendo
powerful customer
service culture.

recently
ns to
ctic.
ights on
into

d. No,
that sort

"It's certainly nice to be able to watch the Flames playing"

Search: "beddoe, AB" 6 Total Listings

[New search](#) | [Modify search](#)

BEDDOE, C 1 of 6
Calgary, AB T1X 1E1 [More information](#)
(403) 255-2686

[Check out C Beddoe with Web Detective!](#)
[Search School Yearbooks in Calgary AB](#)
[Find Romance in Calgary at Date.ca](#)

BEDDOE, CLIVE 2 of 6
1... Ave SW [More information](#)
Calgary, AB T2V 0R2
(403) 255-...

[Check out Clive Beddoe with Web Detective!](#)
[Search School Yearbooks in Calgary AB](#)
[Find Romance in Calgary at Date.ca](#)

BEDDOE, J 3 of 6
Calgary, AB T1X 1E1 [More information](#)
(403) 521-2260

[Check out J Beddoe with Web Detective!](#)
[Search School Yearbooks in Calgary AB](#)
[Find Romance in Calgary at Date.ca](#)

BEDDOE, K & S 4 of 6
Calgary, AB T1X 1E1 [More information](#)
(403) 212-2352

[Check out K & S Beddoe with Web Detective!](#)
[Search School Yearbooks in Calgary AB](#)
[Find Romance in Calgary at Date.ca](#)

BEDDOE, O 5 of 6

censored...phone number is still valid!

City of Calgary Property Tax Assessment Site in 2007



- Home
- City Business
- City Hall
- City Living
- City Transportation
- My Pages

City Hall > Business Units > Assessment

- Assessment
- Assessment
- About Assessment
- 2006 Assessment Values - Quick Facts
- Related Contacts
- Contact Us
- Property Assessment
- Business Assessment
- Understanding your Assessment Notice
- Market Value
- 2006 Assessment Values
- Community Comparisons & Profiles

Assessment Search

You may search all residential, multi-residential, and non-residential property types in The City of C

**SEARCH BY
MAP**

Works best using cable modem or (A)DSL and using Microsoft IE or Netscape versions 4 and up.

**SEARCH BY
ADDRESS**

Works best with Internet connection speed better and using Microsoft IE or Netscape up.

You must know the exact address of property. For condominium properties building address and a list of units w provided.

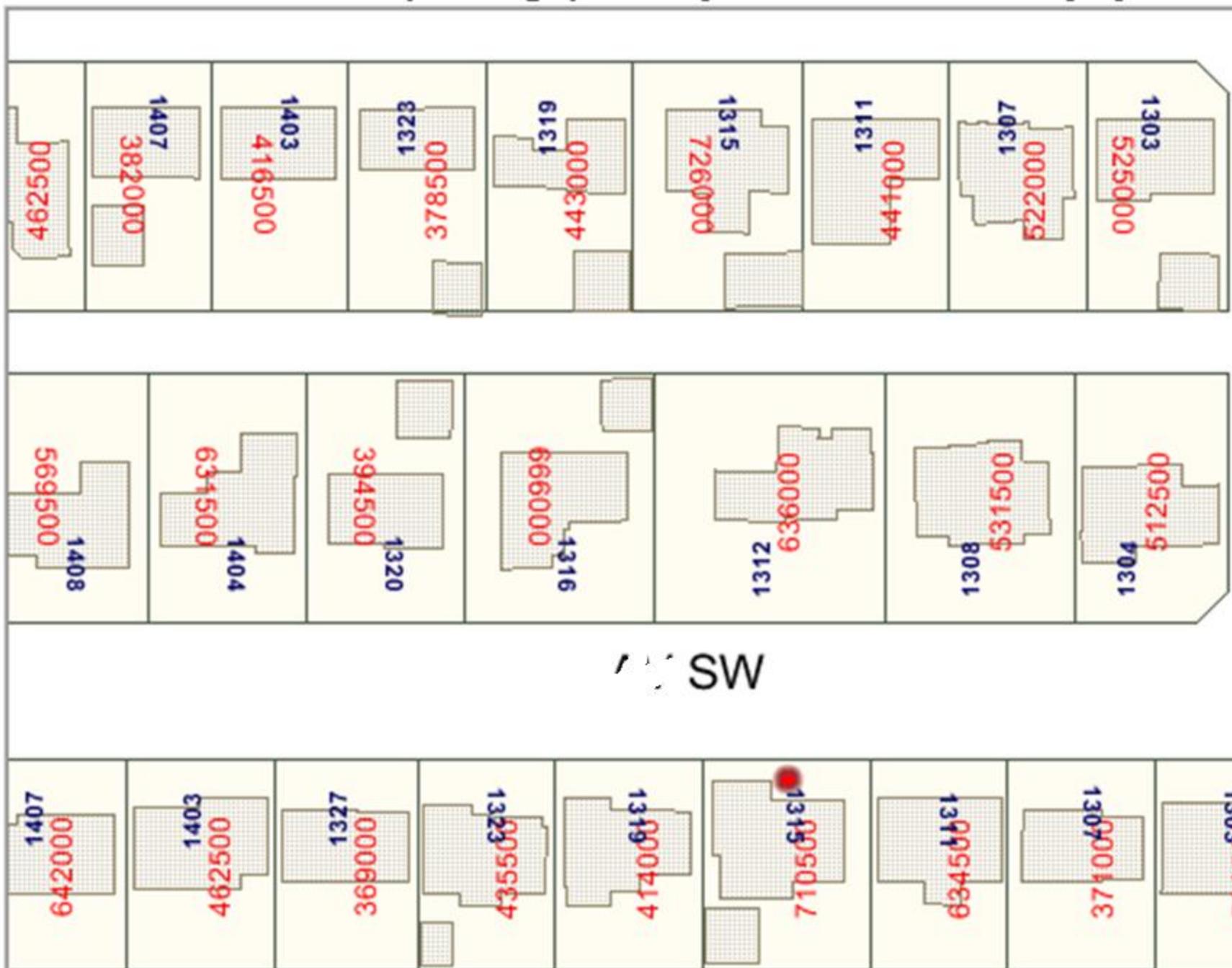
Assessment Information Last Updated: April 19, 2006



Print Neighbourhood Map

Your property assessment is based on The City of Calgary's estimate of the market value December 31, 2005.

Roll number:	111
Property Location:	11111 AV SW
Property Assessment:	710,500
Assessment Class:	Residential
Property Type:	Land and Improvement
Property Use:	Single Residential
Taxation Status:	Taxable
Community Name:	Kelvin Grove
Land Use Designation:	RESIDENTIAL SINGLE-DETACHED DISTRICT
Parcel Area:	8,095 sq. ft. / 752 sq. m.
Building Description:	House/2 Storey Garage
Approx. Living Area above grade:	3,260 sq. ft. / 303 sq. m.
Finished Area below grade:	Yes
Garage:	Yes
Fireplace(s):	Yes
Walkout Basement:	No



SW

LDY DR SW

Now “addressed” by a combination of data changes, technical and legal safeguards



THE CITY OF
CALGARY

Terms of Use



Follow us on



ACCEPTANCE OF TERMS Please review these Terms of Use carefully. If you access, use or purchase a product or service on a Web site or Web page ("Site") provided by The City of Calgary ("The City") you accept and agree to comply with the following Terms of Use. If you do not agree with these Terms of Use, you should immediately discontinue any use of this Site. These Terms of Use may change from time to time. You should visit this web page periodically to review the Terms of Use that govern your transactions and are binding on you.

LICENSE The City grants you a limited non-exclusive, non-transferable license to access and make personal use of the Site for non-commercial use, provided the Site is not modified or downloaded (other than page caching) unless expressly authorized by The City. You will be fully responsible for any consequences resulting from any use. **This license does not include any right for resale or commercial use of the Site or its content. No**

I Accept The Terms

I Do Not Accept The Terms

Don't get arrested in Florida

Hernando County Sheriff's Office

Sheriff Al Nienhuis

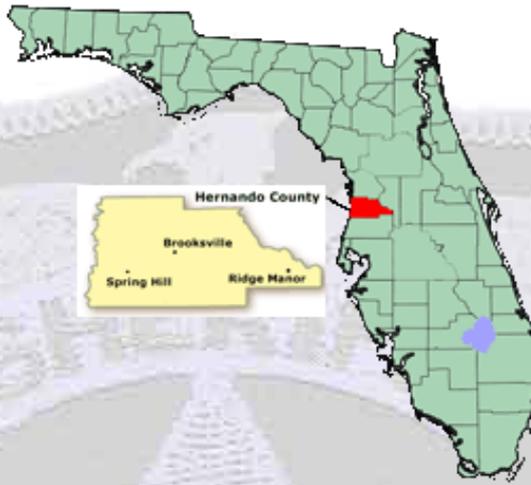


- HCSO Home
- Explore HCSO
- Hernando County Jail
- Emergency Management
- Traffic Information
- Alert Bulletins
- Crimestoppers
- Media Releases
- CASE Partnership
- Fraud Alerts
- General Information
- Public Records Search
- Crime Statistics
- Sexual Offender Info
- Job Line
- Alert Notification

About Hernando County Sheriff's Office

Hernando County is located on the West coast of Central Florida. The Sheriff's Office provides law enforcement services to a population of approximately 173,000. This is an increase of nearly 330% since 1980, and Hernando continues to be regarded as one of the fastest growing counties in the United States.

This decade will bring new challenges to our county, but the commitment of the Hernando County Sheriff's Office will not change. We will continue to provide our community with professional, efficient law enforcement through well-trained employees, technology, crime prevention and a proactive approach to public safety.



Highlights

- [Click here for Info on how you can purchase t-shirts from the Mecklenburg Memorial Motorcycle Ride](#)
- [Run for New Beginnings Youth Shelter 5K Run/Walk](#)
- [Click here for more information about the Sheriff's Office proposed BUDGET for 2012](#)
- [Public Notice - Edward Byrne Memorial Justice Assistance Grant](#)
- [HCSO Citizen Volunteer Corps](#)
- [Pictures from 2011 Law Enforcement Special Olympics Torch Run](#)
- [Hernando County Community](#)

Report#:	ArrestDate:	Name:	DOB:	Offense:	Arrest Location:	Latest Photo Available:
2009-04928/1	02/06/2009 11:44 PM	SIMMONS, CATHY L	02/19/1961	831.02 - UTTERING FORGED INSTRUMENT	6242 CALIFORNIA ST	
2009-04923/1	02/06/2009 11:05 PM	WILBUR, WILLIAM LEO III	01/26/1941	88.231 - CONTEMPT COURT/CHILD SUPPORT	16160 APPENNINE DR	
2009-04913/1	02/06/2009 09:41 PM	LEDE, JEANETTE MICHELE	10/01/1981	322.34 - DRIVER'S WITH LICENSE REVOKED OR SUSPENDED	16425 SPRING HILL DR	
2009-04912/1	02/06/2009 09:41 PM	LEDE, JEANETTE MICHELE	10/01/1981	948.06 - VIOLATION OF PROBATION	16425 SPRING HILL DR	
2009-04909/1	02/06/2009 08:55 PM	ASKEW, ROBERT JARMAN	10/31/1959	784.03 - DOMESTIC BATTERY	16096 MEDRICK RD	

What if this was Your Son?

- 01/08/2010 04:00PM
- COU***EY, BOBBY
- DOB 11/10/1997
- (age = 12 yrs. 2 mos)
- 810.02 - BURGLARY DWELLING
- 18900 CORTEZ BV



Problem # 11: What used to be acceptable as
“Public Information” needs to be viewed differently.

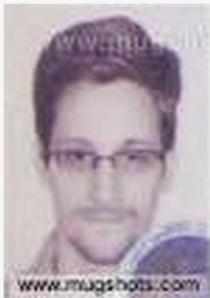
Mugshots.com

ABOUT

DISCLAIMER: ALL ARE PRESUMED INNOCENT UNTIL PROVEN GUILTY IN A COURT OF LAW. EVERY EFFORT IS MADE TO ENSURE THE ACCURACY OF INFORMATION POSTED ON THIS WEBSITE. HOWEVER, MUGSHOTS.COM DOES NOT GUARANTEE THE ACCURACY OR TIMELINESS OF THE CONTENT OF THIS WEBSITE. NAMES MAY BE SIMILAR OR IDENTICAL TO OTHER INDIVIDUALS. FOR LATEST CASE STATUS, CONTACT THE OFFICIAL LAW ENFORCEMENT AGENCY WHICH ORIGINALLY RELEASED THE DATA

Ex: John Smith

**UNPUBLISHING SERVICE FROM
THE MUGSHOTS.COM DATABASE
HOURS OF OPERATION: 7AM -11PM**



Edward Snowden



Aaron Swartz



Ashley Renee Duduk



Gloria Arroyo



James Holmes

Newest Vulnerability: Your Face!



try beta

about

demo

how

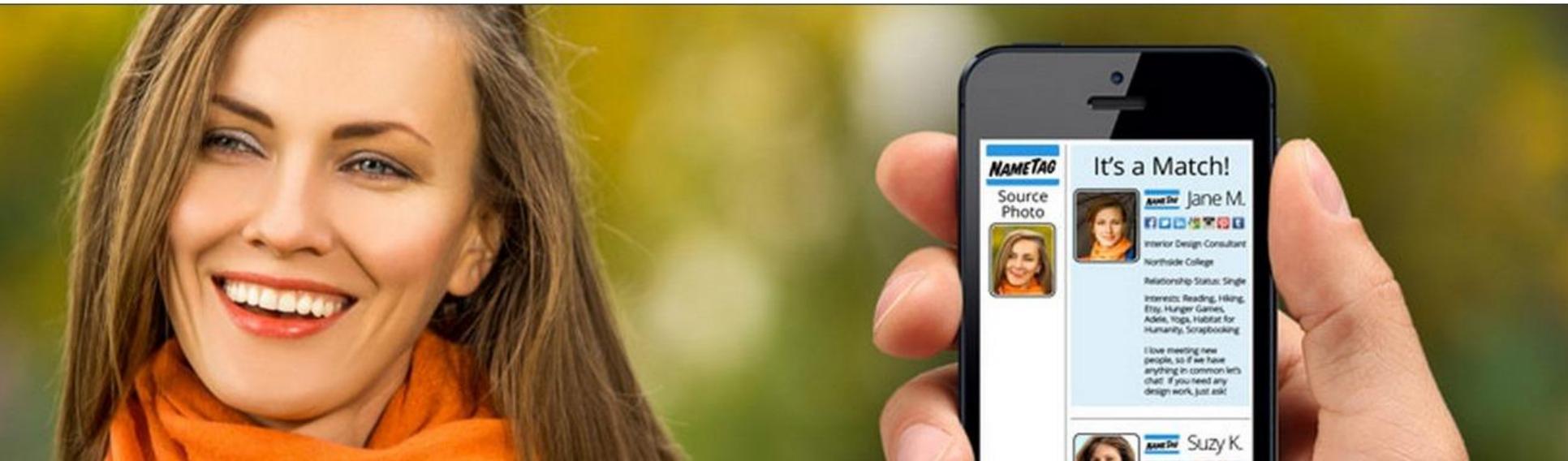
apps

profile

team

press kit

opt out



www.nametag.ws

Problem #12: Facial recognition has come of age

Data Journalism: Playing with Pistol Permits



Well, we could let it stop there — knowing this is a homeowner you shouldn't mess with.

But, let's face it, we have tools like Spokeo and Maltego. Even without paying a fee, Spokeo confirms the poor fellow's street, gives us his middle initial (E), his approximate age (early 50s) and the value of the property he's defending with that handgun (\$457K). In all probability he's also the same person who owns a post office box in the same zip code.

Portsmouth's Guildhall Walk among 'violent' streets

A new online crime map has revealed a street in Portsmouth had one of the highest amounts of violent crimes in England and Wales in December.

Thirty-eight offences were reported in Guildhall Square, while Glovers Court in Preston was highest with 44.

The www.police.uk website allows the public to search for crime and anti-social behaviour reported last month for their street or postcode.

Hampshire Police said they had targeted the area over the past few years.

The new crime map also revealed Surrey Street in Portsmouth saw a total of 136 crimes reported last month, with Glovers Court in Preston was top with 152.

'Complete farce'

Councillor Eleanor Scott, member for community safety at Portsmouth City Council, questioned the figures for the small street which is only home to a "respectable pub".

She said: "It's a tiny street, there's a few flats, a car park and a nice respectable pub where the postal workers from the nearby postal depot stop for a drink.

"If Portsmouth is anything to go by, this website is a complete farce, it's identifying wrong crime epicentres."

Police said the postcode of Surrey Street was used to record incidents of retail crime such as shoplifting from the adjacent commercial centre and violent crime from the bars and clubs of nearby Guildhall Walk.



Police said they have been targeting Guildhall Walk over the past few years

Related Stories

[Street-level crime maps launched](#)

[Arrests over bar toilet stabbing](#)

[Woman raped after bar night out](#)



All crime (220)

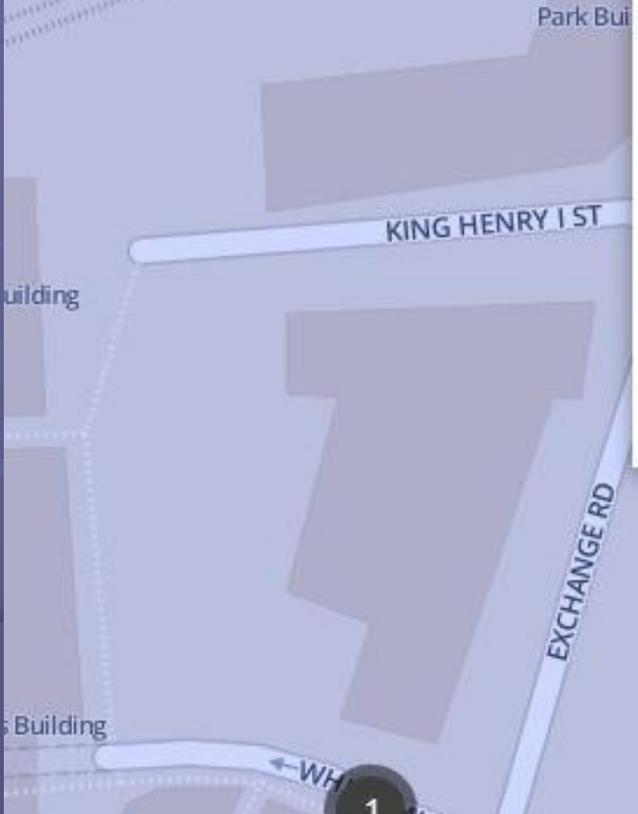
reported in January 2014

**Crime on or near
Nightclub**

24 crimes were reported here in
January 2014.

Anti-social behaviour	13
Bicycle theft	1
Burglary	1
Criminal damage and arson	1
8 more crimes	

[More details »](#)



City Wide Robbery

How Do Crime Rates Affect Your City?

[Home](#) [About](#) [Contact](#)

Crime Rate and Real Estate Values

admin / January 4, 2014

Crime rates and real estate values are strongly correlated. High crime areas tend to be less desirable areas and low crime areas tend to be more desirable. We've noticed that this trend applies for both residential and commercial real estate. Both types of property will be largely impacted by their location.

Our data shows that crime rates in the area can effect real estate values by up to 500%. From what we've seen, residential values are impacted more than commercial values. If you think about it, this makes sense. Middle to upper middle class people do not find high crime areas desirable. As a result, people are willing to pay significantly more for nice neighborhoods in good areas. On the other hand, a convenience store or auto parts store may do surprising well in high crime area. The demographics of typical high crime areas are a good fit for some stores. It's important to distinguis

Indirect Risks of Government Disclosure

- You can't get it back. Companies like ChoicePoint Systems (now part of Lexis/Nexis) are grabbing and storing it
- Databases are cross-referenced
- New technologies will emerge. Criminals are now being prosecuted for old crimes through DNA technology

Ancestry.com

- 14 years of operation
- 6,000,000,000 records, mostly from public sources
- 20,000,000 family trees

Family history is in your DNA

Get personalized details about your unique ethnic origins. Discover more about your story with advanced DNA science from the experts in family history.

Now \$99

Get AncestryDNA



Discover Your Ethnicity

Find out if you're part Irish, Native American, or maybe Cameroonian.

NEWLY UPDATED



Connect with new relatives

Imagine meeting a 3rd cousin for the 1st time.



Family history is in our DNA

Even more powerful when combined with Ancestry.com.



AncestryDNA is private and secure. [Learn more](#)

Questions? Call 1-800-ANCESTRY [hours](#) ▼

6. Can my DNA information ever be disclosed without my consent? — Generally no. But there are some very limited circumstances where your DNA test results could be disclosed to third parties without your express consent. For example:

- As may be required by law with regulatory and law enforcement authorities;
- To prevent fraud or cybercrime (i.e.) to protect the rights or property of AncestryDNA or other Users (including outside your country of residence).
- To enforce our terms and conditions; to protect our rights, privacy, safety, confidentiality, reputation or property, and/or that of Ancestry family of companies, you or others.
- For more information please see the [AncestryDNA Privacy Statement](#).

Implications of being in a genome database

E-mail this to a friend

Printable version

Adoptees use DNA to find surname

By Paul Rincon
Science reporter, BBC News

Male adoptees are using consumer DNA tests to predict the surnames carried by their biological fathers, the BBC has learned.

They are using the fact that men who share a surname sometimes have genetic likenesses too.

By searching DNA databases for other males with genetic markers matching their own, adoptees can check if these men also share a last name.

This can provide the likely surname of an adoptee's biological father.

The genetic similarities between men who share surnames occur on the Y chromosome, a package of genetic material passed on, more or less unchanged, from father to son - just like a last name.

Because of this pattern of inheritance, men with the same surname may also share a similar complement of genetic markers on the Y chromosome.



The tests read a number of genetic markers on the Y chromosome

Or try the mobile service



Problem #13: Beware of Time Travelling Robots from the Future

- “If it happened in the past 10 years, it might be online. If it happened in the past 5 years, it’s probably online. And if it happened in the past 2 years, it’s almost certainly online.” (Wild West 2.0)
- Data that used to be “public” but buried in a dusty courtroom basement is now instantly available, searchable, storable
- How will it be used, now and in the future?

FREE TO GOOD HOME



Beautiful 6 mo.
old male kitten -
orange &
caramel tabby,
playful, friendly,
very affectionate.
Ideal for family
w/kids.

↔
OR
↔

Handsome 32 yr.
old husband -
personable,
funny, good job,
but doesn't like
cats. Says he
goes or
cat goes.

**Call Jennifer - 265-5543 - come
see both & decide which you'd like.**

Thank you!

- Dr. Tom Keenan, FCIPS
- keenan@ucalgary.ca
- decreeping.wordpress.com
- orbooks.com/technocreep

