

The Promise and Power of Open Government Data



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How We Got Here



United States[™]
Census
Bureau

People | **Business** | **Geography** | **Data**

2011 American Community Survey Single Year Estimates

The Census Bureau released one-year estimates from the 2011 ACS. The ACS produces estimates for numerous social, economic and housing characteristics including language, education, the commute to work, employment, mortgage status and rent, as well as income, poverty and health insurance.

[See More](#)



< 1 2 3 4 5 6 7 >



How We Got Here



- Census Bureau.
- Google Transit ([GTFS](#)).
- District of Columbia (Apps for Democracy).
- Sunlight Labs (Apps for Democracy).
- NYC Big Apps / Apps for Metro Chicago.
- App contests vs. Civic Hackathon.
- External users driving adoption of open data policies.

Why is Open Data Important?



- Vivek Kundra: "Democratization of data."
- Government transparency.
- Data tools going mainstream.
- Strong external demand for data.
- Possible to build useful apps.
- Tool to drive innovation & spur economic growth.
- Future of government service delivery?

Open Data in Philly



Philadelphia Police Part One Crime Incidents

Crime Data from 2006 to the present

BASIC INFO

ALL INFO

Organization

City of Philadelphia

Division

Philadelphia Police Department,

Release Date

Dec. 12, 2012

Data Types

ArcGIS REST, CSV

Categories

Public Safety

Description

From the metadata: "The layer holds Part I crime for the City of Philadelphia beginning January 1, 2006. Part I crime includes, Homicides, Rapes, Robberies, Aggravated Assaults, Thefts. The data displayed is generalized by the crime type and the block location." The data is updated daily. Metadata is included in the zipfile.



Philly Examples

The screenshot shows the 'beta-phillytreemap' interface. At the top, there are filters for 'Filter by Location' (with a search bar containing '001') and 'Filter by Species' (with a search bar containing 'All trees'). Below the filters, a summary box displays 'Yearly Eco Impact' for 'Selected trees in the region' with '177,587 trees located'. A sidebar on the left lists various benefits: Total Benefits (\$30,219,706 saved), Greenhouse Gas Benefits (\$2,701,595 lbs CO2 reduced, \$276,643 saved), Water Benefits (396,539,362 gallons conserved, \$3,925,739 saved), Energy Benefits (17,487,605 kWh conserved, \$24,925,915 saved), and Air Quality Benefits (410,625 lbs pollutants reduced, \$1,091,407 saved). A map in the center shows a green-shaded area in Philadelphia with a 'View Satellite' button.

Baldwin (for SEPTA) 5:37 AM

Wilmington to Market East

- Departs at 6:03AM **On time**
Arrives at 7:07AM on the Wilmington/Newark Line
- Departs at 6:41AM **On time**
Newark Line
- Departs at 6:41AM **On time**
Newark Line

PHL CRIME MAPPER

This application allows you to draw an area and view the Part I (serious) crimes in that region over the last three years.

To begin, select a time period. Then, click the draw tool above to draw the area you are interested in.

2012-12-14 2013-01-12



Data Community



Open Data Impact



- Creates an environment where governments think about reusability of data.
- Government's starting to think strategically about data.
- Most creative uses of data often come from those who are not stewards of it.
- Architect data & infrastructure that houses it for reusability & mashups.

Internal vs. External



- Bezos Mandate - “be open or be fired.”
- All teams will henceforth expose their data and functionality through [web] service interfaces.
- All service interfaces, without exception, must be designed from the ground up to be **externalizable**. No exceptions.
- Open Data supports the “Reverse Bezos Mandate.”

The (Near Term) Future of Open Data



"Open data initiatives disrupt government's traditional role as 'holder' or 'owner' of the data.

In thinking about open data governance, we need to rethink government's role in relation to the entire set of new stakeholders.

One possibility is to characterize government, as well as all other stakeholders as stewards [of data]."

[*The Dynamics of Opening Government Data*](#)

Center for Technology in Government

The (Long Term) Future of Open Data



- Platforms like GitHub allow governments to not only publish data, but to encourage collaboration.
- GitHub forking allows anyone to use government data as part of another project / mashup.
- Git branching allows anyone to work on changes / enhancements that can be merged into master.
- Move from data steward to data collaborator.



City of Philadelphia

CityOfPhiladelphia

Philadelphia, Pennsylvania
<http://phila.gov>
Joined on Oct 24, 2012


23 public repos **5** members

Repositories Members

Find a repository...


Search

All Sources Forks Mirrors

 **cityofphiladelphia.github.io** ★ 0 🍴 0

Website to share the City of Philadelphia's open source projects and open data

Last updated 2 days ago

 **avi** JavaScript ★ 3 🍴 1

You can use this application to estimate your real estate tax under the Actual Value Initiative (AVI).

Last updated 5 days ago

 **myphillyrising** JavaScript ★ 1 🍴 2


A mobile web app for the City of Philadelphia's PhillyRising Collaborative.

Last updated 15 days ago

 **phi-polling-loctions** ★ 0 🍴 0


City of Philadelphia Polling Locations

Last updated 15 days ago

 **flu-shot-spec** Ruby ★ 5 🍴 4

Proposed Data Specification for Flu Shot Locations

Last updated 15 days ago

 **phi-airport-data** CSS ★ 3 🍴 2

A REST and WebSocket API for PHL Flight Information Data

Last updated 19 days ago



PUBLIC



CityOfPhiladelphia / **phi-open-geodata**



Providing geospatial data in alternate formats

🕒 22 commits

🌿 1 branch

📦 0 releases

👤 3 contributors



🌿 branch: **master** ▾

phi-open-geodata / 📁

Renaming shapefile folder



davewalk authored 2 months ago

latest commit 49fe6c896b 📄

📁 bicycle_thefts	Adding bicycle thefts in four data formats	2 months ago
📁 city_buildings	Renaming shapefile folder	2 months ago
📁 farmers_markets	Added School Facilities	4 months ago
📁 police_districts	Adding police districts data	5 months ago
📁 school_facilities	Added School Facilities	4 months ago
📁 street_centerline	strip properties	5 months ago
📄 .gitignore	Adding police districts data	5 months ago
📄 LICENSE.md	Added license and updated readme	5 months ago
📄 README.md	Added notes to README	5 months ago
📄 bicycle-thefts.geojson	Renaming shapefile folder	2 months ago

GitHub for Procurement



PhillyCDO opened this issue a month ago

Edit

Company information

No one is assigned

No milestone

Are you submitting this proposal on behalf of a company? If so, can you provide some additional details?

Name and contact information would be great. Thanks!

2 participants

Closed

2 comments

Labels

question



PhillyCDO opened this issue a month ago

Edit

Cost and Time Estimates

No one is assigned

No milestone

I don't see any cost or time estimates in the proposal, unless I missed them.

Can you add these details either in a revised document or a supplemental doc? Thanks!

2 participants

Closed

0 comments

Labels

bug

<http://civic.io/2013/03/27/experiments-in-github-based-procurement/>

Conclusion / Questions



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