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

- **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**

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**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.

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**Baldwin (for SEPTA)**

5:37 AM

Wilmington to Market East

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

- Departs at 6:41AM
  - On time

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**Yearly Eco Impact**

- 177,587 trees located (reset search)
  - Total Benefits: $30,219,706
  - Total Benefits: $2,701,595
  - Greenhouse Gas Benefits: $276,643
  - Infrastructure Benefits: $395,336
  - Water Benefits: $3,925,739
  - Energy Benefits: $17,487,605
  - Air Quality Benefits: $410,625
  - Total Benefits: $1,091,407

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**phillytreemap**

Filter by Location: List, Address, City, State
Filter by Species: List, All trees
Advanced Filters

- Add a Tree!
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.
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.”
"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

City of Philadelphia

- cityofphiladelphia.github.io
  Website to share the City of Philadelphia's open source projects and open data
  Last updated 2 days ago

- avi
  You can use this application to estimate your real estate tax under the Actual Value Initiative (AVI).
  Last updated 5 days ago

- myphillying
  A mobile web app for the City of Philadelphia's PhillyRising Collaborative.
  Last updated 15 days ago

- phil-polling-locations
  City of Philadelphia Polling Locations
  Last updated 15 days ago

- flu-shot-spec
  Proposed Data Specification for Flu Shot Locations
  Last updated 15 days ago

- phil-airport-data
  A REST and WebSocket API for PHL Flight Information Data
  Last updated 19 days ago
Providing geospatial data in alternate formats

<table>
<thead>
<tr>
<th>Folder</th>
<th>Description</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>bicycle_thefts</td>
<td>Adding bicycle thefts in four data formats</td>
<td>2 months ago</td>
</tr>
<tr>
<td>city_buildings</td>
<td>Renaming shapefile folder</td>
<td>2 months ago</td>
</tr>
<tr>
<td>farmers_markets</td>
<td>Added School Facilities</td>
<td>4 months ago</td>
</tr>
<tr>
<td>police_districts</td>
<td>Adding police districts data</td>
<td>5 months ago</td>
</tr>
<tr>
<td>school_facilities</td>
<td>Added School Facilities</td>
<td>4 months ago</td>
</tr>
<tr>
<td>street_centerline</td>
<td>strip properties</td>
<td>5 months ago</td>
</tr>
<tr>
<td>.gitignore</td>
<td>Adding police districts data</td>
<td>5 months ago</td>
</tr>
<tr>
<td>LICENSE.md</td>
<td>Added license and updated readme</td>
<td>5 months ago</td>
</tr>
<tr>
<td>README.md</td>
<td>Added notes to README</td>
<td>5 months ago</td>
</tr>
<tr>
<td>bicycle-thefts.geojson</td>
<td>Renaming shapefile folder</td>
<td>2 months ago</td>
</tr>
</tbody>
</table>
GitHub for Procurement

http://civic.io/2013/03/27/experiments-in-github-based-procurement/
Conclusion / Questions