What is Open Data & Open Source?

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Open Data: Executive Order’s and Memorandums

- **Executive Order 13642** – 5/9/13 – Making Open and Machine Readable the New Default for Government Information
- **M–13–13** Open Data Policy-Managing Information as an Asset

“Open data means taking data that is sitting in the vaults of the government, that the tax payers have already payed for, and jujustu-ing into the public domain as machine-readable fuel for entrepreneurship and innovation.”

Todd Park, U.S. Chief Technology Officer
Open Data Metadata

- Data Set Discovery/Descriptive Information
  - Title, Description, Quality, Sensitivity/Access Level, Value, System of Record #, Detail Metadata Schema

- Detail/Variable Level
  - Defined by local or International standards? (Geo-JSON, JSON-stat, SDMX, XBRL, DDI, etc...)

- Dissemination/Format
  - Indents, decimal places, fonts, order of magnitude, etc.
Open Data Publishing

- **Enterprise Data Inventory (EDI)**
  - All Data Sets, Governance/Metadata through the Data Management System (DMS), and Data stays in Silos

- **Public Data List (PDL)**
  - All Published Data Sets, Discovery/Descriptive Metadata Published through data.gov, and Data through Bureau APIs

- **Information Asset Inventory (IAI)**
  - Unstructured, Informational, Content Management of ‘ALL’ Assets, Adobe Experience Manager or SharePoint
Open Data at Census

- PCO/Open Government, Policy, and Data Stewardship
- ITD/CTO - Enterprise Data Strategy & Data Model
- ITD/ADSD - Data Management System
- CEDCaP & CEDSCI
- ADRM - Data Web & Application Programming Interface (API)
- CNMP - Digital Strategy, Customer Experience
Open Data Government Wide

- EOP/Office of Science and Technology Policy
- GSA/Office of Citizen Services and Innovative Technologies (Digital Services Innovation Center & 18F) (FedRAMP, and Data.gov)
- EOP/OMB (E-Government Office, and Office of Scientific and Statistical Policy)
- ICSP/SCOPE (Metadata and Privacy Sub-T eams)
- National Archives and Records Administration
Digital Strategy

APIs provide new methods of data access and dissemination

Web Applications API enabled

Mobile Applications

About Easy Stats

Easy Stats gives you quick and easy access to selected statistics collected by the U.S. Census Bureau through the American Community Survey. With the American Community Survey, detailed demographic and economic statistics are available every year for the nation’s communities and their people.

This interactive tool provides the latest statistics about where you live. You can search different geographies including states, counties, incorporated places (towns/cities), census designated places (CDP) and even your congressional district. With EasyStats, you can view detailed racial, age and sex breakdowns and much more.

Powered by The American Community Survey and Census API

Advanced Search

United States Census Bureau
U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
Census.gov
Open Source: Laws and Memorandums

- **OMB Memorandum M-04-08**, Maximizing Use of SmartBuy and Avoiding Duplication of Agency Activities with the President’s 24 E-Gov Initiatives (February 25, 2004)
- **OMB Memorandum M-04-16**, Software Acquisition (July 1, 2004)
- **Federal Information Technology Acquisition Reform Act (FITARA)**, Required that each agency have a software asset and management plan.
The Open Source Definition

- Free Redistribution
- Source Code
- Derived Works
- Integrity of the Author’s Source Code
- No Discrimination Against Person or Groups
The Open Source Definition

- No Discrimination Against Fields of Endeavor
- Distribution of License
- License Must Not Be Specific to a Product
- License Must Not Restrict Other Software
- License Must Be Technology-Neutral
Open Source Actions

➢ Procuring
  • Acquiring for use: Plug-Ins, Additional Modules, Applications (R), Languages (Python), Libraries, Operating Systems (Linux), Researcher’s Utilities.

➢ Developing
  • Writing for use: Collaboration in the wild, Git-Hub

➢ Publishing
  • Writing for others to use: CitySDK
Open Source Risks

- **Procuring**
  - License, Patches, Upgrades, Security, Documentation, Help Desk, Training

- **Developing**

- **Publishing**
  - License, Patches, Upgrades, Security, Documentation, Help Desk, Training
Open Source at Census

- PCO/Open Government, Policy
- ITD/OIS
- ITD/CTO - Engineering Office - Coding Best Practices
- ITD/ADSD - Open Initiatives, Web Applications
- CEDCaP & CEDSCI
- CNMP - Digital Strategy, Customer Experience
Open Source Government Wide

- EOP/Office of Science and Technology Policy
- GSA/Office of Citizen Services and Innovative Technologies (Digital Services Innovation Center & 18F) (FedRAMP & Data.gov)
- EOP/OMB (E-Government Office, Office of Scientific and Statistical Policy, and Office of Federal Procurement Policy)
- ICSP/SCOPE (Cybersecurity and Metadata Sub-Teams)
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Questions?