

Data, Technology, and Innovation in Government

Seminar 1: Introduction to Open Data

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Introduction

- White House, FCC (government)
- Insight Venture Partners, Lehman Brothers, Polaris (technology VC)
- Cambridge Strategic Mgmt Group (consulting)
- Harvard College, Chicago MBA

Seminar Background

- **Data, tech, and innovation** are key in politics, policy development, government ops/service delivery, and international relations.
- Focus on Obama Administration, but relevant to local/state and other countries.
- Goals:
 - Expose you to real projects, policy, and people
 - Raise your Tech IQ
 - Get credits toward your GSD degree

Seminar Topics

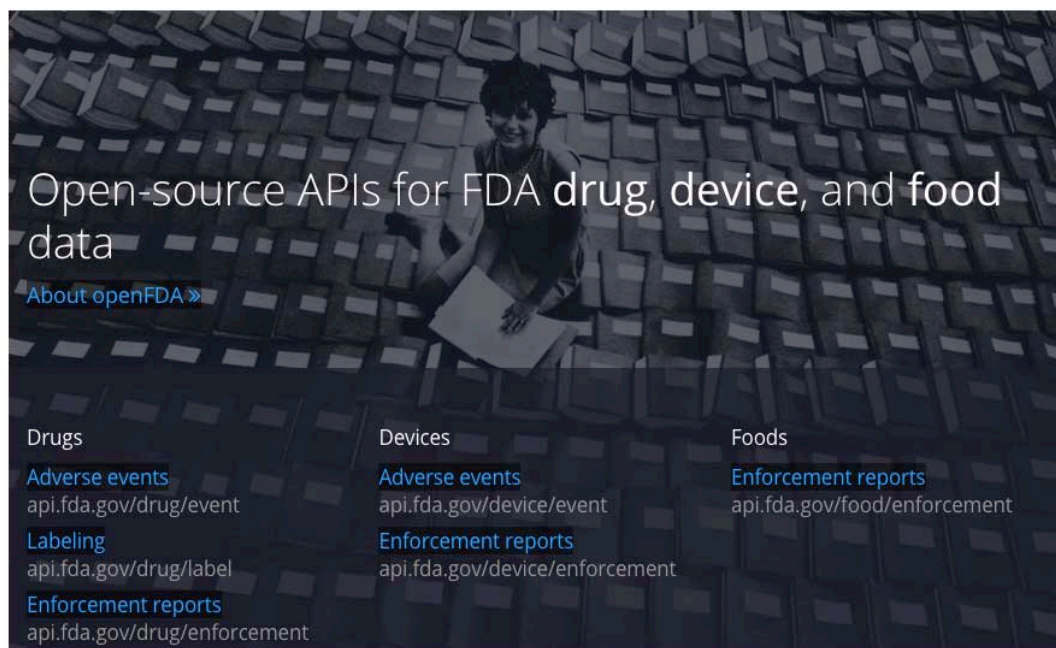
- Introduction to Open Data
- Government Digital Services
- Privacy and Personal Data Portability
- Marketing U.S. Data: Data Jams, Datapaloozas, Hackathons, Prizes, & CDOs
- Government Spending Transparency
- Smart Cities / Internet of Things
- Data Journalism
- Freedom of Information Act
- Healthcare.gov: A Case Study
- Regulatory Modernization

Why Open Data

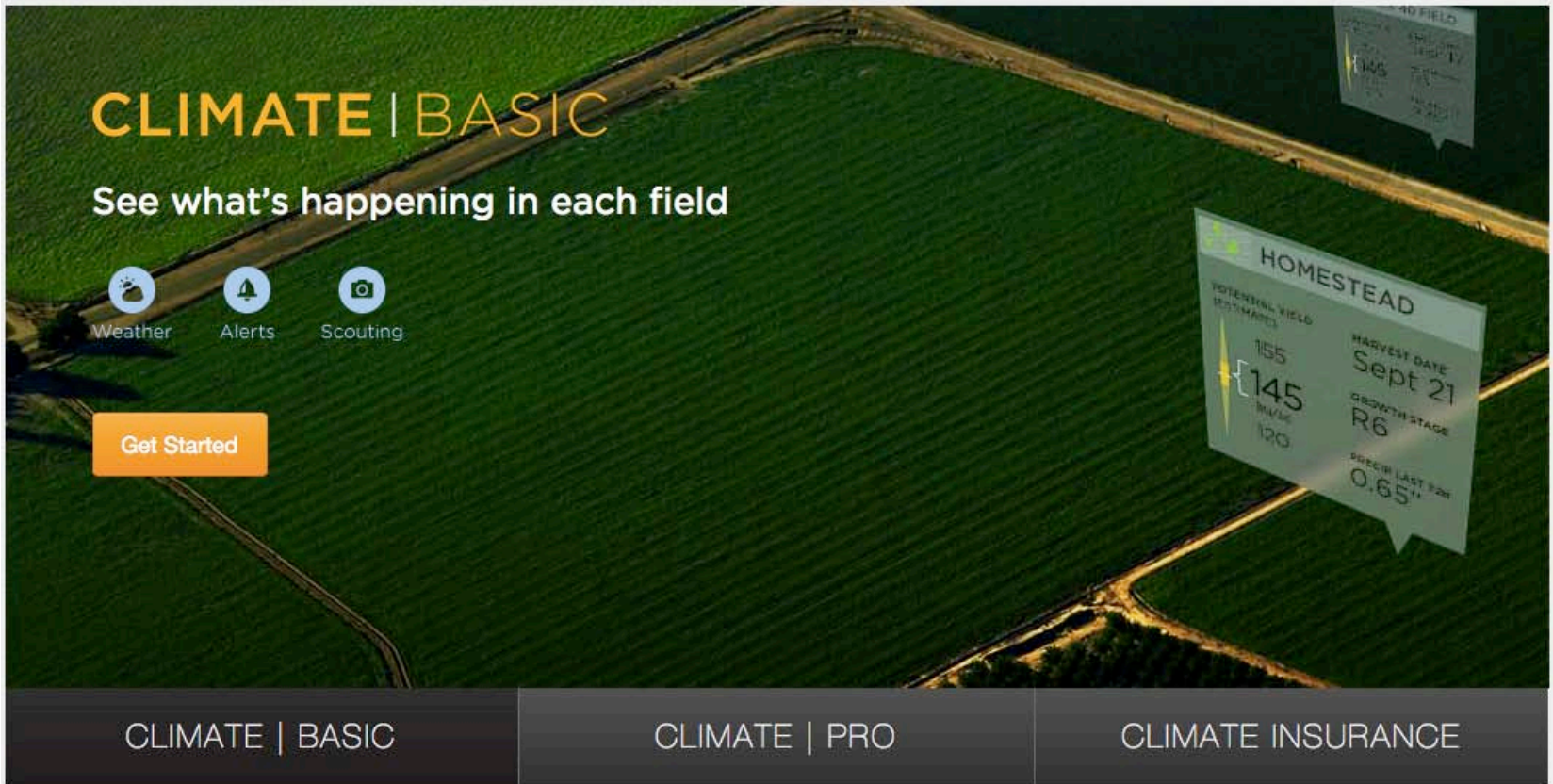
- Data is a valuable national resource and a strategic asset to the U.S. Government, its partners, and the public.
- Managing this data as an asset and making it available, discoverable, and usable – in a word, open – not only **strengthens our democracy** and **promotes efficiency and effectiveness in government**, but also has the potential to **create economic opportunity and improve citizens' quality of life.**

Breadth of Opportunity

- Statistics
- Research & Development
- Administrative
- Procurement
- Grants
- Regulatory
- Digital Services
- Industries / domains:
 - Health
 - Energy
 - Education
 - Climate
 - Geospatial
 - Public Safety
 - Global Development



Private Sector Innovation



CLIMATE | BASIC

See what's happening in each field

- Weather
- Alerts
- Scouting

Get Started

HOMESTEAD

POTENTIAL YIELD (ESTIMATE)
155
+145
120

HARVEST DATE
Sept 21

GROWTH STAGE
R6

MOISTURE LAST 5cm
0.65"

CLIMATE | BASIC CLIMATE | PRO CLIMATE INSURANCE

Presidential Leadership



President Barack Obama watches CEO Matt Wensing demonstrate Stormpulse during a tour of Capital Factory in Austin, Texas, May 9, 2013. Capital Factory founder Josh Baer and Todd Park, U.S. Chief Technology Officer, watch at right. (Official White House Photo by Chuck Kennedy)

“And today I’m announcing that we’re making even more government data available, and we’re making it easier for people to find and to use. And that’s going to help launch more start-ups. It’s going to help launch more businesses...It’s going to help more entrepreneurs come up with products and services that we haven’t even imagined yet. This kind of innovation and ingenuity has the potential to transform the way we do almost everything.”

- President Obama, May 9, 2013

Policy

- Open Government Directive
- Executive Order 13642
- G8 Open Data Charter
- U.S. Open Data Action Plan
- Cross Agency Priority Goal
- U.S. Digital Services Playbook
(Play #13, Default to Open)
- Proposed FY16 Budget
- Agency Policy (e.g. USAID)

U.S. Digital Services Playbook

The American people expect to interact with government through digital channels such as websites, email, and mobile applications. By building better digital services that meet the needs of the people that use our services, we can make the delivery of our policy and programs more effective.

Today, too many of our digital services projects do not work well, are

PLAY 13

Default to open

When we collaborate in the open and publish our data publicly we can improve Government together. By building services more openly and publishing open data, we simplify the public's access to government services and information, allow the public to easily provide fixes and contributions, and enable reuse by entrepreneurs, nonprofits, other agencies, and the public.

success rate of these
each. We created a playbook
ices from the private sector
o government build

Government Initiatives

- Data.gov
- Project Open Data
- USASpending.gov
- Agency initiatives
 - CMS, FDA, FEMA



Project Open Data



People

- Presidential Innovation Fellows
- Chief Data Officers, CTOs, CIOs
- US Digital Service, 18F
- Data stewards
- Senior leadership

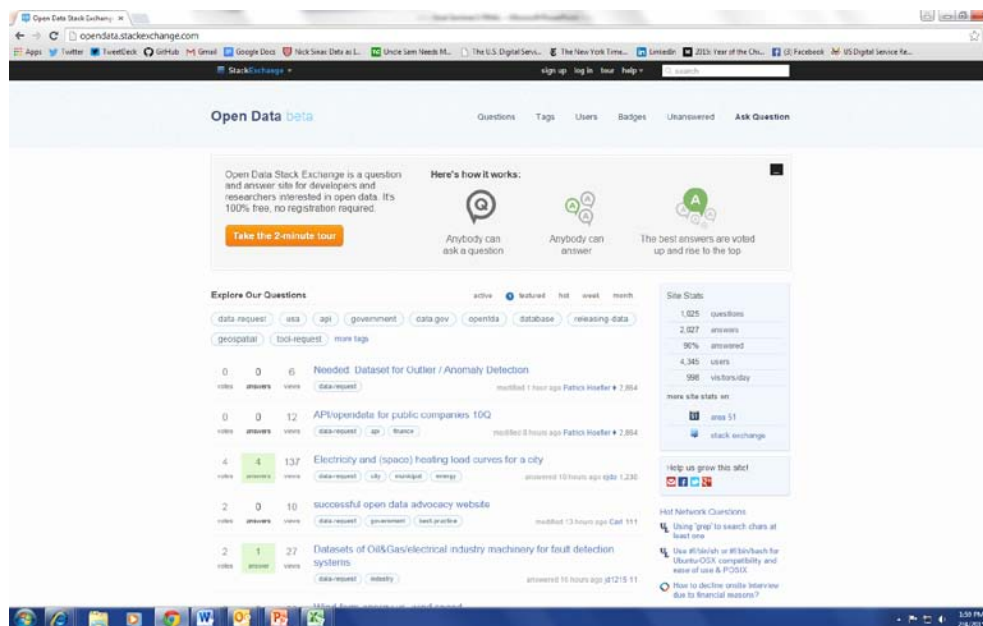
Discussion

- Innovation vs transparency
- Breadth vs depth
- Metrics
- Privacy

Homework

- Ask (or answer) a question about open data on stack exchange:

<http://opendata.stackexchange.com/>



Further Reading

- Sunlight Foundation, “Open Data Policy Guidelines”
 - <http://sunlightfoundation.com/opendataguidelines/>
- U.S. Department of Commerce, “Fostering Innovation, Creating Jobs, Driving Better Decisions: The Value of Government Data”
 - <http://www.esa.doc.gov/reports/fostering-innovation-creating-jobs-driving-better-decisions-value-government-data>
- McKinsey Global Institute, “Open Data: Unlocking innovation and performance with liquid information”
 - http://www.mckinsey.com/insights/business_technology/open_data_unlocking_innovation_and_performance_with_liquid_information
- Open Data 500
 - <http://opendata500.com/>