



CUSTOMER SERVICE. ACCOUNTABILITY. EFFICIENCY. SECURITY.

# Interagency Data Team

## March 7, 2018



INTERAGENCY DATA TEAM  
COORDINATE, ANALYZE, SHARE  
[data.dc.gov](http://data.dc.gov)





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## AGENDA

- ***Welcome, News & Updates***  
Barney Krucoff, Interim CTO, OCTO
- ***Using Data as a Strategic Asset***  
Amber Ivey, Senior Associate, Pew Charitable Trust
- ***Public Publications of Enterprise Data Inventory***
- ***Chief Data Officer's Annual Report to Mayor Bowser***



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# WELCOME AND RUN THROUGH AGENDA

Barney Krucoff  
Interim Chief Technology Officer  
Office of the Chief Technology Officer



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# DATA REPORT

Mario Field

Data Curation Program Manager  
Office of the Chief Technology Officer



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# DATA REPORT – SINCE JANUARY 2018

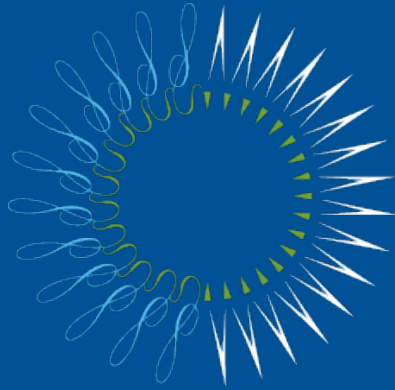
## NEW & UPDATES

- *Food Commercial Kit*
- *Food Waste Drop Off*
- Impervious Surface 2017
- Liquor License
- *Hunger Heat Map*
- Bus Line
- Bus Stop
- Camera Enforcement
- District Property
- Community Garden
- *Community Supported Agriculture*
- *District Development (WDCEP)*
- *Emergency Food Provider*
- *Group Meal Center*
- *Healthy Corner Store*
- *Joyful Market*
- *Low Food Access Area*
- Notary Public
- Office Aging Lead Agency Site
- Other Bus Line
- Planimetric Redaction Area
- *School Garden*
- Transportation Analysis Zone
- *Urban Agriculture*
- *Women Infant Child (WIC) Store*
- Ward

# DATA REPORT – NEXT BATCH

- Enterprise Data Inventory
- Agency List - Statutory
- Books and Barbershops
- Census Tract - 1930
- DPW Tonnage Recycling/Trash
- Juvenile Arrest
- Parking Meter
- Shot Spotter
- Stop and Frisk





THE  
**PEW**  
CHARITABLE TRUSTS

# Using Data as a Strategic Asset

Interagency Data Team

March 7, 2018

**Amber Ivey**

Senior Associate, Data as a Strategic Asset

[aivey@pewtrusts.org](mailto:aivey@pewtrusts.org)



## Pew Charitable Trusts

*The Pew Charitable Trusts is driven by the power of knowledge to solve today's most challenging problems.*

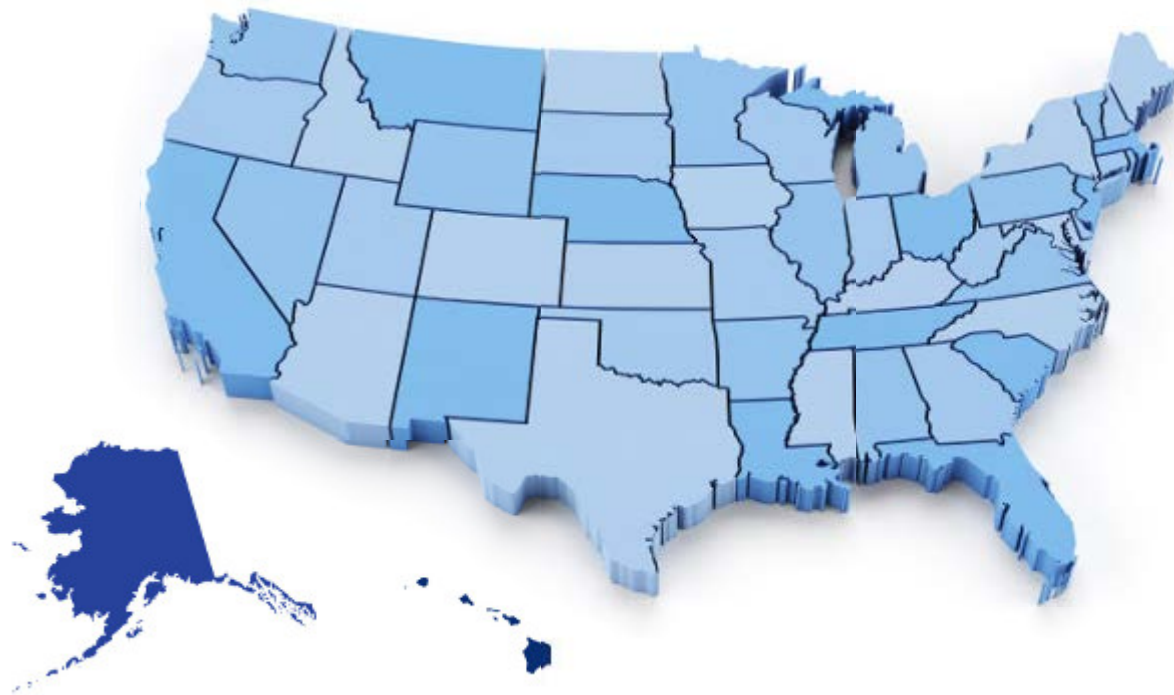
*Pew applies a rigorous, analytical approach to improve public policy, inform the public and invigorate civic life.*





## Data as a Strategic Asset (DASA)

Initiative to increase knowledge of how data is being utilized in all 50 states and the District of Columbia.





# How States Use Data to Inform Decisions

A national review of the use of administrative data to improve state decision-making

*“Data’s an untapped resource,  
like having a bunch of oil or gold  
in your land.”*

– Robert Manuel, Louisiana’s chief data officer, in a May 2016 Pew interview



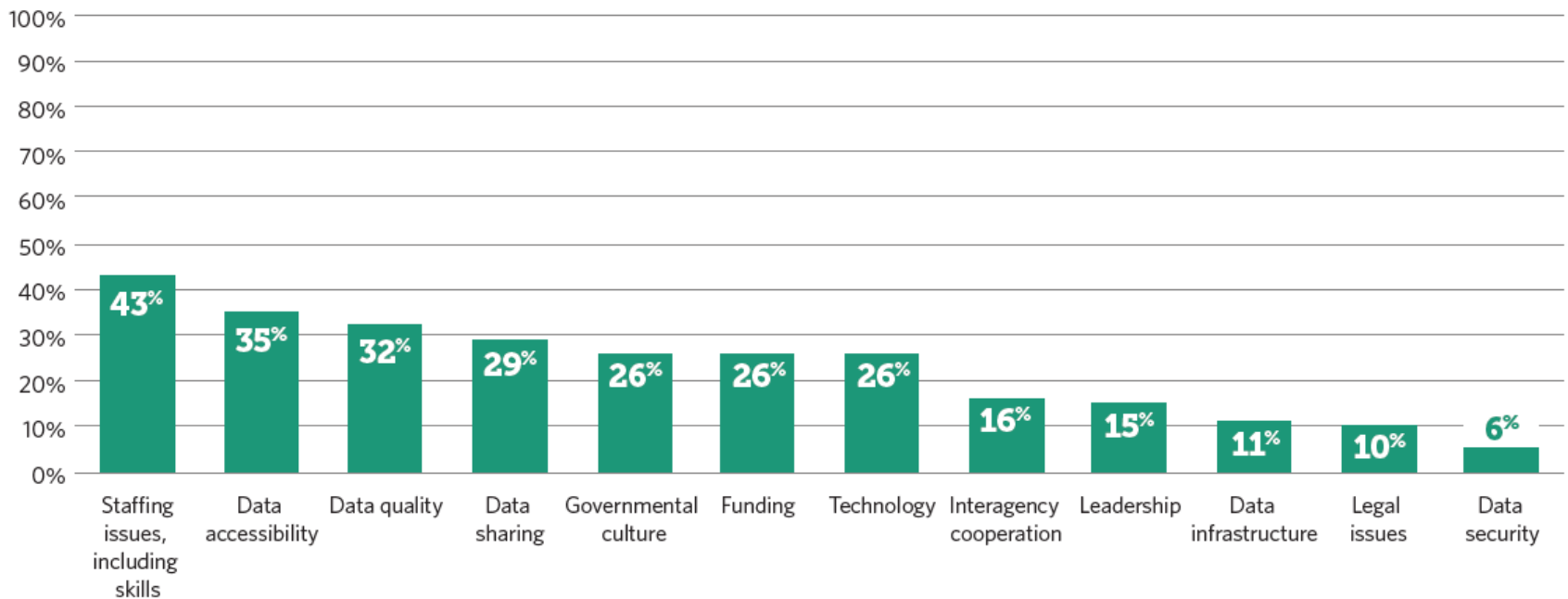
## 4 strategic ways states use data for decision-making



- Craft policy responses to complex problems
- Improve service delivery
- Manage existing resources
- Examine policy and program effectiveness

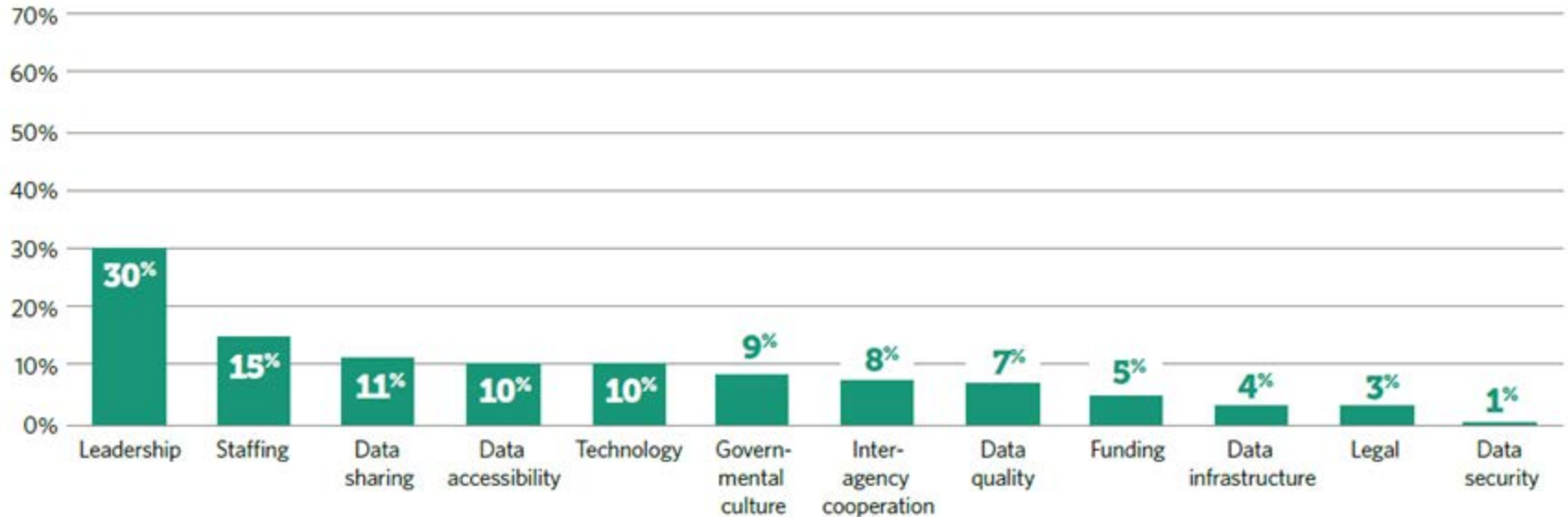
## Factors Posing Challenges to State Data Work

State officials cite staffing issues as the greatest obstacle



## Supporting Factors in State Data Work

State officials cite leadership as the greatest support to analyzing data for decision-making



# 5 key actions to promote data-driven decision-making



**Plan**



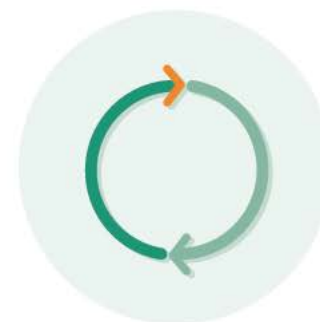
**Build Capacity**



**Share**



**Analyze**



**Sustain**



# Plan

Plan ahead by setting up guiding goals and structures



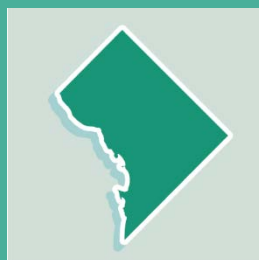
- Data strategy
- Develop data governance
- Take stock of systems





# Build Capacity

Build the capacity of stakeholders to effectively use data



- Hire skilled staff
- Leverage partnerships
- Dedicate funding



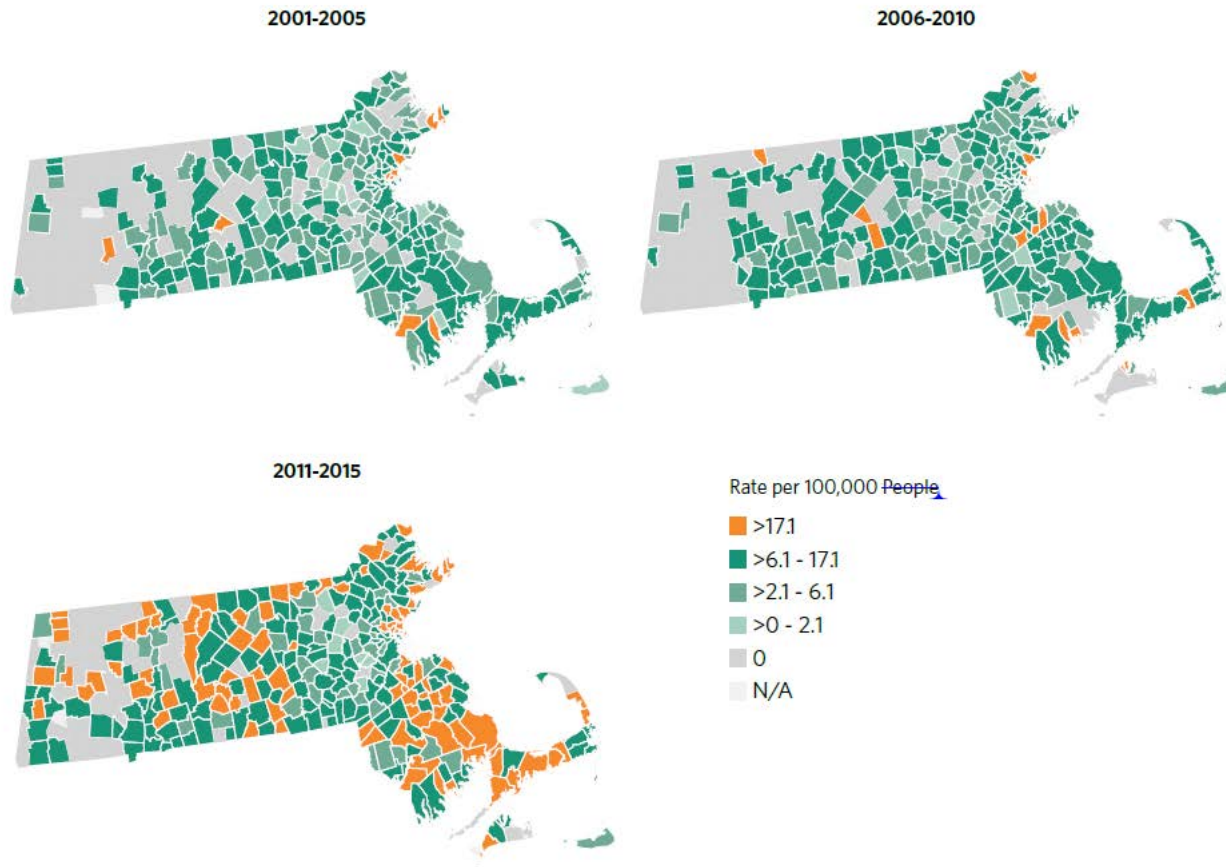
# Share

Ensure that quality data can be accessed and used by stakeholders



- Improve data quality and access
- Develop enterprise view of data
- Establish data sharing agreements

## Average Annual Opioid-Related Death Rate in Massachusetts Per 100,000 residents



Sources: Massachusetts Registry of Vital Records and Statistics, Massachusetts Department of Public Health



# Analyze

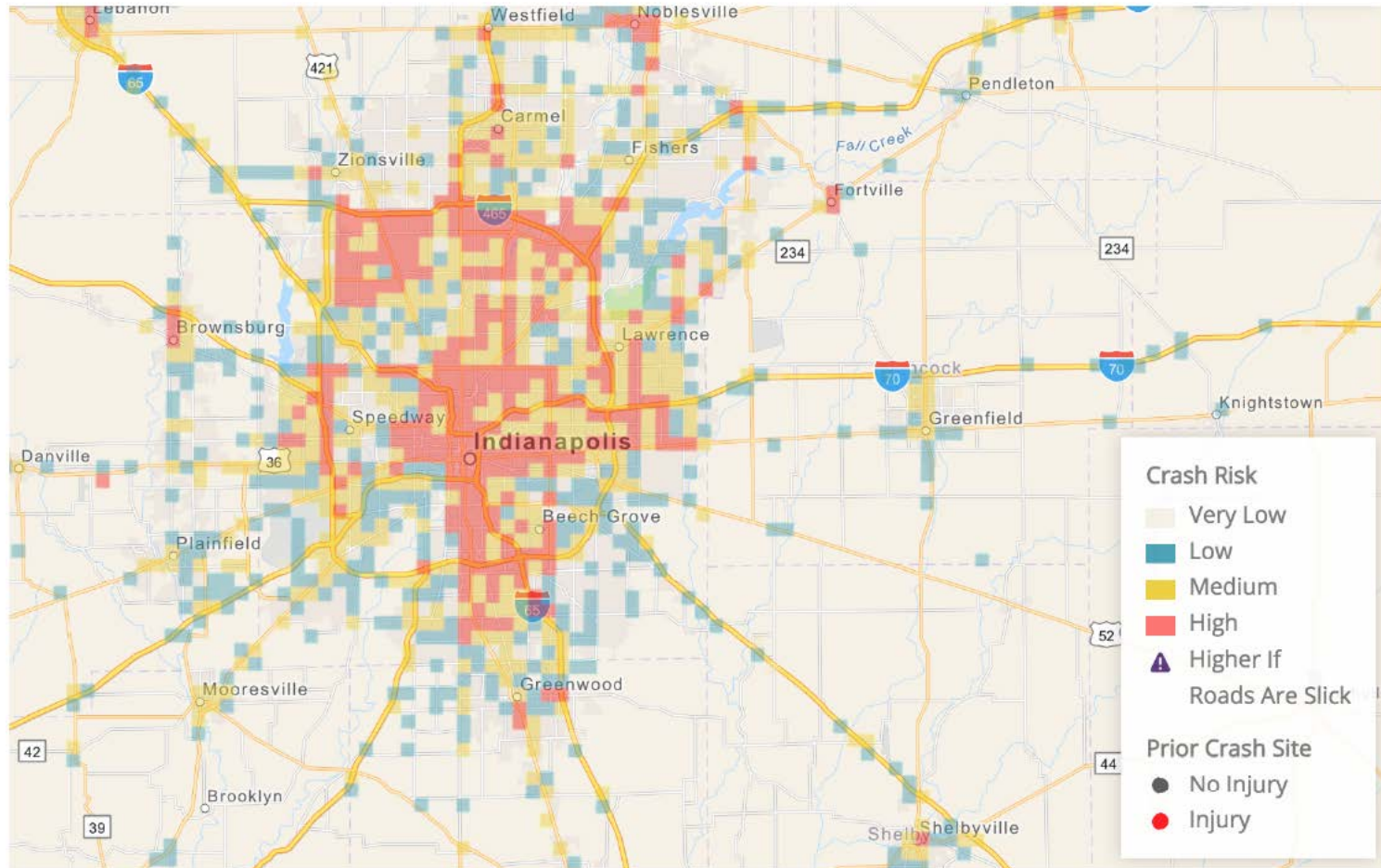
Analyze data to create meaningful information



- Analyze data to extract information
- Visualize data
- Use findings to make decisions

## Indiana Crash Risk Map

Interactive platform predicts automobile crash risks on roads



Source: Indiana State Police, "Daily Crash Prediction Map," <https://in.gov/isp/3268.htm>

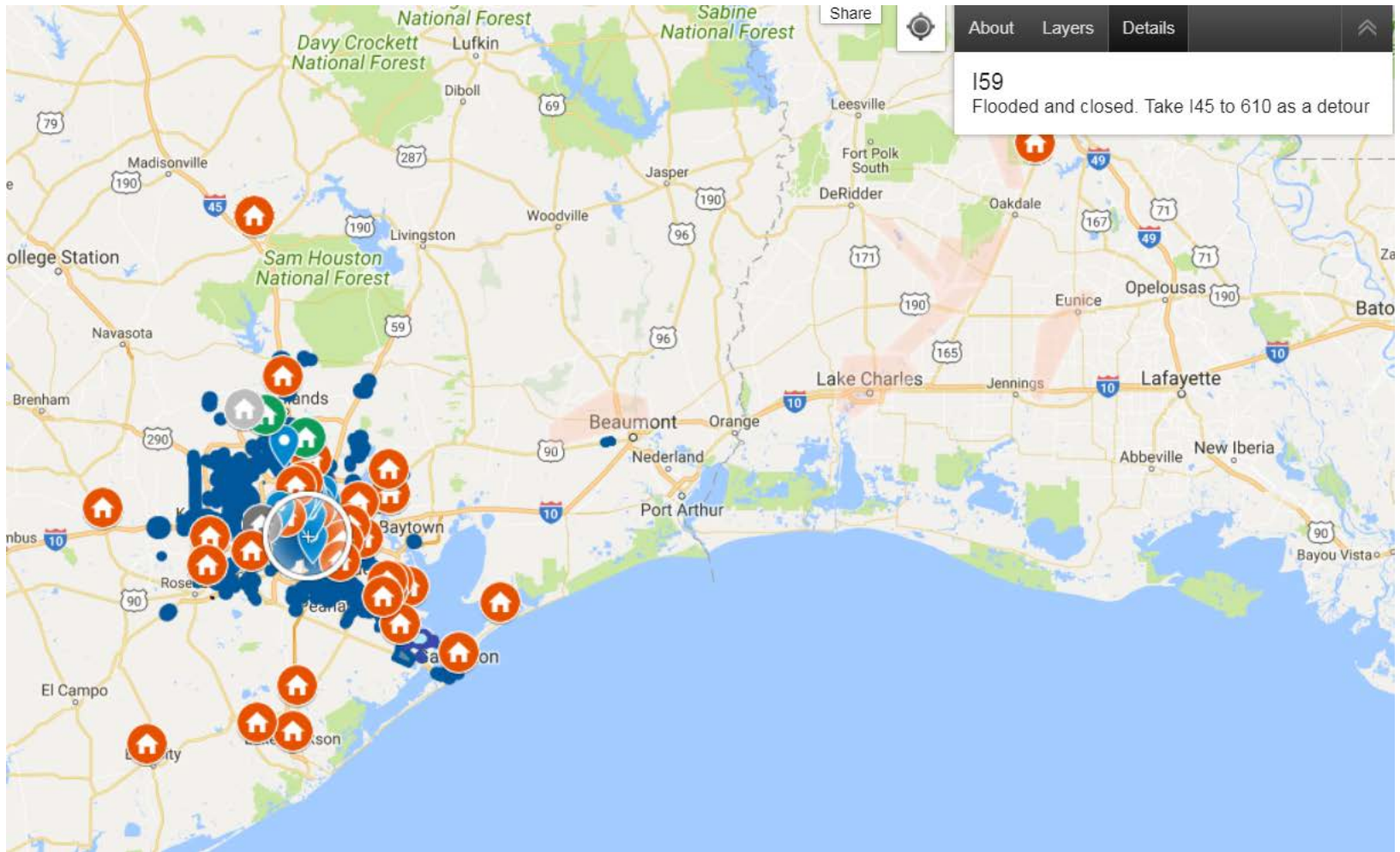


# Sustain

Sustain support for continued data efforts



- Enhance leader's commitment
- Enact legislation
- Culture





# Any Questions???





# Thank you!

**Amber Ivey**

Senior Associate, Data as a Strategic Asset  
[aivey@pewtrusts.org](mailto:aivey@pewtrusts.org)

powered by  octo

# Review of Enterprise Dataset Inventory

Barney Krucoff, Interim Chief Technology Officer

Peter Casey, Senior Data Scientist

Office Chief Technology Officer

Interagency Data Team Meeting

Wednesday, March 7, 2018

# Enterprise Dataset Inventory Analysis

- The following analysis is **preliminary and subject to change**
- Analysis of current metadata derived from EDI



Figure 1  
How many agencies participated?

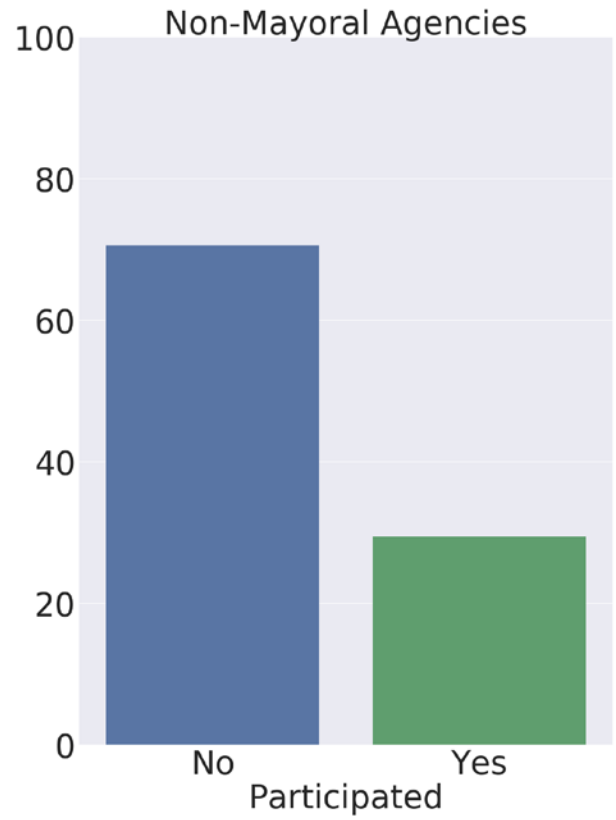
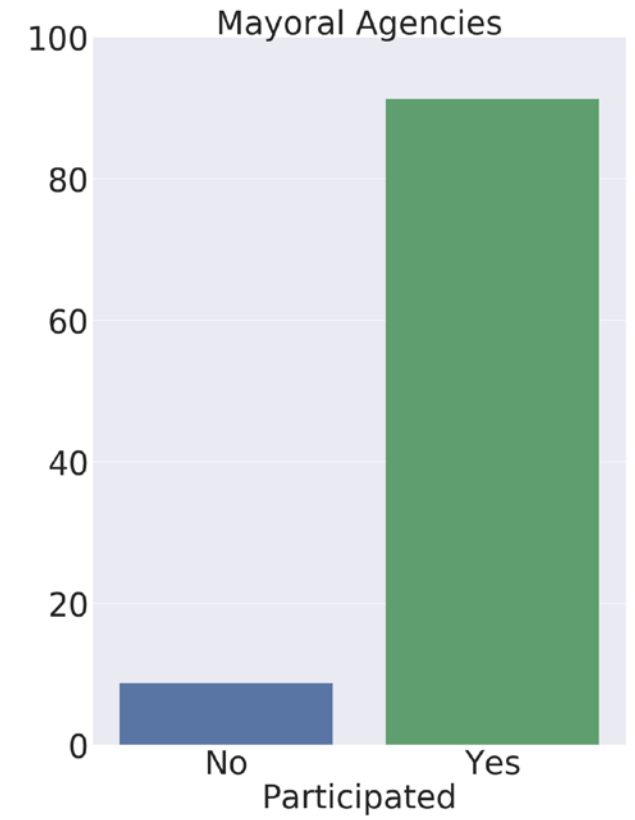
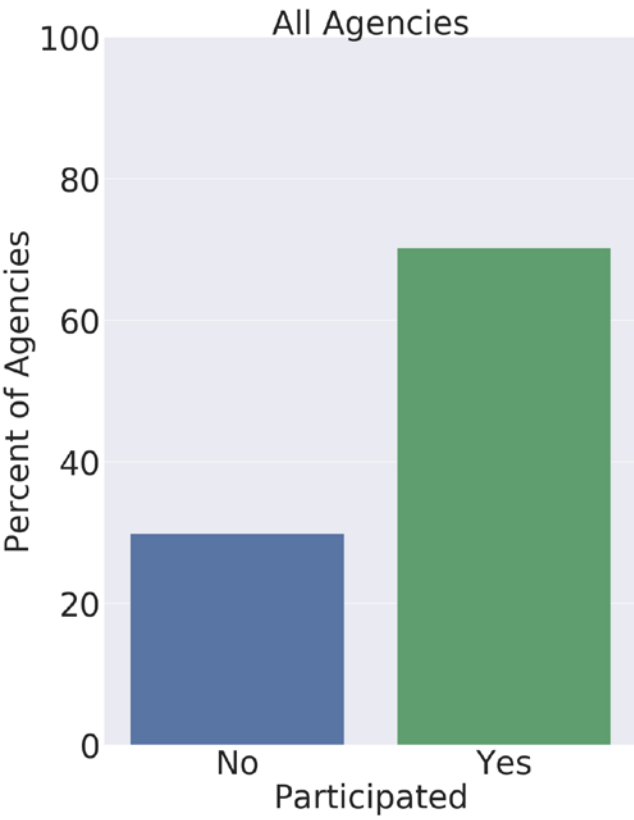




Figure 2  
How many datasets did agencies inventory?

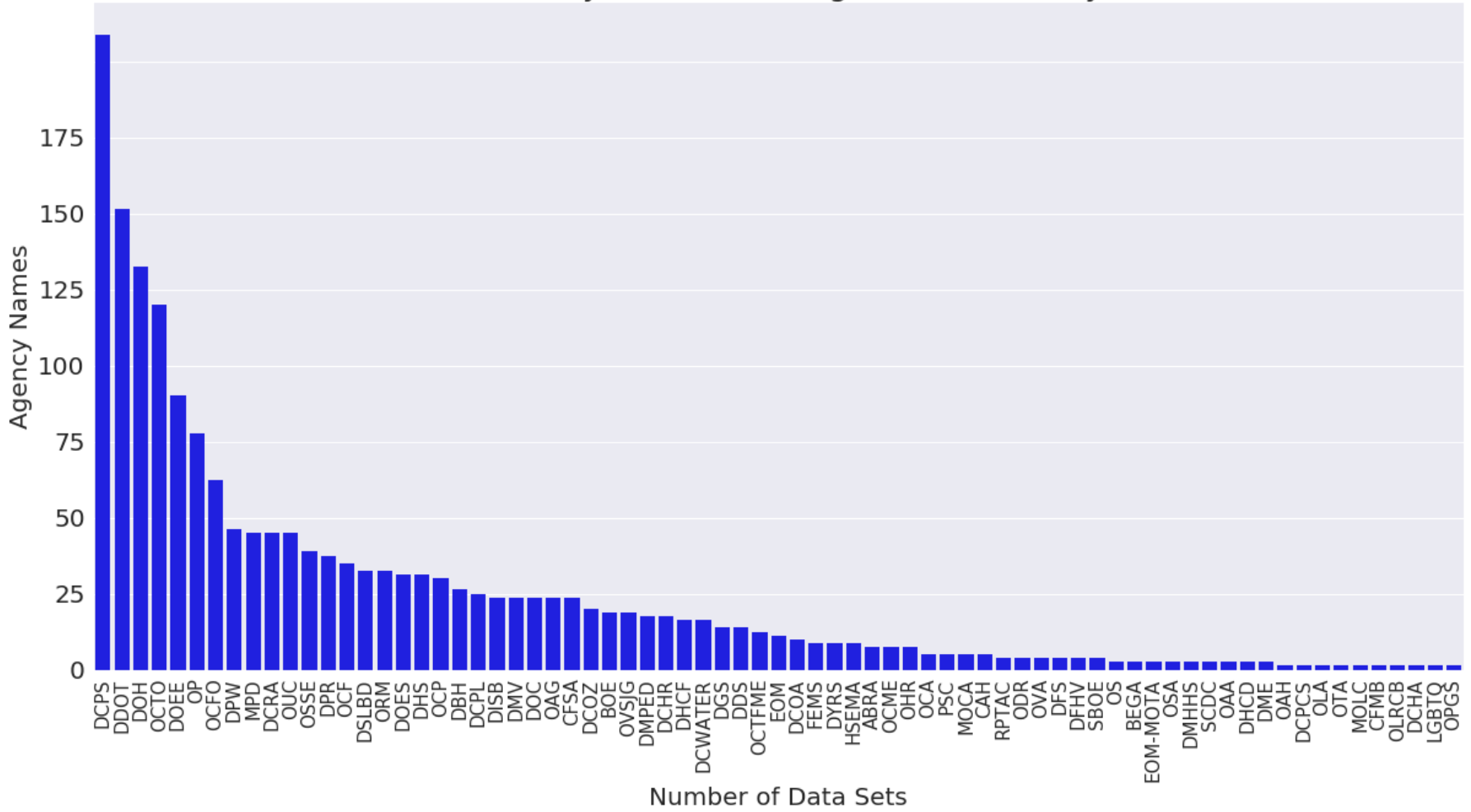




Figure 3  
How does the number of datasets recorded relate to an agency's budget?

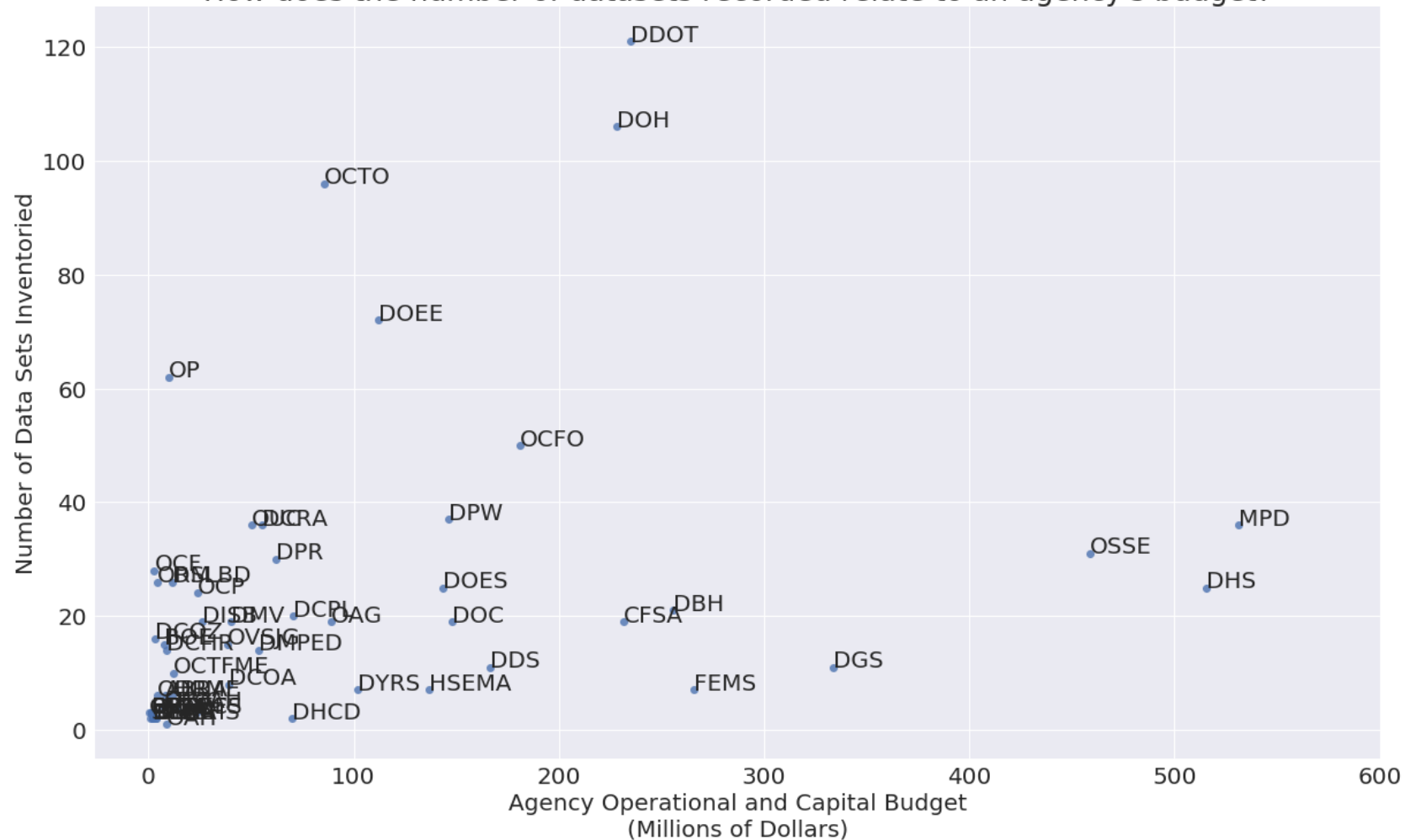




Figure 4  
How were datasets classified?

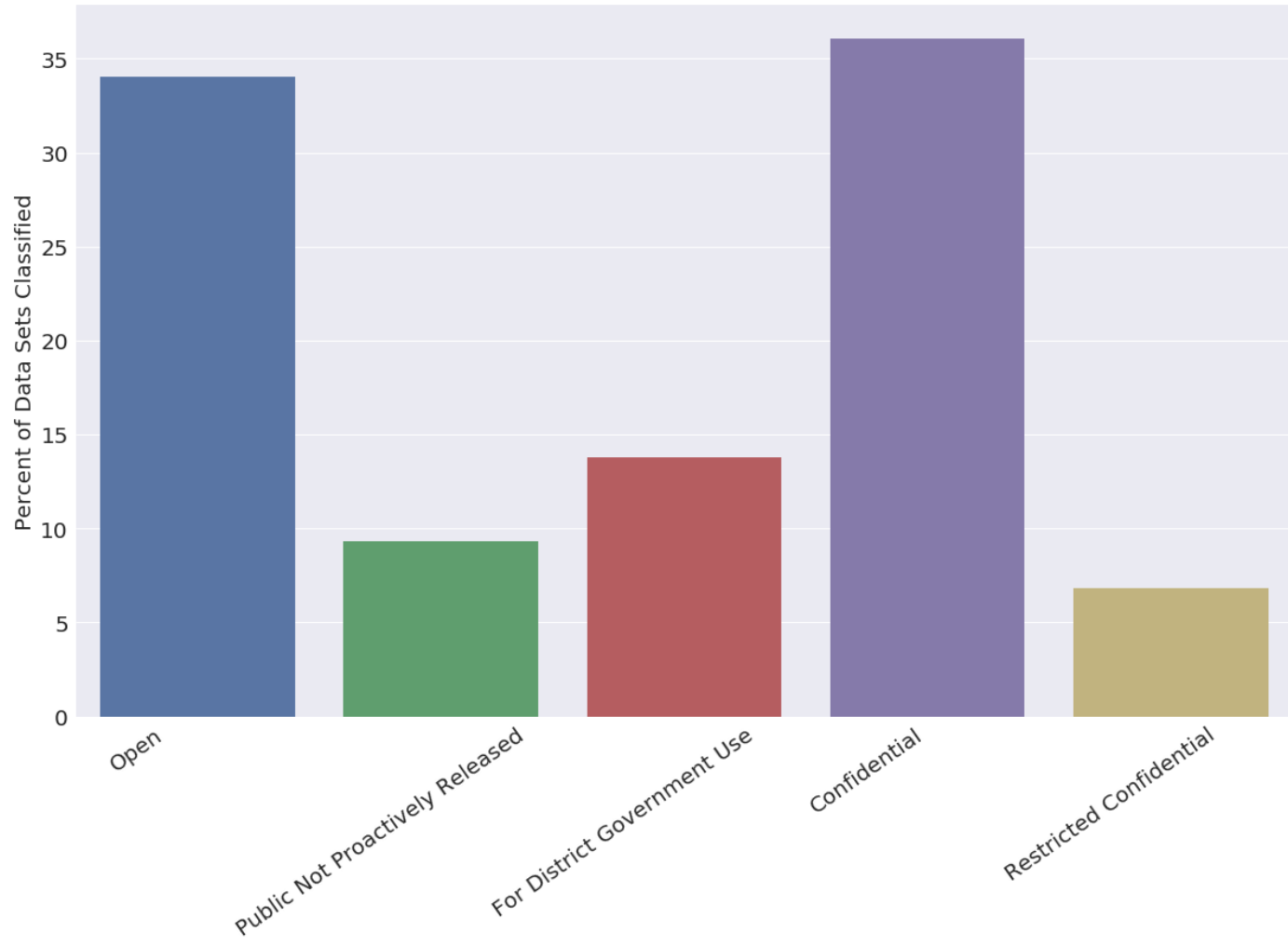
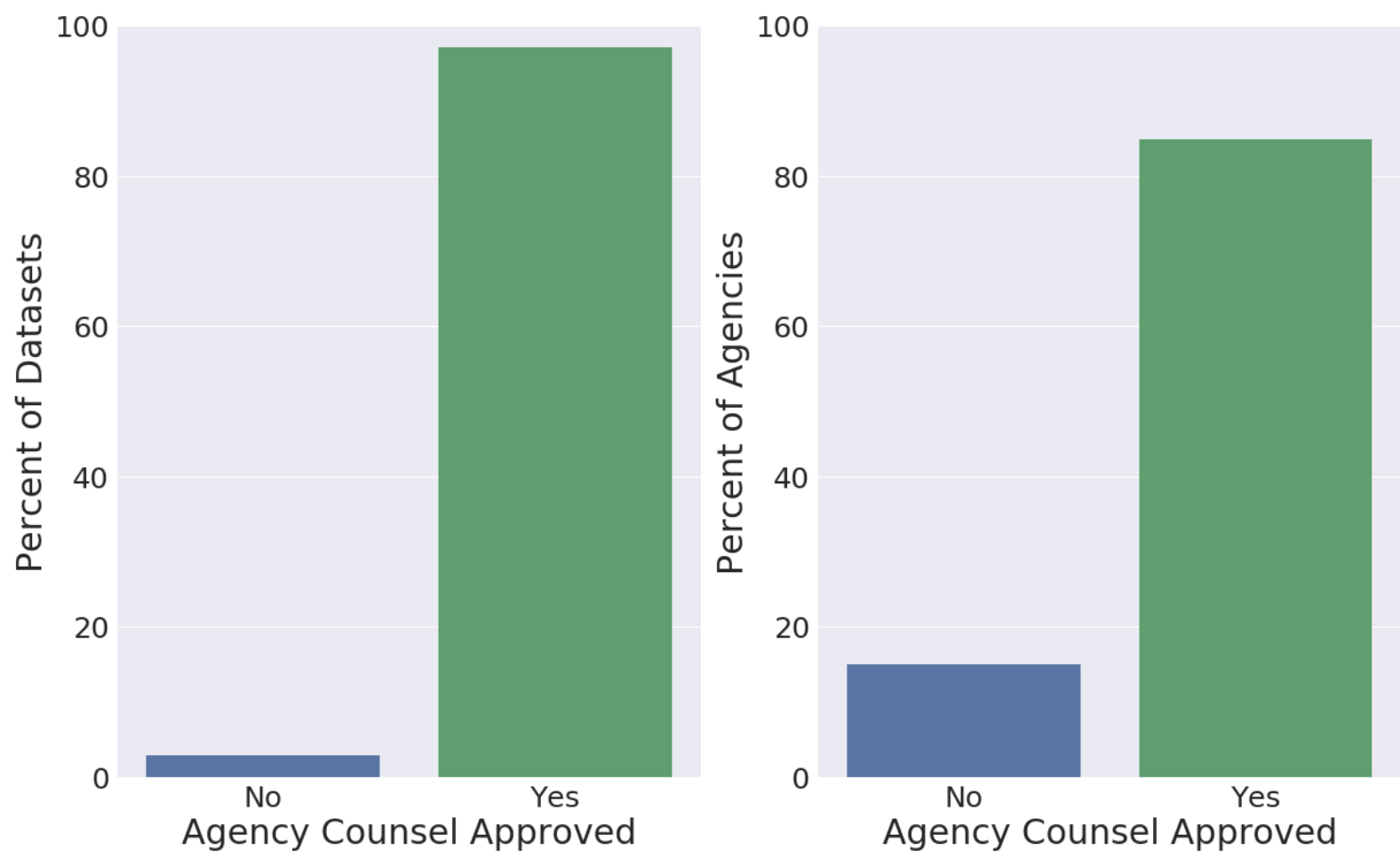




Figure 5  
Were dataset classifications approved by Agency General Counsel?





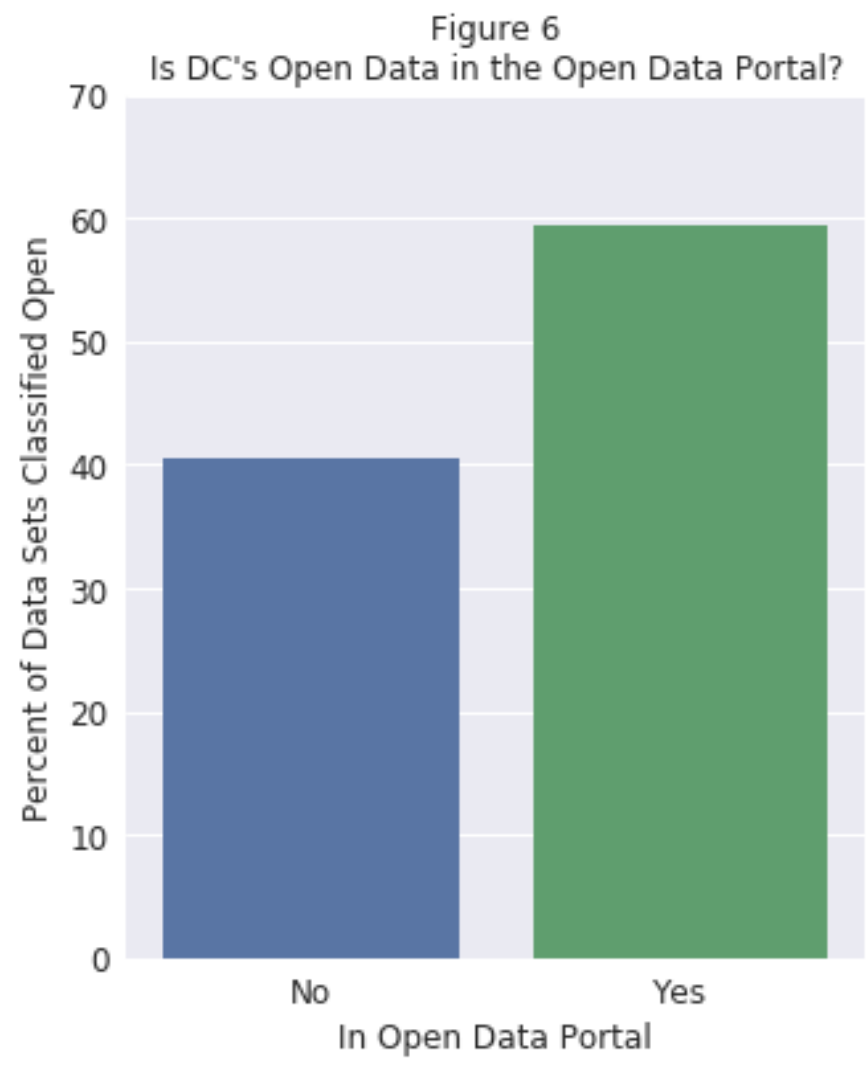
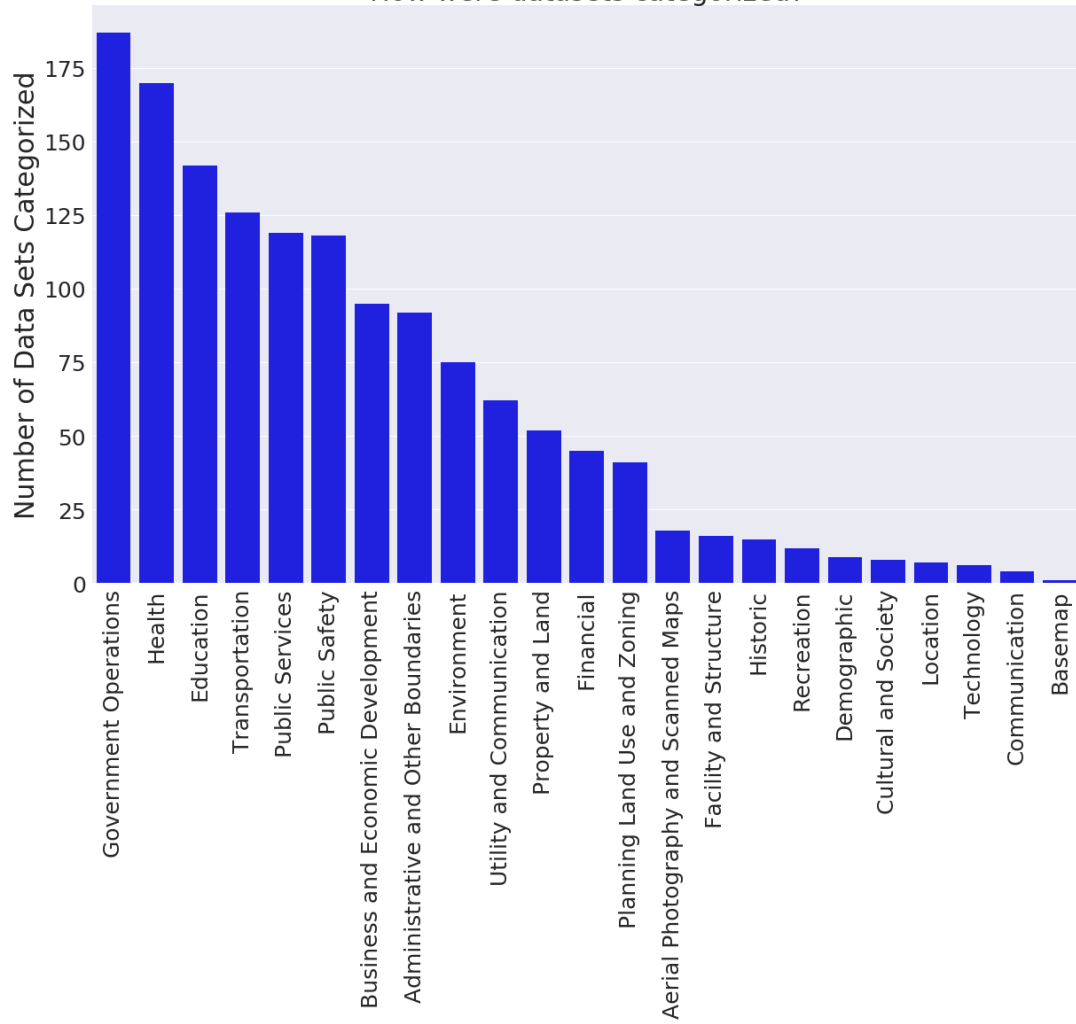




Figure 7  
How were datasets categorized?



# Data Team Goals for the Coming Year

- Extend eMOU system to support data sharing agreements
- Develop modernized data backend to support analytics
- Provide more assistance to agencies for proactive FOIA release
- Formalize data submission standards

# Draft Recommendations

- **For City Administrator:** Develop key performance indicators (KPIs) to encourage agency participation in Enterprise Dataset Inventory
- **For Mayor:** Change annual report publication from Nov. 1 to Monday of Sunshine Week
- **For Council:** Encourage agency participation in EDI and get data from inventory, rather than ask for agencies about data for performance hearings
- **For Mayor and Council:**
  - Adopt reasonable and uniform retention policy for email
  - Legislation to strengthen and clarify the FOIA exemption for critical infrastructure information
  - Legislation to mandate participation in EDI

## TABLEAU SERVER

- Internal Clustered Servers
  - Operational Production
- External Clustered Servers
  - In operation, but ETL updates tests was delayed (dependency Informatic server version update)
  - Begin testing workflow with DPW



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# TABLEAU DESKTOP TRAINING

## Training Dates

- March 14 and 15 (FULL)
- April 11 and 12 (FULL)
- May 16 and 17 (FULL)
- June 13 and 14  
limited availability – 9  
seats left!

[Tim.Harwood@dc.gov](mailto:Tim.Harwood@dc.gov) for  
information.

Sign up:  
[https://tableau-june-13-  
and-14.eventbrite.com/](https://tableau-june-13-and-14.eventbrite.com/)

We are developing an **intermediate class** for Tableau, trying for July/August time frame for the first class.



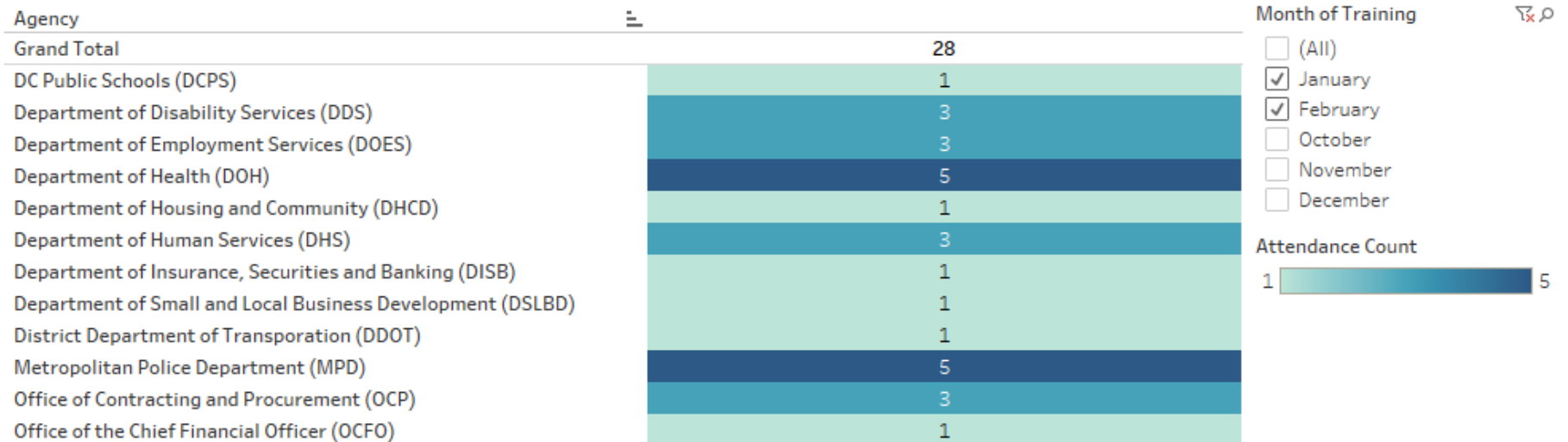


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# TABLEAU - JAN & FEB ATTENDANCE

## Tableau Training Participation by Agency

Last Updated: 2/9/2018





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# MICROSTRATEGY UPDATES

## Connectors

- DC Open Data site
- XML
- Tableau (From Tableau to MicroStrategy)
- Elastic Search
- Salesforce
- QuickBase
- OneDrive
- Hadoop

## Dashboards

- QuickBase Usage dashboard
- Public Litter Receptacle Dashboard and Mobile App (with Write-Back functionality)
- FOIA Employee Dashboard

## Clustering

- Intelligence Server clustering
- Web clustering (In progress)





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## MICROSTRATEGY TRAINING

- Introductory Training  
open to District agency staff
- Scheduled March 27<sup>th</sup> and 28<sup>th</sup>  
Details early next week



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OPEN DISCUSSION 😊

