Putting Data to Work for the **Public Sector**

tableau

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Putting Data to Work for the Public Sector

"The appetite for data has tremendously increased and data insights are becoming the norm." **— Mike Sarasti, Chief Innovation Officer and Director of Innovation and Technology, City of Miami**

The public sector is under intense pressure to respond to a host of challenges and crises, forcing agencies and organizations to adapt and evolve to achieve their missions. Strained government budgets, rising demand for services, and investments to modernize legacy IT are driving public sector leaders to rethink their operating models and find new ways to empower their workforces.

These combined trends have accelerated the need for digital transformation of government agencies beyond all expectations. As they adopt newer, more robust platforms, it's no revelation that the resulting data holds immense potential to improve the way organizations operate and deliver for their constituents, but realizing that potential can be difficult. This is why organizations are looking to enterprise analytics platforms to help them derive insights and value from data.

Enterprise analytics: not just for data scientists

The ubiquity of data throughout every level and function of the public sector offers the unique opportunity for government to inform its own activities, but it can also be overwhelming, disconnected, and hard to understand and communicate.

Tableau removes the mystique around the process of data analysis by making it simple to query datasets using an intuitive enterprise analytics platform. Tableau's ease-of-use encourages employees to engage with data and use it to gain insights, improve processes, and achieve their goals. This is a key component of a strong data culture, and a necessary step toward becoming a data-driven organization.

READ MORE

Federal Data Strategy: The Tableau Blueprint

A Roadmap for Data-Driven Government
Read Tableau's framework for implementing data analytics at scale, to achieve the goals of the Federal Data Strategy

Data is a strategic asset that can provide the foundation for informed decision-making, when employees and government leaders derive value by analyzing data and generating insights. According to Deloitte,

"The value of data is determined not by the data itself but by the message conveyed, decisions made, and actions taken." — Deloitte

The ability to make strategic decisions backed by data has never been more important. Since the beginning of the COVID-19 pandemic, government organizations have relied on data, and visual analyses for managing the PPE supply chain, tracking community spread, and monitoring vaccine uptake. Data analysis has demonstrated the effectiveness of public health measures like masking and social distancing, providing much-needed guidance at a time when citizens felt overwhelmed by information. Understanding the impacts of policy decisions, distribution of key assets across

Indiana COVID-19 Data Report

Additional Resources

County Distributions
Select a county below by tap or click

| Cases | Deaths | Tested | Positivity | County Metrics |

Below results are as of **04/26/2021, 11:59 PM**. The county metrics map is updated Wednesdays at **12:00 PM** and reflects data through the previous Sunday.
Click here to learn more about the county metrics map

Map Filter Weekly 2-Metric Score ▼   ISDH District Statewide ▼

Advisory Level

Advisory level refers to the current guidelines the county must follow. A county must remain at a lower Weekly Two-Metric Score for two consecutive weeks to move down to a lower advisory level.

Weekly 2-Metric Score
- Blue (0 and .5)
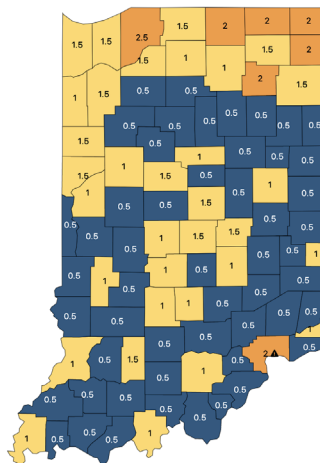- Yellow (1 and 1.5)
- Orange (2 and 2.5)
- Red (3)

Weekly Cases Per 100,000 Residents
- Less Than 10 new cases(0)
- 10 to 99 new cases(1)
- 100 to 199 new cases(2)
- 200 or more(3)

7-Day All Tests Positivity Rate
- Less than 5% (0)
- 5% to 9.9% (1)
- 10% to 14.9% (2)
- 15% or greater (3)

The ⚠ indicates a disclaimer alert for the county. Hover over the symbol for additional details.

State of Indiana COVID-19 Dashboard

Explore how the state of Indiana is sharing its COVID-19 data through a public dashboard to help inform citizens about the virus.

health care systems, and transmissibility of the virus across geographies and populations helped local, state, and federal agencies support their communities during this emergency.

While a crisis underscores the need for fast, reliable data analysis, public sector organizations of all kinds can benefit from a platform that enables employees and management to see and understand mission-critical data when it is needed most. As noted by the State of Indiana's chief data officer Josh Martin at Tableau Government Summit, the pandemic drove state government to break down silos and make data available to agency decision-makers who needed insights. Access to the right information at the right time makes it easier for public sector leaders and employees to incorporate data into their decision-making processes and regular workflows. When agencies operate with better information, and have the ability to share that information clearly and quickly, they can improve decision-making, build trust with their constituents, and achieve their missions more effectively.

Building public trust through data

Data can be a double-edged sword for citizens and government employees tasked with public communications. Data can inform the public, but when it is presented without clear conclusions or relevant context, it can lead citizens to misunderstand or misinterpret government actions and guidance. This phenomenon has been evident during the COVID-19 pandemic, as evolving understanding of the virus led to shifting recommendations for citizens to shield themselves from it. Instead of seeing those changing recommendations as responding to science, some citizens saw inconsistency and lost trust in the government.

More than 245 million people in the United States get their state's COVID-19 data through a Tableau dashboard, and 168 million can view their state's vaccination progress. More than 70 state, provincial, and city governments in North America use Tableau for COVID-19 tracking.
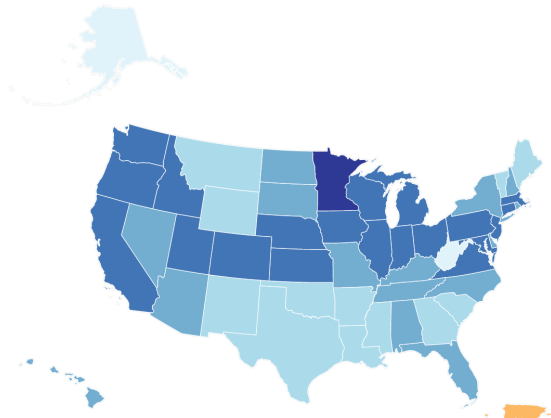
Trust is critical to promote adherence to government guidance, whether it's an evacuation order ahead of a hurricane or inoculation against the flu. In fact, behavioral science researchers have found that when citizens feel well-informed and prepared, they are more likely to adhere to public health or emergency measures.

Open data and transparency are also integral for building public trust, as noted in the Federal Data Strategy. To maintain and build trust, reliance on credible information and clear communication is essential. Data visualizations can help government close the trust gap by providing citizens the ability to see and understand the data, ask questions, and gain insights that are not possible from spreadsheets or static, text-heavy reports.

2020 Census Self-Response by State

This map features self-response rates from households that responded to the 2020 Census online, by mail, or by phone.

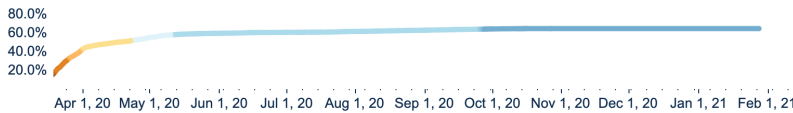National Self-Response
67.0%

Alabama Self-Response
63.6%

Select Date
1/28/2021

Select Mode
Total

Select State
(All)

Geographies

State

County

City

Congressional District

Town and Township

Tribal Area

Self-Response Rate (%)
■ 0-15 ■ 16-30 ■ 31-40 ■ 41-50 51-56 57-62 ■ 63-68 ■ 69-74 ■ 75-85 ■ 86-100

Alabama Total Self-Response Rate

Email us at responseratemap@census.gov
Responses received as of 1/28/2021.
Click here for technical details
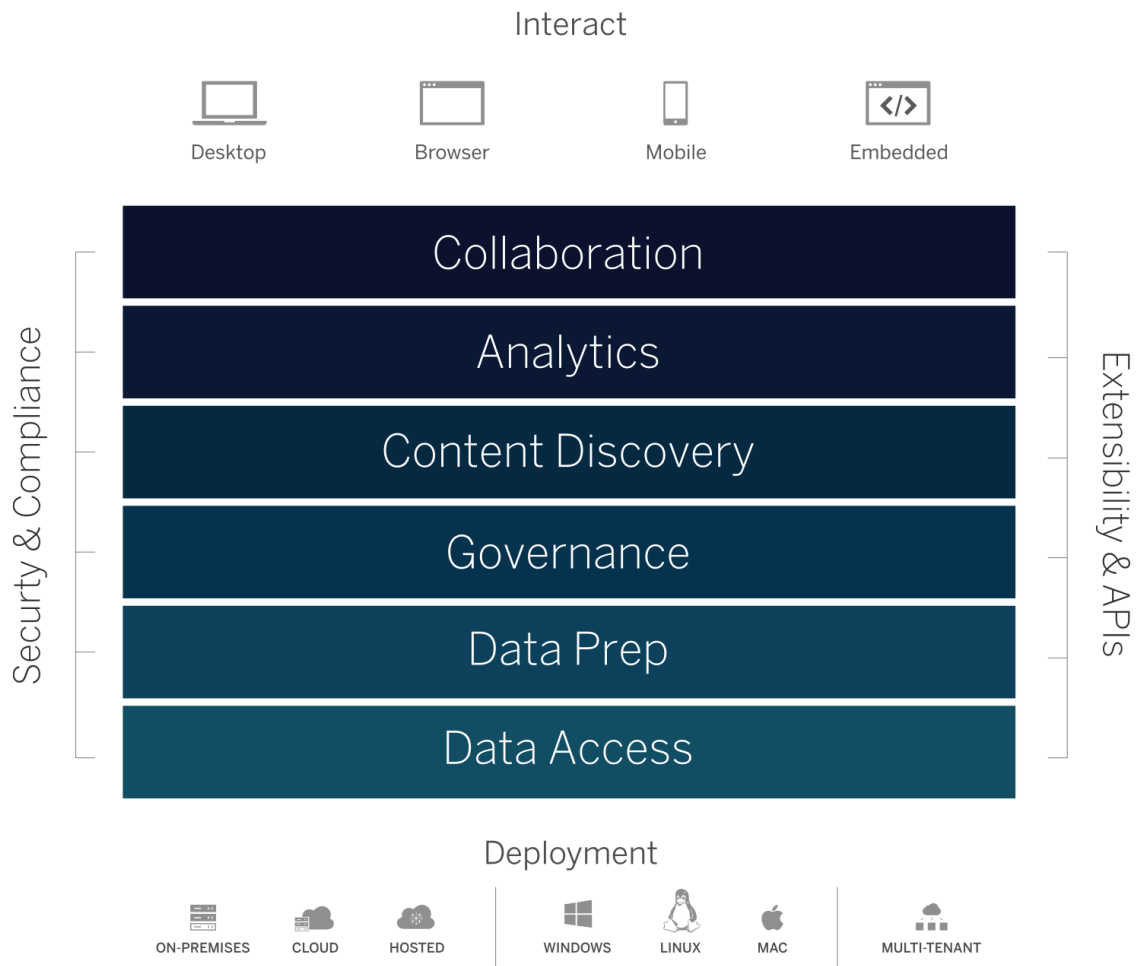
Shape your future START HERE >
United States Census 2020

Census Engagement Navigator

This interactive data visualization allows users to explore local participation in the 2020 census.

Tap into the power of data, wherever it's stored

Helping people see and understand data is our mission at Tableau. When it comes to the public sector, data has traditionally been siloed in disparate systems, making it difficult for both agency leaders and employees to aggregate data and create analyses to identify trends, gain insight, and solve problems. Even those organizations that have the resources to conduct data analysis find it a slow and labor-intensive process, requiring manual input and reporting. All of these hurdles prevent decision-makers from seeing the big picture across their organizations, and make it difficult to lead with data-driven decisions.

The Tableau platform provides a powerful solution for public sector organizations with disparate, siloed data. With Tableau, organizations can connect all relevant data, whether on-premise or in the cloud, accessing and combining datasets without writing code. Organizations seeking to make data-driven decisions no longer need to wait for a lengthy digital transformation to create a unified data warehouse; instead, they can tap into existing data sources wherever they stand today, and begin to build their data culture in tandem with ongoing digital transformation efforts.
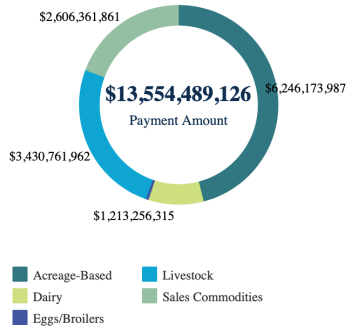

Reports with interactive dashboards allow workers to find insights faster, and collaborate in ways not possible with spreadsheet-based analyses.
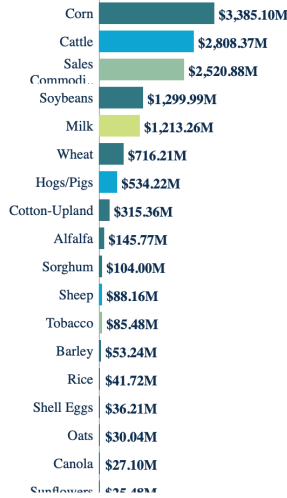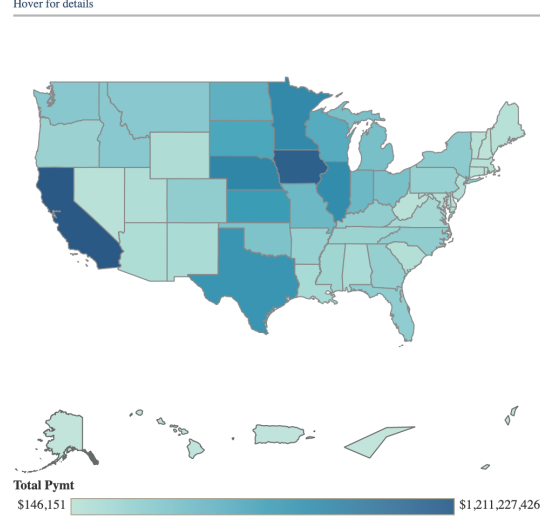
APPROVED APPLICATIONS
903,279

PAYMENTS BY CATEGORY | Hover for details

$2,606,361,861

$13,554,489,126
Payment Amount

$6,246,173,987

$3,430,761,962

$1,213,256,315

- Acreage-Based
- Livestock
- Dairy
- Sales Commodities
- Eggs/Broilers

PAYMENTS BY COMMODITY

Commodity	Amount
Corn	$3,385.10M
Cattle	$2,808.37M
Sales Commodi...	$2,520.88M
Soybeans	$1,299.99M
Milk	$1,213.26M
Wheat	$716.21M
Hogs/Pigs	$534.22M
Cotton-Upland	$315.36M
Alfalfa	$145.77M
Sorghum	$104.00M
Sheep	$88.16M
Tobacco	$85.48M
Barley	$53.24M
Rice	$41.72M
Shell Eggs	$36.21M
Oats	$30.04M
Canola	$27.10M
Sunflowers	$25.48M

PAYMENTS & APPROVED APPLICATIONS BY STATE
Hover for details

Total Pymt
$146,151 — $1,211,227,426

USDA: Using Dashboards to Improve Services

Watch USDA Chief Data Officer Ted Kaouk discuss the agency's implementation of Tableau dashboards to leverage data as a strategic asset and better serve U.S. agricultural producers.

Connecting the enterprise

To realize the full potential of data analytics, every organization needs to have data sets that are ready for analysis. Tableau Prep changes the way traditional data prep is performed in an organization. By providing a visual and direct way to combine, shape and clean data, Tableau Prep makes it easier for analysts and business users to start their analysis, faster. Tableau Prep Builder enables users to build data flows, and Tableau Prep Conductor enables scheduling, monitoring and managing flows across the organization. Because Tableau partners with organizations to support both data strategy and analytics, these two processes can happen in tandem—without the delay of waiting for a unified data lake to be established before analytics can be deployed. Tableau works, no matter where an agency is in its digital transformation journey.

Available both on-premise and as a cloud application, Tableau gives everyone in the organization the ability to create powerful visual analytics in a secure, governed environment. For administrators, Tableau offers a full suite of governance tools to control permissions and ensure the integrity and security of the organization's data. Tableau helps organizations balance the dual goals of governance and self-service access, enabling them to benefit from the innovation and insights that come from access, while securing data with appropriate limits.

Building a data culture

Becoming a "data-driven organization" requires more than just the implementation of technology. It requires a fundamental shift in mindset among nearly every person at the organization. Data should be seen as integral to decision-making, and as a strategic asset that can be used to inform the organization's activities and goals. Data analytics should not be viewed as an intimidating or risky proposition for employees; they should feel empowered to ask questions of the data, and to share their findings and best practices. Ultimately, users should feel confident engaging with data in a way that helps them better fulfill their role, and even enjoy using analytics to find answers to hard questions and generate powerful insights. Moreover, organizations should establish practices that support employees who do so.

Creating cultural change can be challenging, especially when it requires shifting long-established behaviors and views. In our experience, lasting change is achieved when it occurs throughout the hierarchy of an organization, not just from the top down or the bottom up. With its ease-of-use and powerful insights, Tableau fuels data cultures, helping people across organizations be more adaptable, resilient, and successful, even as digital transformation and environmental factors change the ways we work.

Data leading organizations-those with the most successful Data Cultures- see transformed benefits.

41%

41% greater improvement in production time to market compared to data-aware entities.

89%

89% improvements to customer retention and acquisition compared to data-adopting entities.

45%

45% greater improvement in employee retention compared to data-aware entities.

Data Culture

It takes more than just technology. Learn how to successfully scale analytics by building a strong data culture within your organization.

No other data analytics platform matches Tableau when it comes to the enthusiasm of our users for sharing their ideas, guidance, and resources in our community forums. This vibrant and unrivaled community is a testament to the power of data and insights to inspire curiosity and engagement, ensuring everyone succeeds on the data journey.

We see this passion reflected inside organizations that use Tableau, where centers of excellence are enabling teams to share best practices, advice, and use cases to build their data culture. To help drive adoption throughout an organization, Tableau offers free, comprehensive video training for users at all levels, a Tableau certification program, and continuing education offerings to advance data literacy and analytics skills. Equipping the workforce with analytics skills not only creates a pipeline of data analytics talent within any agency, but can also support recruitment and retention efforts as employees obtain experience valued in the modern economy.

What's next?

As public sector leaders seek to position their agencies for the future, incorporating technologies that will help them respond to crises and better achieve their missions, Tableau is a trusted partner for dozens of U.S. states and federal agencies, and hundreds of municipalities who have begun to harness the power of data to support their communities and constituents. We invite you to learn more about the Tableau platform and how your organization can foster productivity, innovation, and better outcomes using data analytics.

Learn more:

Interactive Government Data Visualizations

Government Analytics

Federal Civilian Analytics

Defense and Intelligence Analytics

State and Local Government Analytics

About Tableau

Organizations around the world are using Tableau to share data and insights and keep their employees and citizenscitizend engaged. Find out how our platform can help your organization to see and understand their data by enabling self-service analytics, allowing collaboration, and swift insight-to-action. Try Tableau for free today.