




TOGETHER WE SOLVE

A RESPONSE-AND-RECOVERY-READY PUBLIC SECTOR

6 ways analytics will empower the public sector to optimize response to COVID-19



For public sector organizations at all levels, the outbreak of COVID-19 is creating unprecedented challenges across many areas of operations. Pandemic tracking, emergency response, public health operations, citizen communication and engagement, inter-agency and private sector collaboration, continuity of critical services, and distribution and management of social, financial, and economic recovery operations are just some of the challenges.

All these challenges are going to require an elevated ability to manage hundreds of thousands if not millions of points of data and derive actionable insight that can enable government organizations to understand what is happening, predict what might happen, and ultimately optimize their ability to respond, collaborate, and protect their communities.

SELF-SERVICE ANALYTICS TO EMPOWER AND ACCELERATE RESPONSE + RECOVERY

1 TRACK PANDEMIC SURVEILLANCE WITH PREDICTIVE AND GEO-SPATIAL ANALYTICS

Aggregating, transforming, and reporting on data is mission-critical to deploying a rapid response for containment of a pandemic outbreak.

PATH EMPOWERS THE FRONT LINE:

PATH transformed how data was collected and analyzed, empowering front line health workers to better track, treat, and prevent malaria outbreaks. →

2 MANAGE THE DISRUPTED FINANCIAL LANDSCAPE WITH THE ABILITY TO PREP, BLEND, ANALYZE, AND PREDICT WITH DATA FROM MULTIPLE SOURCES

Government tax and finance agencies will need to quickly analyze and forecast financial projections, taking in multiple sources of new information to more accurately predict and project short- and long-term impacts as communities, businesses, and agencies attempt to return to normal.

ANALYTICS SOLUTION:

Project financial forecasts in an extremely disrupted environment and make difficult choices on funding priorities with the ability to ingest new sources of data and model predictive forecasts.

3 SCALE TO HANDLE THE INFLUX OF REQUESTS FOR SUPPORT AND RECOVERY SERVICES WITH AUTOMATED ANALYTICS PROCESSES

The road to recovery from COVID-19 is going to be paved in paperwork and forms. Every system from Medicaid, Unemployment, Small Business Administration, Community Block Grants, Welfare, Housing and others that support families, employees, and business recovery will be overwhelmed with incoming requests for services, recovery, and support.

ANALYTICS SOLUTION:

Scale to meet the challenge of quickly processing requests, fighting fraud and abuse, and delivering support with advanced analytics like natural language processing that automate time-consuming manual processes.



A RESPONSE + RECOVERY READY PUBLIC SECTOR

4 USE GEOSPATIAL ANALYTICS TO VERIFY AVAILABILITY OF CRITICAL SERVICES AND WHERE GAPS MAY EXIST FOR THOSE MOST AT RISK

Public Health, Emergency Management and Social Service agencies including Medicaid, Child and Family Services, and others will need geospatial insight to determine how well those most in need have access to critical services.

GEOSPATIAL FOR MEDICAID:

A state Medicaid organization is mapping out the locations of 2.9 million Medicaid subscribers and over 300K service locations to evaluate access to substance abuse disorder services.

5 USE GEOSPATIAL AND PREDICTIVE ANALYTICS TO OPTIMIZE THE AVAILABILITY OF PUBLIC BUILDINGS, FACILITIES, UTILITIES, AND INFRASTRUCTURE

Public Sector organizations are going to face tremendous pressure in maintaining operations in systems, networks, utilities, and public facilities to maintain critical service delivery needs. In some cases, public sector organizations will need to turn public or even private facilities into temporary healthcare, residential, distribution, or testing centers.

AUTOMATING WATER LEAK DETECTION:

In Tallahassee, the local water utility uses real-time insight on the status of their water infrastructure to quickly identify issues like abnormal consumption, notify impacted customers, and dispatch work crews in a timely manner. →

6 MANAGE EMPLOYEE HEALTH, SAFETY, AND STRESS LEVELS WITH HUMAN CAPITAL ANALYTICS

Employees of agencies that deliver critical services will be hugely stressed and overworked trying to meet the demands triggered by the COVID-19 response and recovery. Protecting their health, safety, and well-being will be key to success and the ability to deliver much-needed services.

ANALYTICS SOLUTION:

Map employee schedules, shifts and the number of cases they are seeing with a risk score, to predict employees most at risk for attrition. Read more about human capital management analytics for government. →



LEARN MORE

Learn more at alteryx.com/public-sector



LET'S SOLVE TOGETHER

Public sector challenges are unprecedented, but not insurmountable. Start solving with Alteryx, free for one month.