

# WHAT'S NEXT FOR PUBLIC SECTOR IN ANALYTICS & AI

Public sector organizations have made significant strides in adoption of data, analytics and AI technologies. This will pick up pace in 2022 and public sector organizations will navigate to the next stage of their analytics and AI journey by focusing on the following 5 areas:

## 1 DATA ESTATE MODERNIZATION



Modernize legacy data systems to new cloud-based data analytics platforms incorporating agile data engineering, compatibility with modern data standards like FHIR, self-service analytics, and automated predictive modeling to enhance efficiency, freeing-up data trapped in legacy systems.



## 2 DATA MARKETPLACE FOR DATA DEMOCRATIZATION

Aggregate, manage, share and analyze ready-to-query, curated and anonymized data through online transactional stores. Empower data scientists, business intelligence and analytics professionals to do more with data and build powerful and effective models.

## 4 MLOps



Bring together data scientists, data analysts, developers and IT operations professionals to build and deploy higher quality AI models at speed and scale. Introduce repeatability and auditability through automation across data science/ machine learning stages.

## 3 COMPLEX LANGUAGE AND COMPUTER VISION MODELS



Use complex language processing models like the Generative Pre-trained Transformer 3 or GPT-3/GPT-J models to enhance constituent experience and engagement. Develop AI solutions for public sentiment analysis, emotion analysis, domain-driven conversational virtual assistants, fraud analytics, etc.

## 5 RESPONSIBLE AI



Use the overarching Responsible AI framework that incorporates regular reviews, ensures process transparency, establishes lineage and provenance, and enables use of balanced data sets to address the systemic bias in data and deliver ethical and equitable outcomes through data science experimentations.

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