

# Artificial intelligence and analytic solutions

Turning your data into insights



## Benefits:

- Uncover hidden insights in vast amounts of unstructured and structured data including geospatial, text and voice
- Partner with experts in this fast-changing technology domain
- Exploit the latest advanced analytics technology to augment human intelligence and create efficiencies
- Integrate transparent, explainable and ethical AI solutions

Realizing the potential of artificial intelligence (AI) is difficult. Dominated by hype and buzzwords, AI is a complicated, emerging field that is transforming industries and governments. From operations, training, recruiting and sustainment to force protection and health care, AI enables opportunities to improve support and protection for U.S. service members, safeguard citizens, defend allies and partners, and improve the affordability and speed of operations.

## Our solutions

Perspecta demystifies the complex and rapidly advancing field of AI and machine learning (ML), delivering knowledge and capabilities tailored to address real-world problems. Our analytic solutions include predictive modeling, image analysis and augmented analytics that operate at scale and in real-time to optimize information

processing and execute your mission more effectively.

We developed a framework for evaluating algorithms against large data sets, assessing algorithmic maturity and testing end-to-end approaches. Our analytics framework integrates open source and commercial off-the-shelf solutions to drive different analytics modalities including streaming analytics, social media, autonomous AI and computer vision. We bring together best-of-breed solutions to match our customers' budget, timeframe and scale while also considering their investments and alignment to their goals and objectives.

The increasing volume, velocity and variety of data demand new approaches for extracting the maximum value from data. Building on our data expertise, we turn our customers' data into insights that improve decision-making.

### AI solutions

We partner with our customers to keep ahead of the technology curve and drive mission effectiveness with data-focused solutions. Our approach follows the principles of transparent, explainable and ethical AI as a philosophy to support mission improvement. We know how to integrate AI and analytic solutions with our customers' broader architecture to achieve the highest mission value.

Perspecta's incorporates groundbreaking applied research, including analytics from Perspecta Labs<sup>™</sup>, our innovative applied research arm. We have analytics and industry-leading capabilities and expertise in activity-based intelligence, behavioral science to inform strategic communications and a proprietary approach for ML using a Perspecta Labs' analytics algorithm—Learning Using Privileged Information—that attempts to mimic the process of human learning.

We deliver analysis with broad and deep knowledge across issues, capabilities, threats and sources—as well as expert analytic and writing skills. We leverage the knowledge of the latest tools and tradecraft to improve data-driven decision-making. Our approach to verifying and validating multiple sources enhances the trust and confidence in analytic results in an increasingly complex world.

### Intelligence analysis

Perspecta's intelligence analysis provides decision-makers with the information they need, when they need it, using:

- All-source, trend and predictive analyses
- Data analysis that combines advanced analytical techniques and ML algorithms to extract value and intelligence
- Precision analysis to determine strategic communications via pattern and unstructured data analysis

### Cognitive analytics

Our cognitive analytics apply our industry expertise via domain-based algorithms, predictive modeling and embedded analytics to operate organizations more effectively while continuously improving outcomes and addressing industry use cases such as customer intelligence, predictive maintenance, warranty analytics, smart grid and population health analytics.

### Why Perspecta

We manage some of the largest data implementations in the federal government including the Centers for Medicare & Medicaid Services and the Defense Manpower Data Center. From supporting the U.S. Navy and Marine Corps to the County of San Diego, our expansive data management experience gives us the knowledge to deliver data and analytic solutions that serve our customers' enterprise needs.

Across Perspecta we leverage the expertise of 500+ data scientists, architects and engineers to drive innovative solutions. Our experts provide knowledge of multiple AI / ML techniques and their firsthand experience across government and commercial applications ensure validated and supported mission-ready solutions.

Additionally, we augment a customer's enterprise with the right analytics and data solutions to meet their objectives now and into the future. Our vendor-agnostic approach allows us to provide a solution tailored to our customers' baseline while leveraging Perspecta's relationships with leading companies and universities to bring the right technology to our customers.