

AI Accelerates Threat Analytics to Safeguard Nation

CAPABILITIES SHOWN



AI & Machine Learning



Entity Resolution



Agile Services



Data Insights



Business Intelligence & Visualization

ABOUT THE COMPANY

Navitas Business Consulting is an award-winning, woman and minority-owned, SBA 8(a) certified IT Consulting & Solutions Company. We value passion, integrity, commitment, and collaboration, provide the perfect combination of technology, people, innovation, and expertise, and are committed to helping you improve speed, achieve desired outcomes, and reduce costs. Our core capabilities include multi-cloud enablement, digital transformation, and data and intelligence.



CUSTOMER CHALLENGE

A federal agency required real-time predictive analytics to enhance its intelligence infrastructure. The Agency had needed to conduct global assessments, evaluate cross-agency data, and provide unified intelligence to coordinate, enhance, identify, and convey changes in special operations. The Agency required assistance in simplifying the coordination of stakeholders for model development, enhancing their processes in feature engineering and training datasets creation, and improving model accuracy. There were also opportunities to implement machine learning for reproducibility, registry, and traceability.

NAVITAS SOLUTION

Navitas developed and implemented a comprehensive end-to-end machine learning (ML) solution to empower analytics users to quickly and easily build highly accurate predictive models. Our team provided data-driven modeling, which incorporated state-of-the-art analytical tools, the power of machine learning, and analytical work to discern anomalies that would escape the human eye, as well as subtle features that are highly predictive of future behavior.

Navitas established a comprehensive operational and business data analytics framework. We defined the model development lifecycle, supported feature engineering and training datasets creation, and defined automated ML data pipelines to build and deploy risk/validation models. Navitas developed reports and dashboards with visual representations of threat indicators which allowed analysts to visualize and comprehend vast amounts of interrelated information in graphical and spatial representation. We provided the Agency with simplicity through the reduction of interfaces, development costs, and time to market. Navitas introduced agile data engineering and implemented DataOps.

THE BENEFITS

3 weeks

improved time from data to deriving insights

50%

increase in response to on-demand analytical requests

Improved

model lifecycle from inception to delivery using automated pipelines

90%

reduction in making a risk assessment using scalable AI/ML services