# Chart the right course with data-driven analysis

**KSA Integration's end-to-end analytics create a framework for client data that maximizes insights.**

With exploratory data analysis, reliable predictive models, and integration of business intelligence and data, our value is realized through the informed actions your organization can confidently take.

By linking our data analysts and operational experts, we ensure our solutions are practical and performant.

## Key Clients

We have conducted in-depth research and assessments, built complex models, and made recommendations for leading governmental and private agencies.
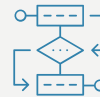
Please contact us or visit our website to learn about our contract vehicles and how we help our clients succeed.

## Key Services

### Data Engineering & Processing

- Data Wrangling
- Data Engineering & ETL
- Data Cleaning
- Exploratory Data Analysis

### Machine Learning & Artificial Intelligence

- Regression & Classification
- Time Series Modeling
- Deep Learning with Neural Networks
- Model Deployment

### Analysis, Visualization & Monitoring

- Operations Research
- Dashboards & Visualizations
- Metric Tracking
- Model Performance & Monitoring

**KSA** INTEGRATION

# Data Analysis Project Examples

## United States Marine Corps

### *Director of Intelligence Artificial Intelligence Study*

- Assessed the relationship between artificial intelligence, machine learning, the intelligence cycle, and operations in the information environment
- Distilled major findings into clear, concise visual recommendations
- Addressed issues in order of priority to resolve shortfalls and errors in system integration.
- Proactive development and integration of artificial intelligence and machine learning at forefront of recommendations

### *Independent Readiness Reviews (IRR)*

- Conducted a root cause analysis of readiness detractors and develop recommendations to correct and mitigate risk
- Conducted thorough interviews, collected quantitative & qualitative data.
- Analyzed trends, tested hypotheses and identified root causes
- Recommended data-driven solutions to easily achieve client's desired readiness levels

## Department of Homeland Security

### *System of Systems Operational Analytics (SoSOA) and Visual Analytics for Mission Performance (VAMP)*

- Developed a program designed as virtual environment for collaborative operational analysis
- Enabled complex, timely, data driven, mission-focused decisions across DHS
- Enhanced VAMP by combining the correct data, tools, and training

### *Migrant Model Integration*

- Created an ETL pipeline to wrangle data from multiple data sources and preprocess data into a format that is easy for the MMI model to use
- Developed a model that enables rapid analyses of DHS policy and resource options
- Models' migrant flows through the entire immigration process from encounter to disposition
- Enables rapid analysis of policy and resource allocation, to model a noncitizens path through the immigration process

# Service | Integrity | Value

KSA Integration was founded in the belief that personalized consulting provides the concentration of talent, vision and resources that will drive the best outcomes at the best value for your organization.

Our roster of subject matter experts assess root causes and apply the highest level of rigor and analytics when developing tailored, scalable solutions that last.

At KSA Integration, clients are not just contracts. You are our commitment.

## Business Process Improvement | Data Analytics | Warrior Care