

# Enabling Insight-Driven Decision Making

Agilex utilizes its advanced analytics and statistical modeling capabilities to help clients find the insight lost in thousands of metrics and terabytes of data – allowing them to discover and capitalize on emerging trends and patterns, optimize performance and plan more effectively for the future.

Our Analytics & Business Intelligence team includes statisticians and other experts, averaging more than a decade of experience apiece. They offer extensive knowledge of the top platforms, including SAS, SPSS, Oracle and Microsoft, and can help you optimize their performance. Using advanced statistical techniques, they can identify, categorize and analyze the information needed to make informed, strategic business decisions. We provide end-to-end solutions – from the warehouse to analysis – to our client’s most strategic challenges, such as protecting our nation’s digital infrastructure and rooting out fraudulent medical claims.

## Features

We embrace a multi-disciplinary approach utilizing integrated teams with deep experience in data analysis, integration and warehousing:

- **Statisticians and Econometricians** with advanced degrees for creating forecasts and predictive models.
  - **Information Architects** for defining the required data models and delivering needed data quality.
  - **Business Analysts** as domain experts identifying the project’s Key Performance Indicators (KPIs) and other reporting metrics.
- We deliver the complete solution:
- Each solution brings together key components – customized algorithms, statistical models, process flows and data models – as a complete package to solve our client’s most strategic challenges.
  - Through the use of advanced techniques – for example, data mining, predictive modeling and statistical forecasting – we extract the most insight possible from enterprise data.
  - Our offerings capitalize on our demonstrated strengths in a number of complementary information management fields, including data warehousing, system integration, data quality and Master Data Management, and Latent Semantic Indexing for text analytics.
  - Agilex Interactive Visualization uses perceptual, cognitive and operational analysis to deliver contextually-rich visual reporting.
  - **Forecasting** – Creating long-term, forward-looking projections, such as anticipating future requirements for human capital management, with “what if” scenarios used to evaluate mitigation strategies.
  - **Fraud, Waste and Abuse** – Identifying potentially fraudulent, anomalous or erroneous transactions.
  - **Risk Analysis & Mitigation** – Segment and prioritize potential threats in terms of likelihood and severity.
  - **Customer Lifecycle Management** – Proven techniques for optimizing yield and reducing churn within major consumer marketing segments.
- Agilex addresses critical enterprise challenges:
- Agilex is a SAS Silver Alliance Partner:
- Leadership in key technologies, including:
    - › DataFlux (data cleansing for SAS)
    - › SAS Enterprise Business Intelligence
    - › SAS Enterprise Data Integration
  - **Cyber security** – Analyzing millions of transactions to determine incident criticality, identify trends, and prioritize response and resource allocation.

# We helped a Fortune 50 company use advanced analytics to improve operational cash flow by \$1 billion.

- › SAS Enterprise Miner
- › SAS Forecast Server
- Focused on implementing and optimizing SAS's key public sector solutions, including:
  - › SAS Activity-based Management
  - › SAS Credit Risk Management
  - › SAS Financial Management
  - › SAS Fraud Management
  - › SAS Human Capital Management
  - › SAS IT Intelligence
  - › SAS Strategic Performance Management

We offer demonstrated expertise with other key platforms and tools:

- **Content Analyst** – Latent Semantic Indexing
- **Endeca** – Search and Information Access Applications
- **IBM Cognos** – Business Intelligence, Enterprise Scorecarding and Performance Management
- **Informatica** – Data Integration and Exchange
- **Microsoft** – SQL Server (analysis & reporting services), PerformancePoint and ProClarity
- **Oracle** – Database 11g, Fusion Middleware, OBI and Hyperion
- **SAP BusinessObjects** – Business Intelligence, Information Management and Performance Management
- **SPSS** – Data Mining and Predictive Analytics

## Competencies

**Predictive Analytics & Modeling** – One of the biggest challenges organizations face is in determining the probability or likelihood that a specific event – large or small – may occur. Agilex specializes in the use of advanced analytics and predictive modeling to determine or project the anticipated outcome for a specific scenario. Using this approach, we've helped clients reduce customer churn by up to 40% and grow revenue by hundreds of millions of dollars annually.

**Forecasting** – We empower organizations to anticipate what's next as we've helped them improve forecasting accuracy to 99%+. Our services give you the ability to

build upon past performance to model, forecast and simulate future events, with support for more complex variables enabling more accurate forecasts. Not only can you plan more effectively, but by understanding the anticipated impact of multiple factors, you can also take corrective or proactive action, where warranted.

**Statistical Analysis & Data Mining** – With extensive experience working with very large data warehouses, we help organizations extract insight, key trends and patterns, and additional segmentation from existing data. Agilex supports the end-to-end process – from data acquisition through scoring and evaluation – and can help clients develop statistical models for a number of applications, including fraud detection, credit risk analysis, churn and customer attrition, resource allocation and provisioning, and scientific discovery.

**Executive Dashboards & Performance Management** - We build intuitive, high-performance web applications for sharing key performance indicators with decision makers. By providing more universal access to existing business insight, we help organizations improve alignment and performance. And by providing the added ability to navigate, drill-down, and chart the data, we give users the flexibility needed to respond to evolving decision cycles.

**Data Visualization** – Agilex Interactive Visualization, our customizable data visualization, integrates data from different sources into a single display that quickly and effectively illustrates the 'big picture' hidden in reams of data and volumes of reports. As a result, decision makers can more readily and confidently assess the status of a thousand or more performance metrics in the context of their operational significance.

**Text Analytics** – Agilex Information Discovery uses Latent Semantic Indexing (LSI) to search for key concepts instead of just keywords. It locates relevant information more readily and precisely even when you're unsure of what you're looking for, and can uncover key trends and additional insight in millions of documents. Agilex Information Discovery is used to automate and improve key facets of intelligence monitoring and analysis, e-Discovery, record managements and bioinformatics research.

## About Agilex

Agilex is an employee-owned enterprise application, solution, and advisory firm. Our noteworthy business and technology professionals offer innovative thinking on leveraging advanced technologies. We make it possible for our clients to optimize systems and exploit data to realize the value of information. Headquartered in Chantilly, Virginia, Agilex has delivered significant results for an impressive list of clients throughout federal, state and local government, and within global 2000 corporations.

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