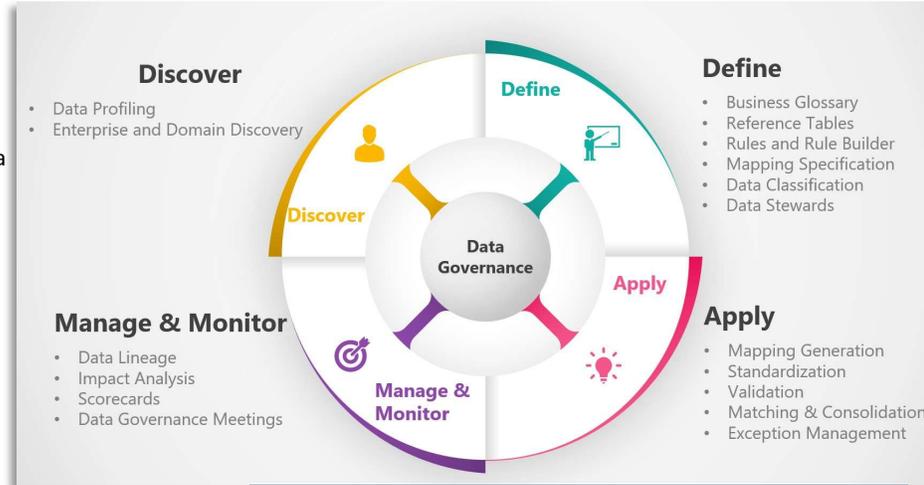# vtpmo

AI Data Solutions

VTPMO is the leader in AI data solutions and analytics with Agile and DevSecOps skills to provide you with the best ecosystem services with affordable rates.

AI Data Governance

We work with you during your data governance modernization, master data management, metadata, data classification, and data quality AI models, to:

- Identify data assets
- Establish a data stewardship process
- Understand the flow of data across enterprise
- Establish data standardization AI/ML rules
- Implement a master data management strategy
- Identify data regulations and security requirements
- Establish AI data models and data dictionaries

Discover
- Data Profiling
- Enterprise and Domain Discovery

Define
- Business Glossary
- Reference Tables
- Rules and Rule Builder
- Mapping Specification
- Data Classification
- Data Stewards

Data Governance

Apply
- Mapping Generation
- Standardization
- Validation
- Matching & Consolidation
- Exception Management

Manage & Monitor
- Data Lineage
- Impact Analysis
- Scorecards
- Data Governance Meetings

AI Data Analytics and Informatics

AI data analytics involves using artificial intelligence techniques to analyze and interpret complex data sets with speed, precision, and security. We work with you to perform services such as: Data Collection – Data Processing – Pattern Recognition – Predictive Analytics – Decision Support – Visualization – Security Classification.

Since 2004, we have been providing our clients with AI data solutions, Agile project management, staffing, and consulting services for the implementation of large-scale, multi-year, and multi-vendor Systems Modernization, Informatics, and Data Transformation projects. We have successfully implemented projects for Medicaid Enterprise Systems, including but not limited Enterprise Data Warehouse (*EDW*), AI Decision Support System (*ADSS*), Predictive Visual Analytics (*Data Science, AI, ML*), and Data Analytics and Reporting (*DAR*).

We work with you to manage and maintain the compliance with regulations, Service Level Agreement (SLA), and key performance indicators (KPIs).

We provide process improvement, change management, and Enterprise Agile DevSecOps delivery ecosystem framework to ensure high success rate with quality results, always.

Case Study

We collaborated with Optum, the State of Indiana (FSSA), and the State of Illinois (DHS) to modernize their Medicaid Management Information Systems (MMIS) and data infrastructure. Our key services included:

- **Agile Project Management**: Ensured efficient and flexible project execution from inception to delivery.
- **Change Management**: Facilitated smooth transitions and adoption of new systems.
- **Risk Management**: Identified and mitigated project risks.
- **ETL Development**: Streamlined data extraction, transformation, and loading processes.
- **Data Science, AI, and ML** for Predictive Analytics: Leveraged advanced analytics to forecast trends and outcomes.
- **Data Visualization Secure Portals**: Created secure, user-friendly portals for data visualization.
- **Data Classification**: Complied with NIST-800-53 and CMS requirements for data security.
- **Data Transformation**: Modernized the enterprise data warehouse with an AI-driven business rules engine.
- **Improved AI Data Governance Model**: Enhanced data governance and stewardship process.
- **AI Security Agents**: Protected data at rest with advanced AI security models.
- **CMS Certification Assistance**: Supported the certification process to meet CMS standards.