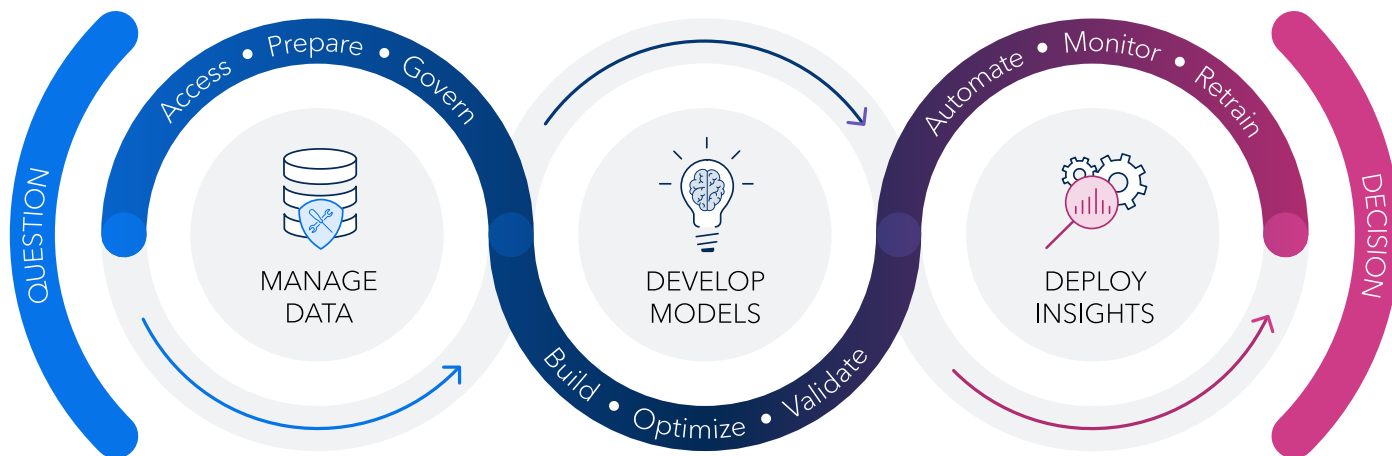


Trustworthy AI Across the Data and AI Life Cycle

A drive to create. A duty to care.



Data flows into and through an organization in numerous ways. If you're not vigilant, biases can build up along the way, leading to decisions that do more harm than good.

Tackle any data and AI challenge with robust data governance, transparent AI and secure ModelOps processes on the SAS Viya platform.

SAS Viya employs a trustworthy AI approach by injecting fairness and oversight at every step of the data and AI journey so you can generate outcomes that are ethical, equitable and sustainable.

Trustworthy AI Essentials

Trustworthy AI Life Cycle Workflow: Out-of-the-box workflow that reflects standards and best practices set by the AI Risk Management Framework defined by the National Institute of Standards and Technology (NIST) that helps embedding trustworthy AI practices within the data and AI life cycle.

Manage Data

Information Privacy: Learn if data contains potentially private information that could be linked to an individual.

Data Lineage: View data assets in the context of their sources and outputs and the relationships among them.

Data Masking & Data Suppression: Anonymize, mask and suppress values in a data set that could be used to infer sensitive information.

Synthetic Data Generation: Generate tabular synthetic data using generative adversarial networks (GANs) and synthetic minority oversampling technique (SMOTE).

Automated Data Exploration: Profile data automatically to find the most important inputs, identify suspicious variables and assess the distribution of features in the training data set.

Data Quality: Use data quality metrics to identify potential issues that may have unintended consequences during modeling.

Semantic Type Remediation: Correctly assigns semantic types and allows users to override automated assignments, thus promoting human oversight.

Develop Models

Model Interpretability: Understand the results of AI models with techniques like PD, ICE, LIME and HyperSHAP.

Fairness Assessment: Uncover potential differences in model performance and predictions for different groups to detect bias across sensitive variables.

Bias Mitigation: Proactively reduce biases by training models that are fair across sensitive variables.

Natural Language Insights: Automatically generate explanations of data and models written in a simple business language understood by any audience.

Deploy Insights

Model Monitoring: Automatically monitor deployed models to ensure they remain accurate, fair and relevant over time.

Model Governance: Govern all analytical assets in a centralized, searchable repository that ensures transparency, traceability and complete visibility into analytical processes.

Decision Accountability: Create, approve, annotate, deploy, generate reports and audit decisioning processes in a single visual interface.

Model Cards: A nutrition label for your models that showcases indicators of the health of your model from an accuracy, fairness and model drift perspective. (coming summer of 2024)

AI Governance

Implementing governance requires grounding in organizational values and integration with the culture. Because of this, governance efforts can look and feel different across organizations. When governance is done well, the benefits are fairly universal.

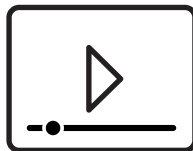
Unlock Productivity: Employees with distributed, values-based decision making capacity are more productive.

Improve Trust: Values-based commitments to stakeholders build trust through accountability.

Win & Keep Talent: Top talent wants responsible practices in place to ensure they are improving societies.

Drive Competitive Advantage: “Forward compliance” amid regulatory uncertainty adds market agility and the ability to leapfrog competitors.

Increase Brand Value: Customers care about the impacts to society and the environment for the brands they choose.



View trustworthy AI features [demos](#).

