



Accelerate Analytical development @ eu-LISA

Brecht Seifi
Lead Advisor European Institutions



Agenda



Irregular Migration Forecast



Why a Data and AI Platform?

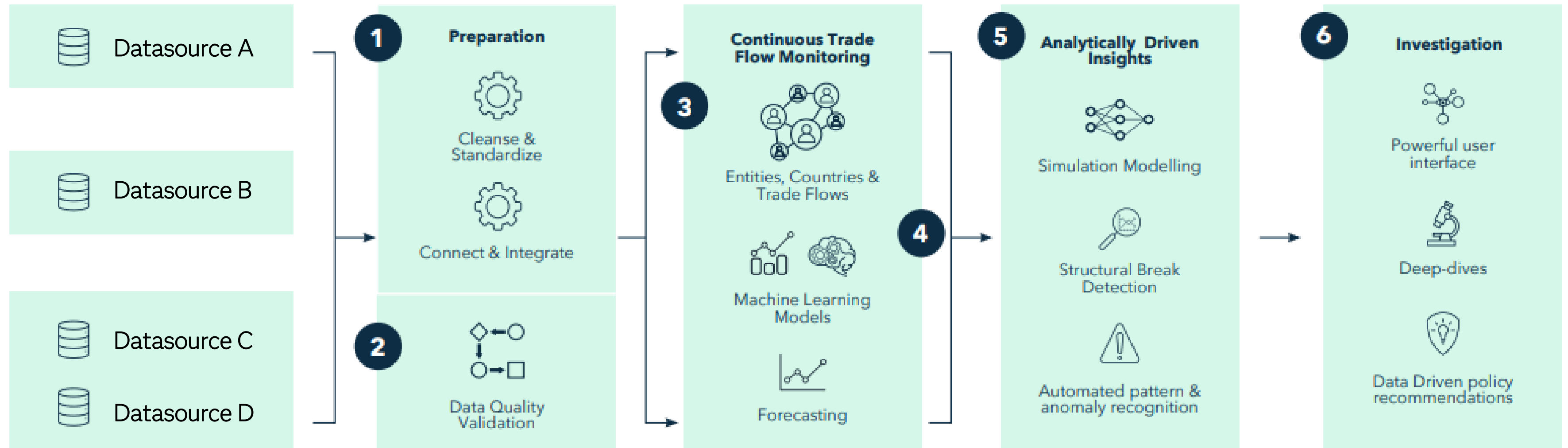


Enhancing Developers Productivity



Data Management, Model Development & Model Deployment

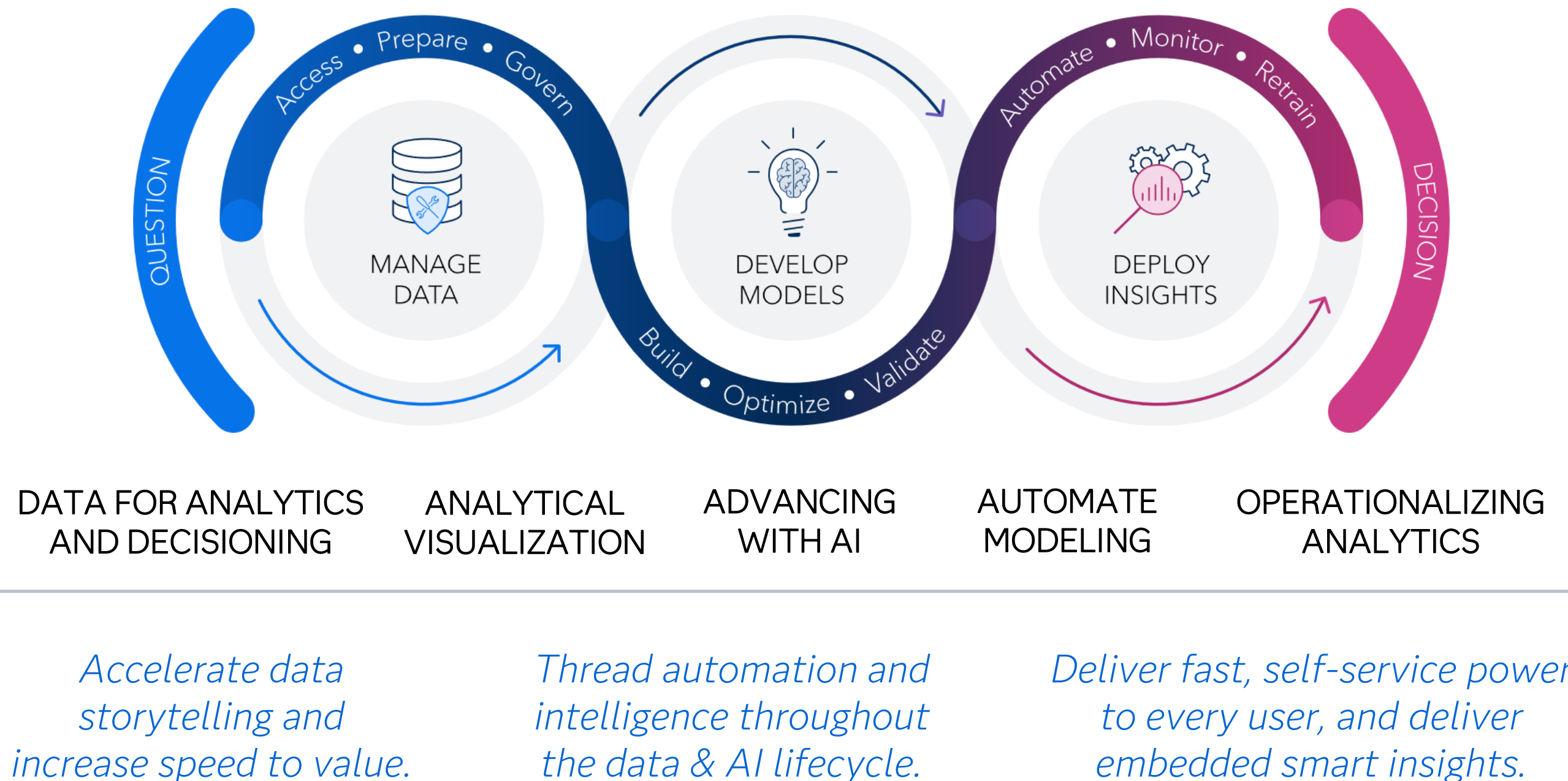
How SAS Supports EUIs from data to AI models in Production



Data & AI Platform?

Central Model repository

SAS Viya Connects All Aspects of the Data and AI Lifecycle



Get More Done With a Faster, More Productive Data and AI Platform

Productivity in Data & AI Life Cycle

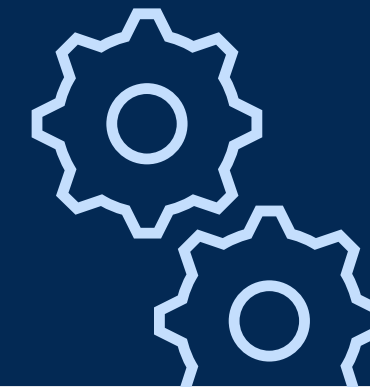
TIME

Measure of **engineering time** required to complete each task



COMPLEXITY

Measure of **difficulty** classified as High, Medium and Low





TIME



DATA AND AI LIFE CYCLE
Productivity Overview



End-to-End
Data and AI
Life Cycle

vs. Commercial

4.25x

more productive

vs. Non-Commercial

5x

more productive

Average

4.6x

more productive

DATA
ENGINEERS



16x

more productive

16x

more productive

16x

more productive

DATA
SCIENTISTS



3x

more productive

4x

more productive

3.5x

more productive

ML OPS
ENGINEERS



4.5x

more productive

4.5x

more productive

4.5x

more productive

Business Analyst Task Completion



Non-Commercial



Commercial



SAS Viya →

86% tasks completed with zero-coding requirements by Business Analysts

Key Findings

- **Intuitive low-code environment** for utilization by business analyst in SAS Viya enabled business analyst to perform 26 of 30 tasks.
- Complex programming skills and knowledge of data science libraries **limited a business analyst to perform similar tasks in competitive environments.**
- Auto-generated, natural language descriptions of visualizations and metrics **improved usability** for business analyst. This was not available in competitive platforms.

“ By **reducing the skillset required to complete key tasks** in the Data and AI Lifecycle, not only does SAS Viya unlock greater contributions from Business Analysts, it frees up time for expert resources to **focus on new innovations.**”

The Futurum Group

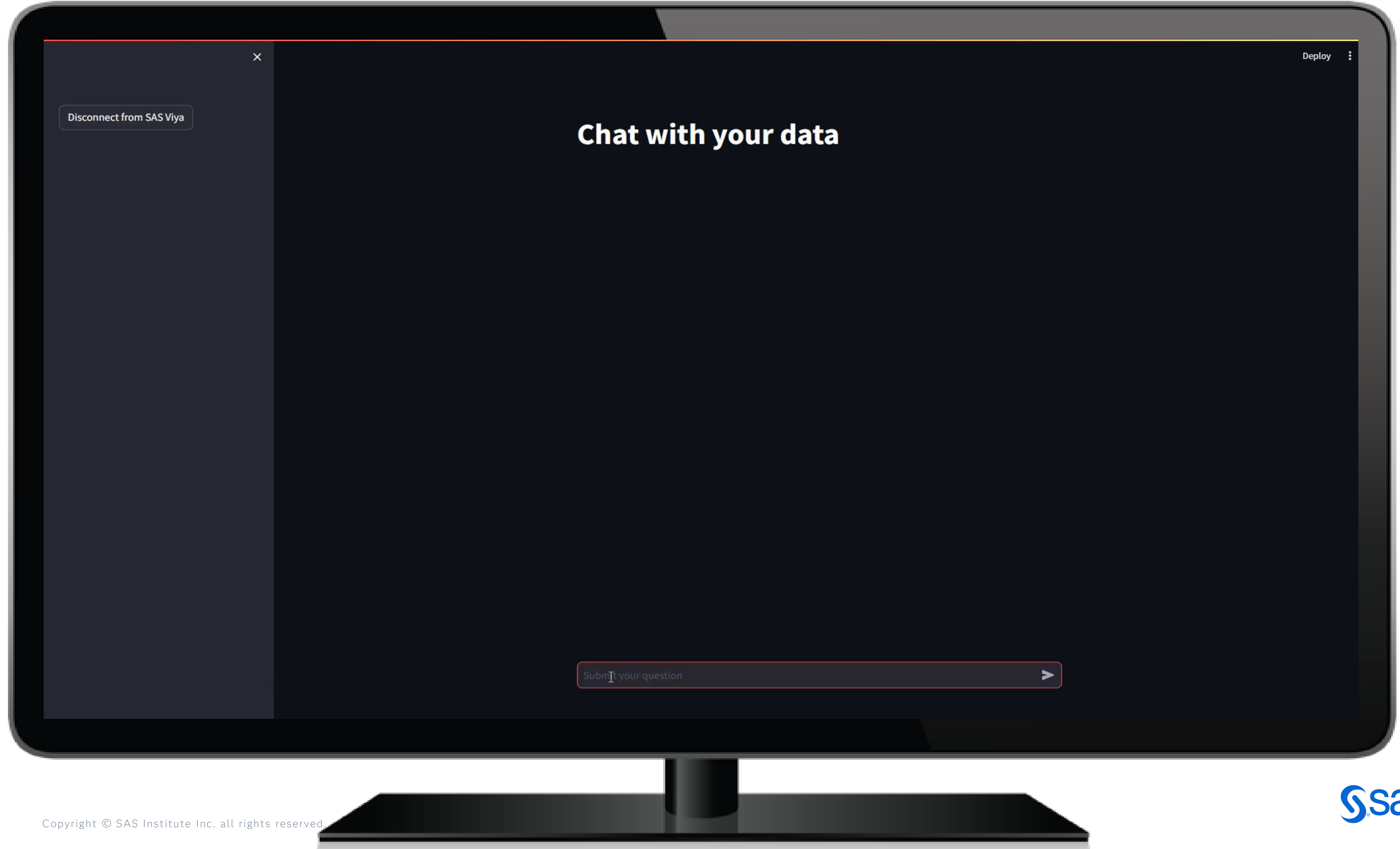
SAS Viya: An Open Platform for Data and AI

Providing Flexible Integrations Across the Data and AI Lifecycle



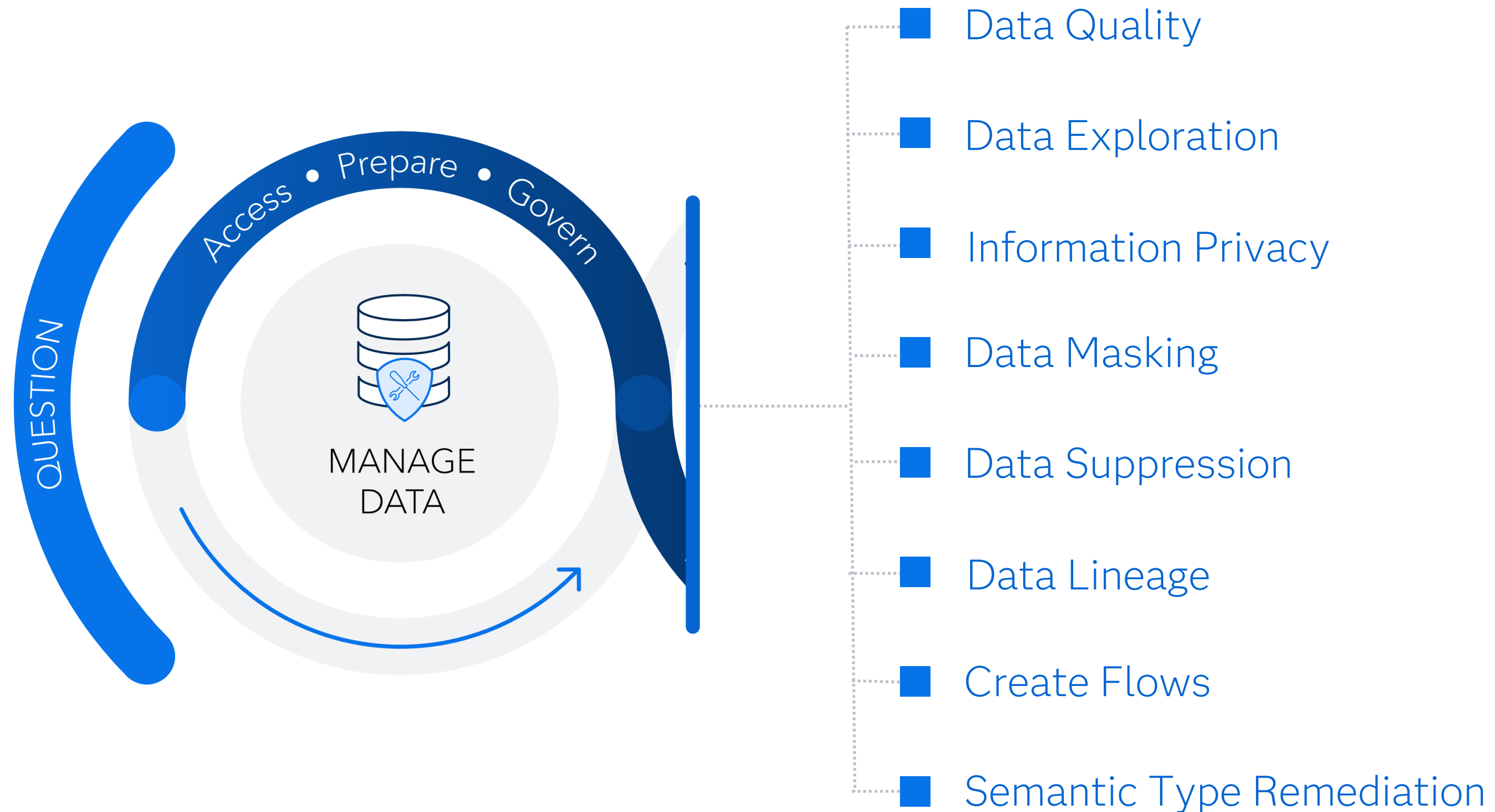
Enhancing Developers Productivity

SAS Co-pilot



Robust Data Governance

Trustworthy decisions depend on good data.

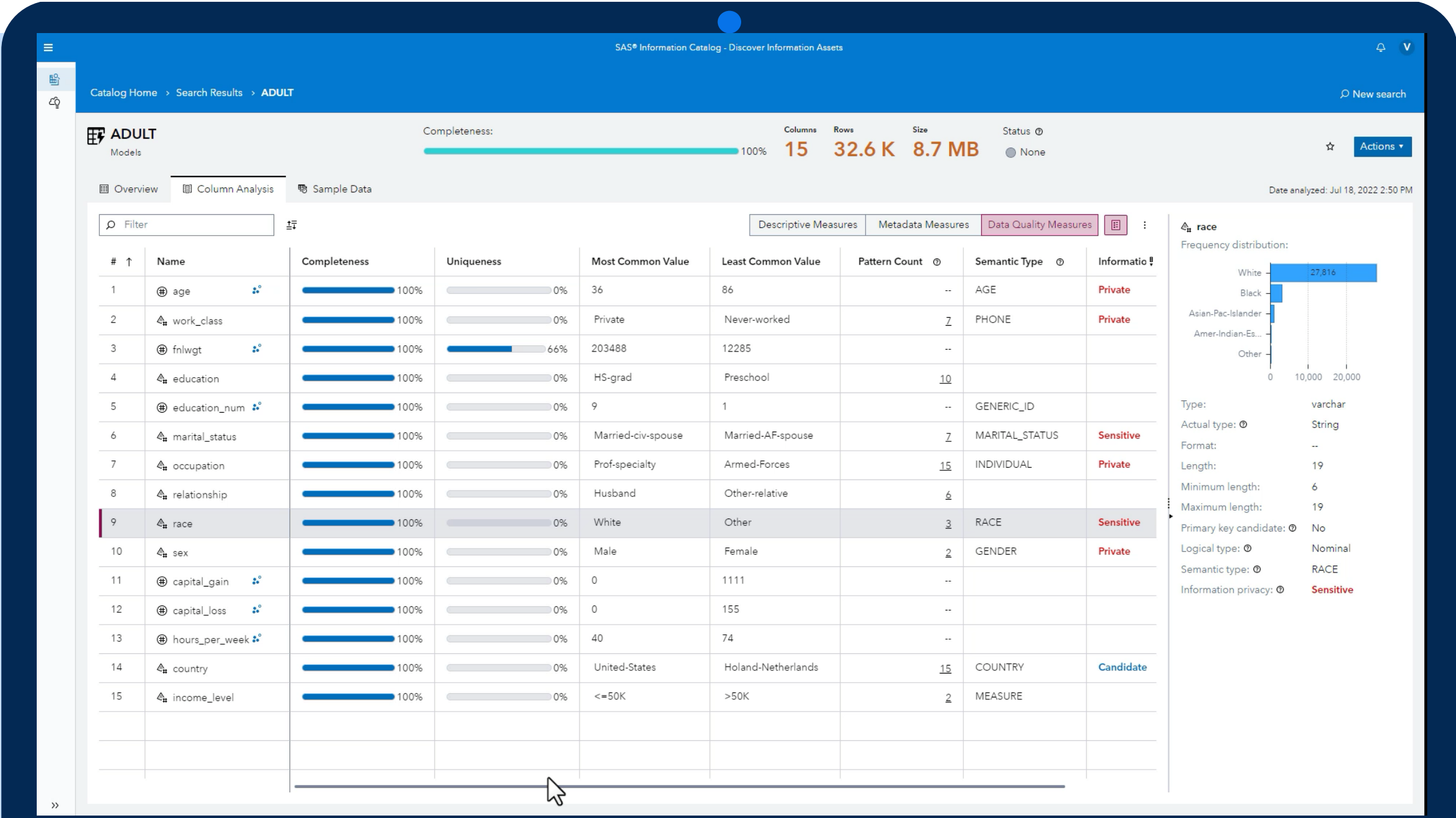


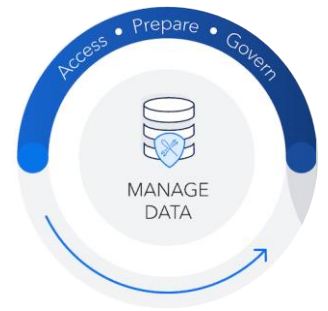


Data Quality

Robust Data Governance

Check potential data quality issues that may have unintended consequences during modeling

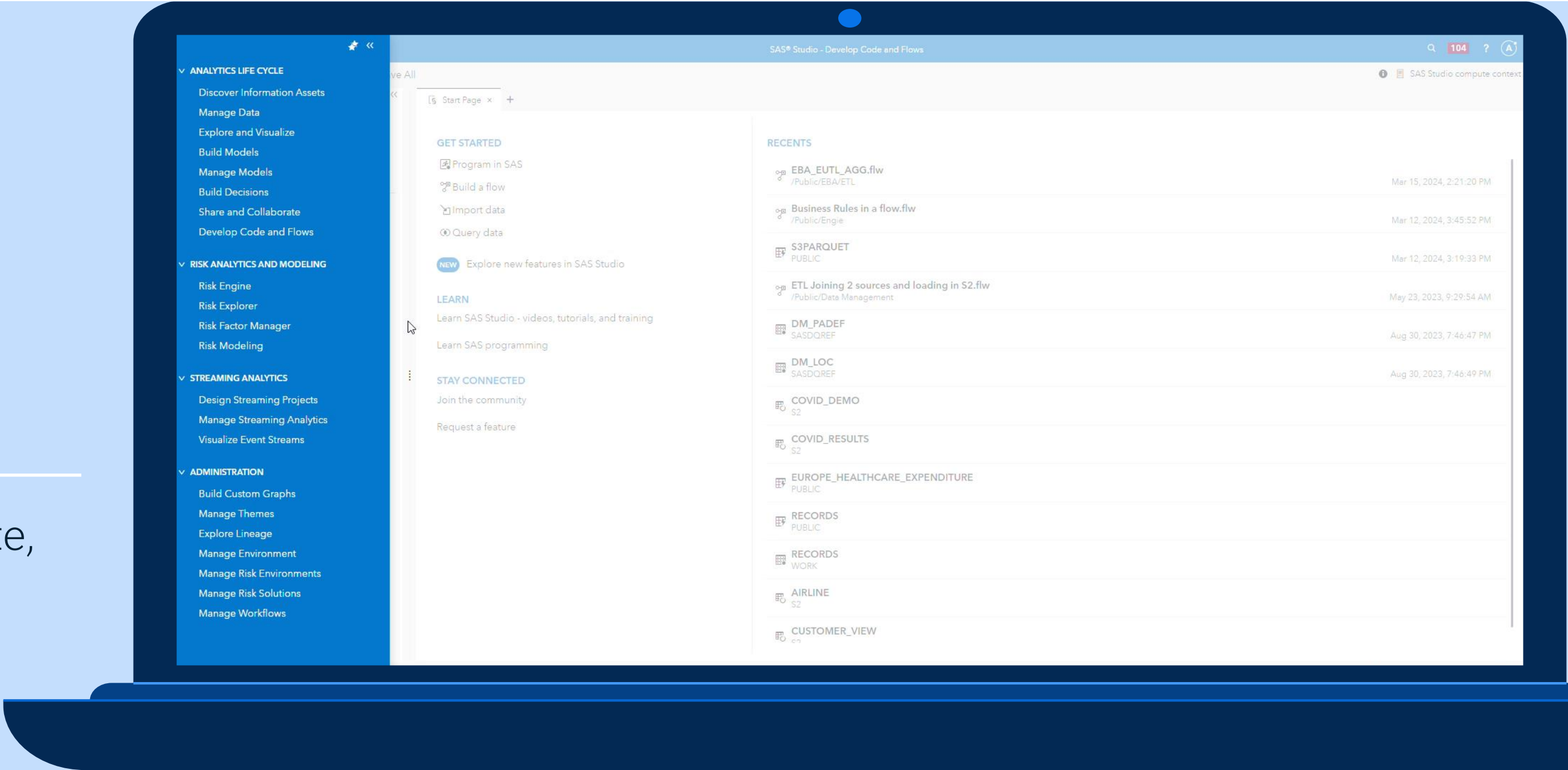




Create Flows

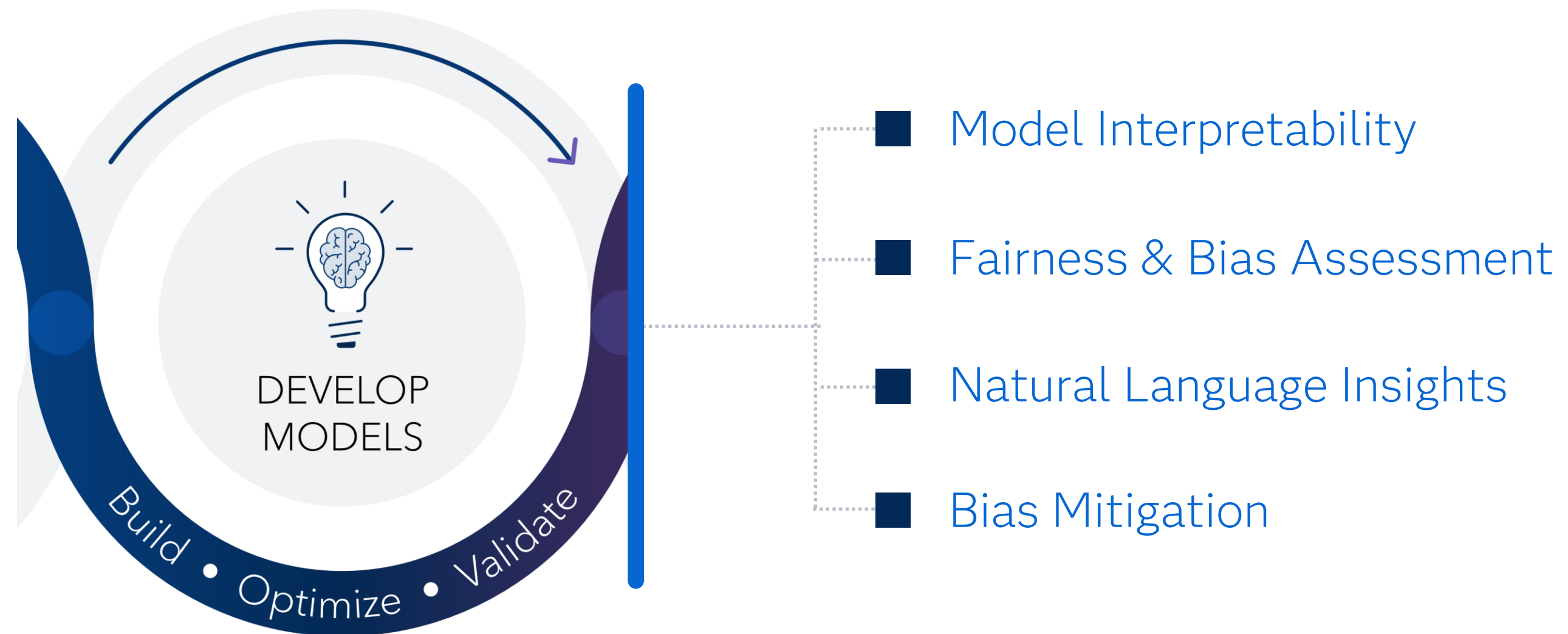
Low Code No Code

Access data, integrate, transform and get insights



Develop Models

AI comes with both risks and rewards.

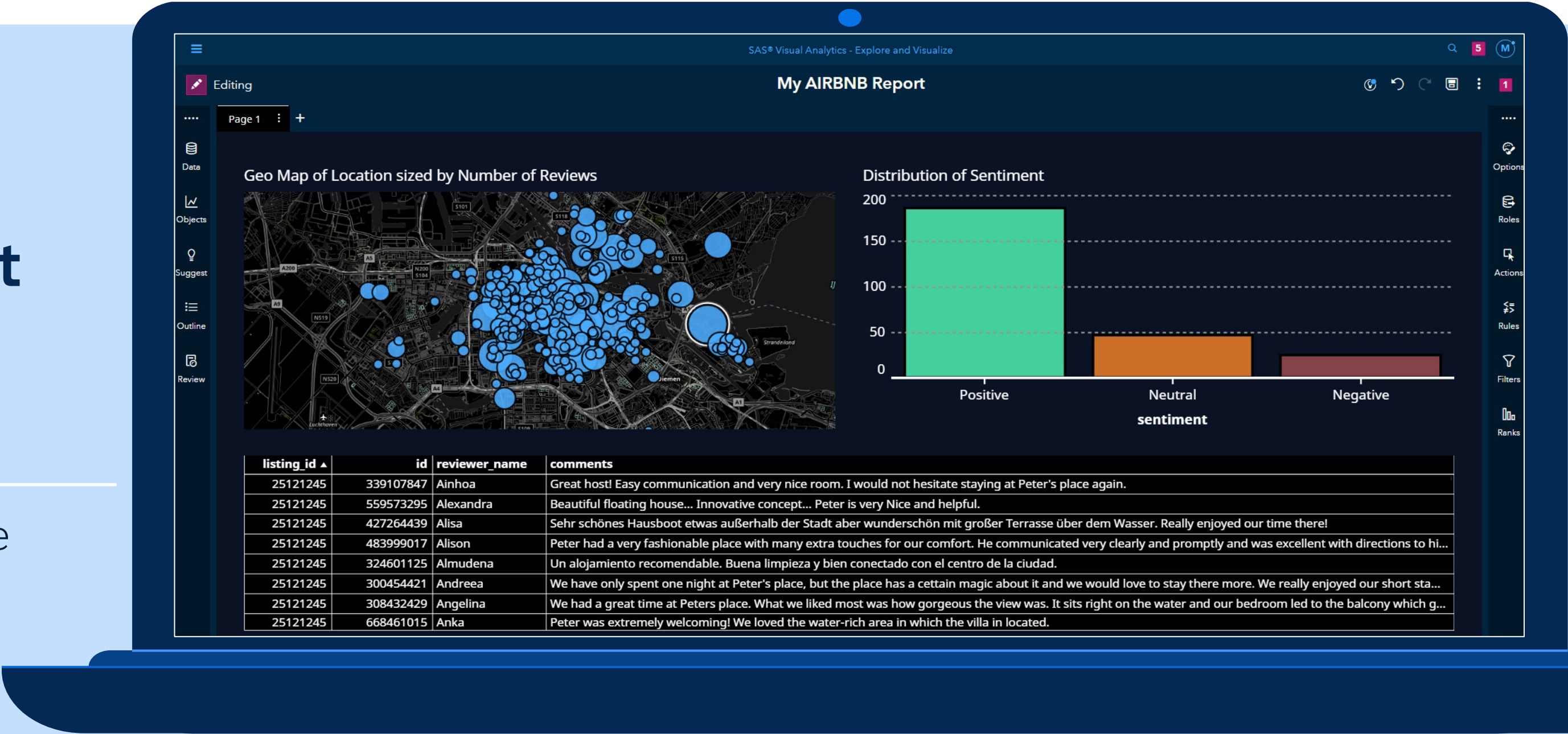




Model Development

Low code based

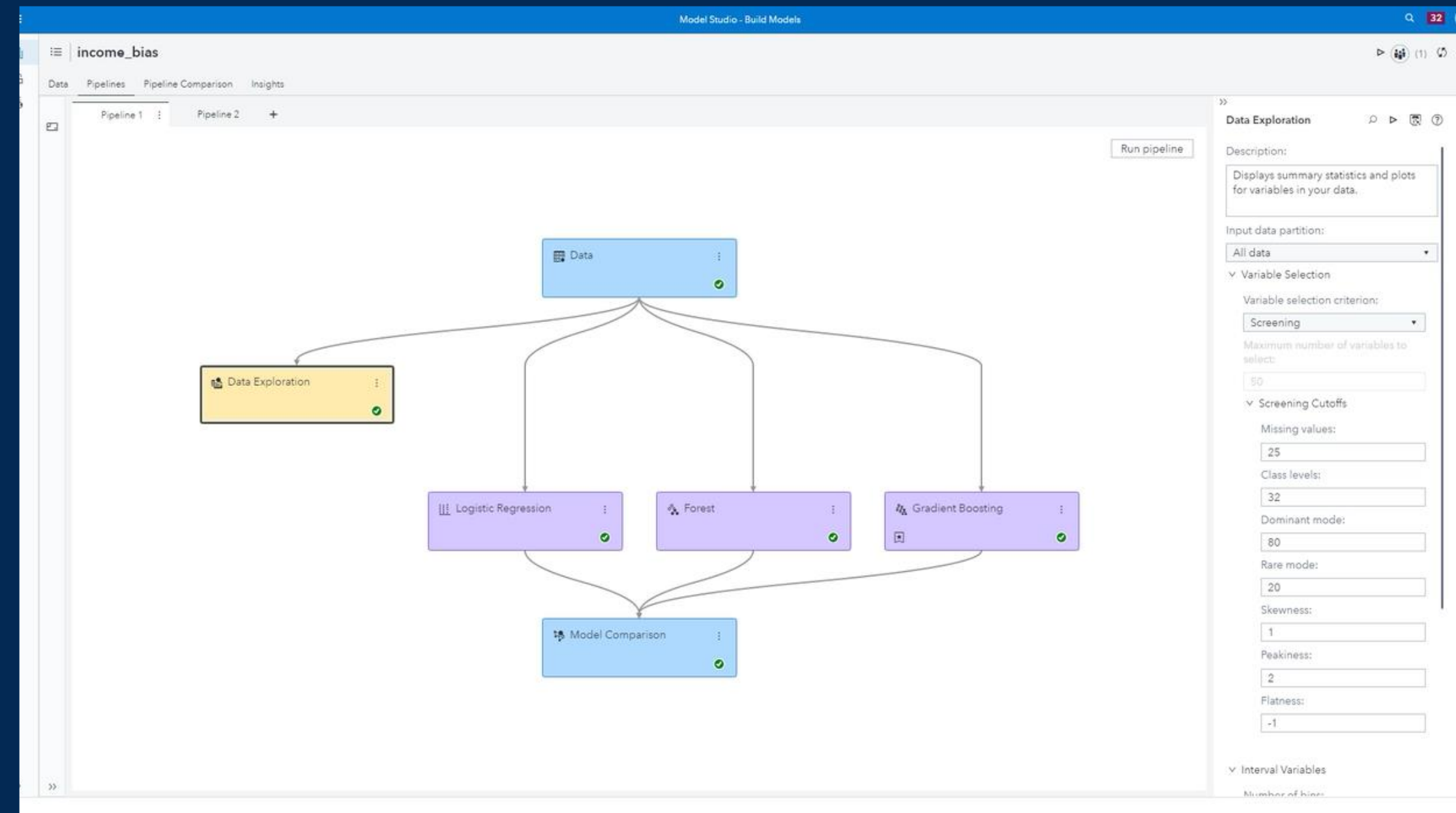
Quick time to value



Model Development

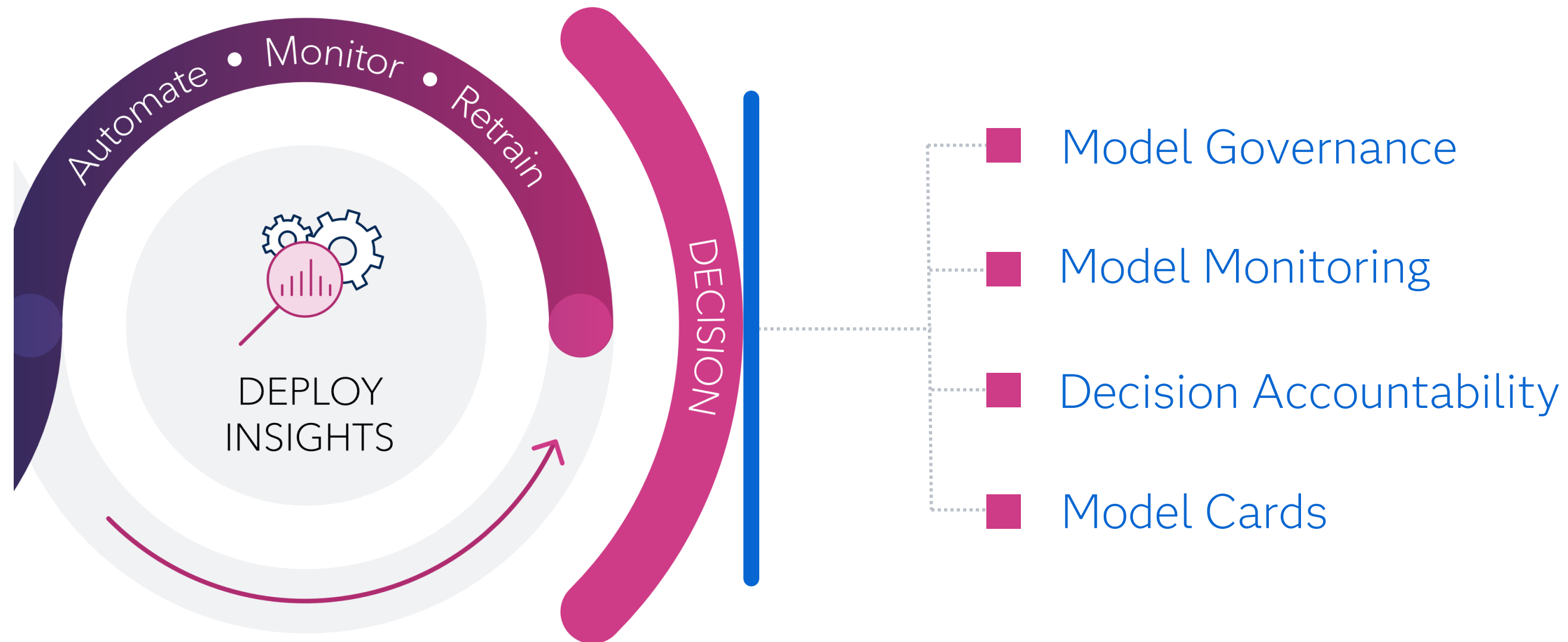
No Code based by using off-the-shelf models

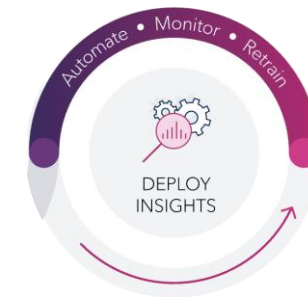
Quicker time to value for policy experts and analysts



Secure ModelOps Processes

Deploy model into production with confidence.

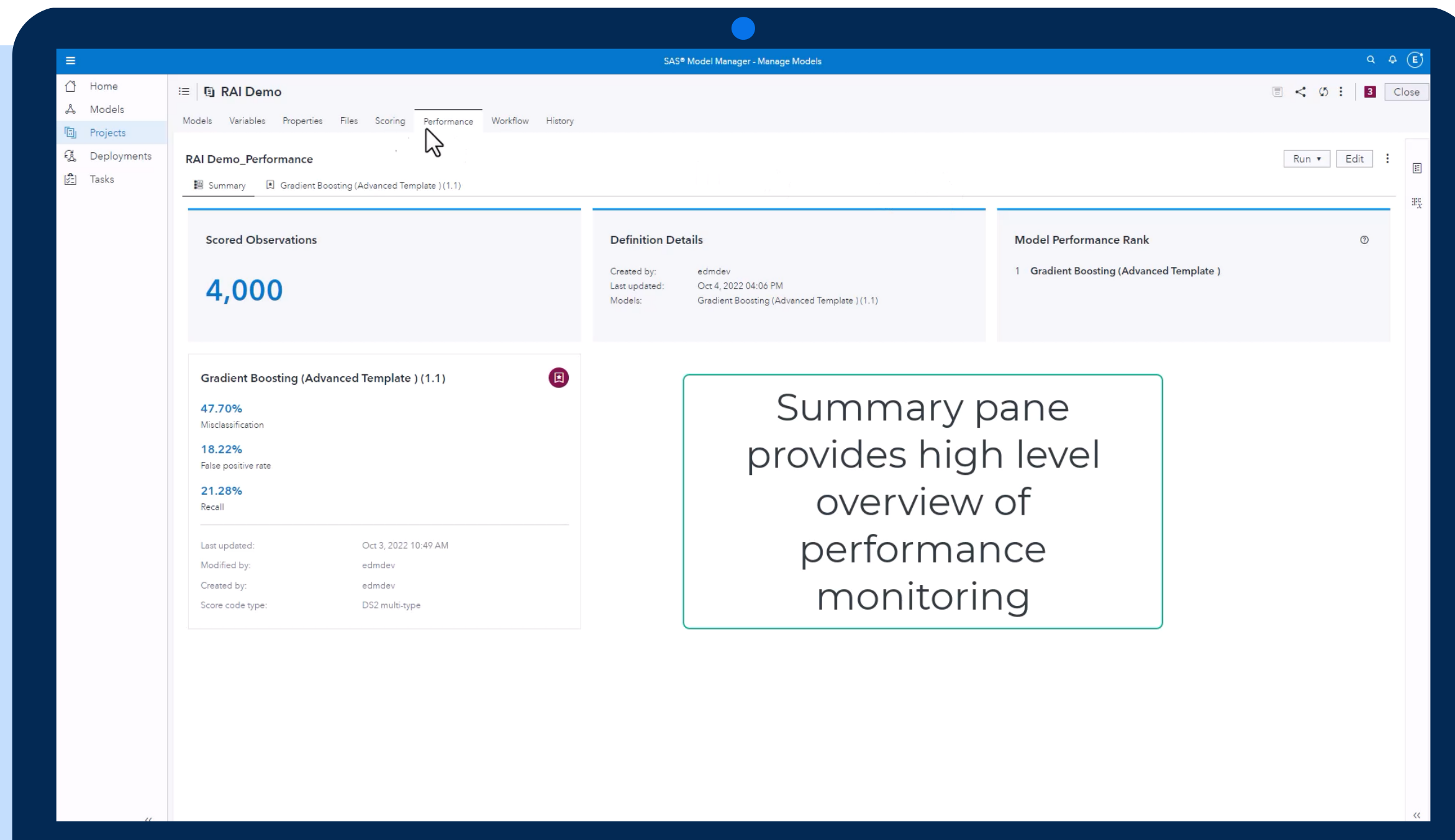


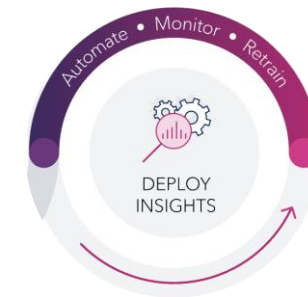


Model Monitoring

Secure ModelOps Processes

Monitor input variable distributions and output variable distributions



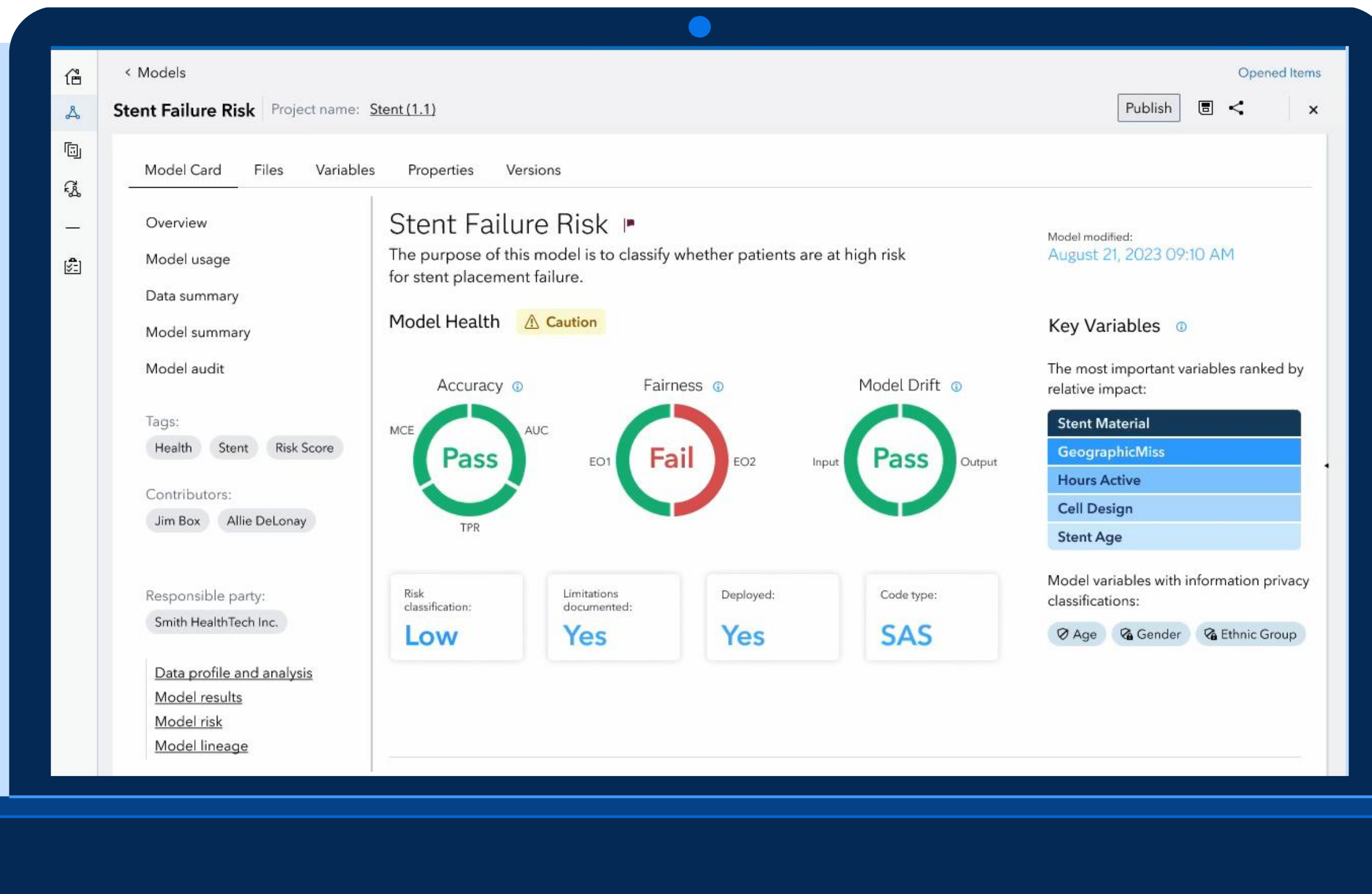


Model Cards

Secure ModelOps Processes

Nutrition label for your models

- Model Usage
- Data Summary
- Model Summary
- Model Audit



Thank You

Brecht Seifi

