

Accelerating Productivity

Understand how SAS Viya copilot helps users work more effectively across the analytics life cycle

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Agenda

01

What is SAS Viya Copilot and what does it do?

02

SAS Viya Copilot for model pipeline development

03

SAS Viya Copilot for code assistance

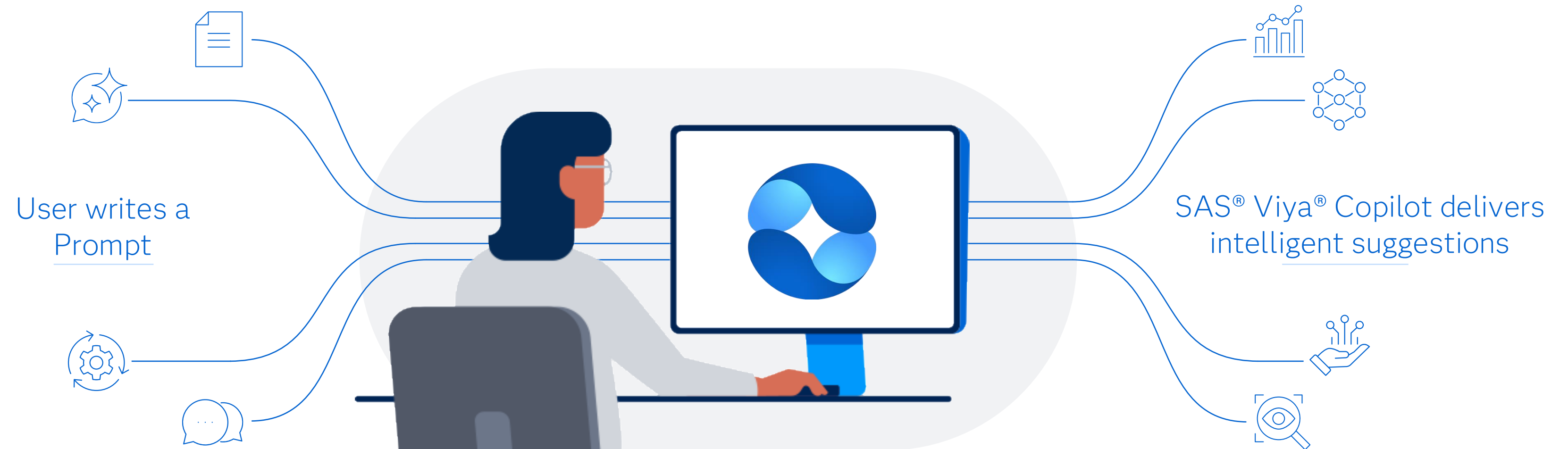
04

SAS Viya Copilot for augmented analytics

05

SAS Viya Copilot differentiation

SAS® Viya® Copilot



With the latest GenAI tech

Large Language Model
Microsoft Partnership

SAS® Viya®
Knowledge Base

Trustworthy
and Secure

SAS Model
Studio

SAS® Viya® Copilot for Data and AI assistance

**Supports
Multiple
Personas**



Statistical Programmer

Builds and refines SAS code using conversational prompts to automate modeling steps and optimize performance



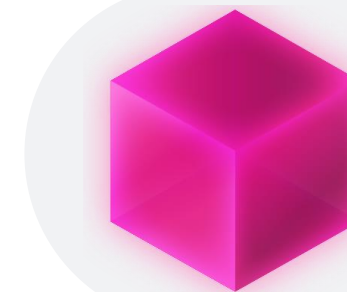
Business Analyst

Deploy, monitor, and govern models through guided workflows and performance diagnostics



Data Scientist

Accelerate experimentation and documentation with exploring data, feature engineering, and statistical analysis support and explain model results



For SAS Code Assistance



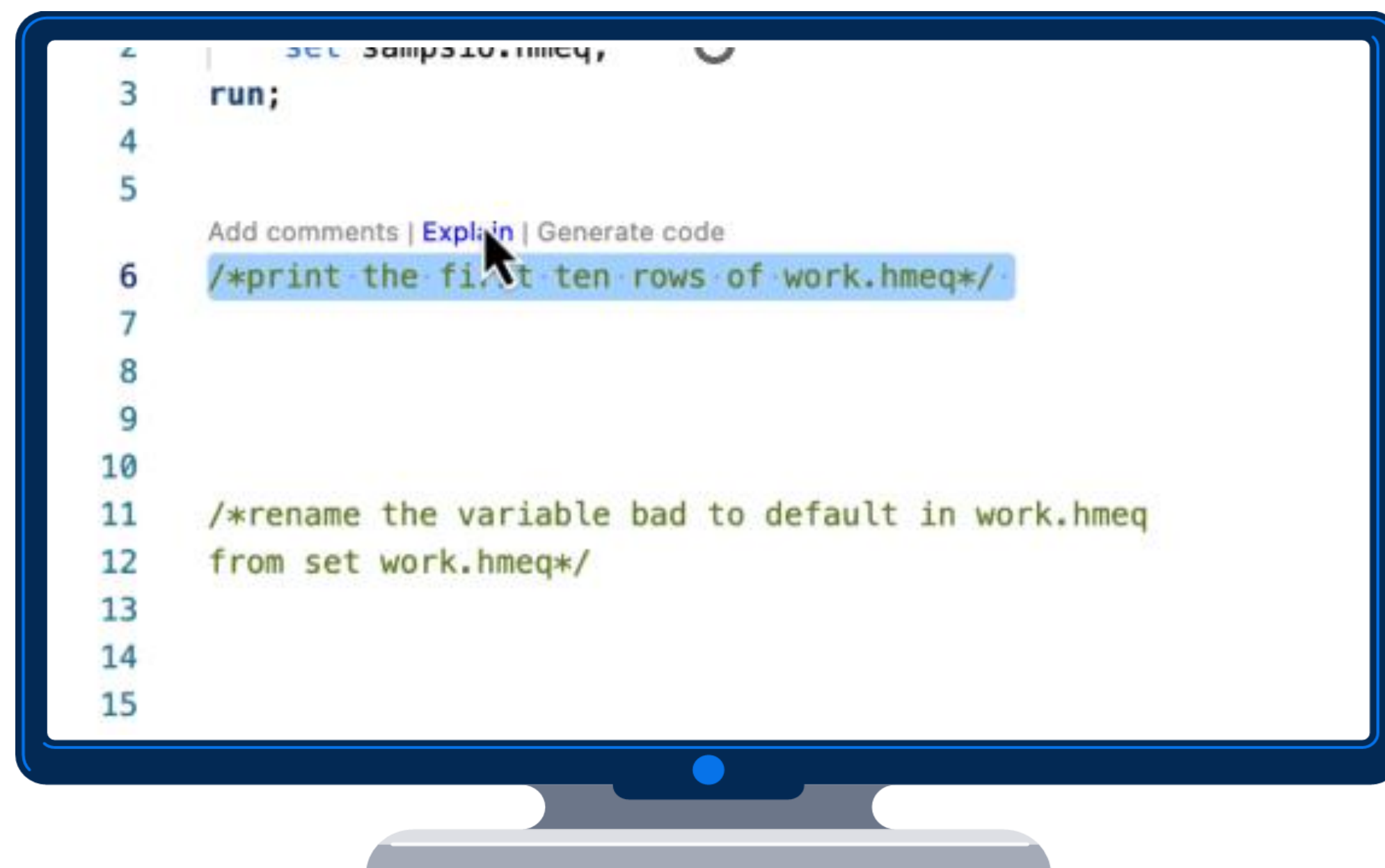
Generates SAS code with accuracy and consistency

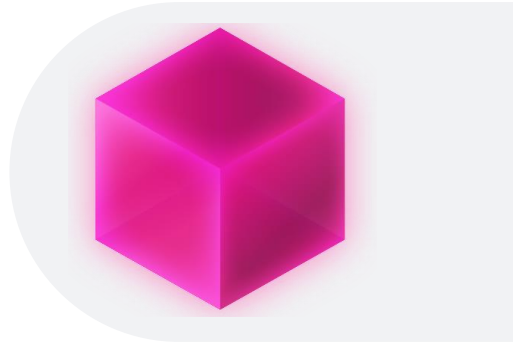


Explains existing SAS code, easily understand complex scripts



Generates comments of the code, for readability and documentation





Generate, document, and maintain SAS code with AI-driven precision

Input

**GENERATE
SAS CODE**

Plain English

Prompt written in plain English
Inside `/* */` + content code where
available

**EXPLAIN
SAS CODE**

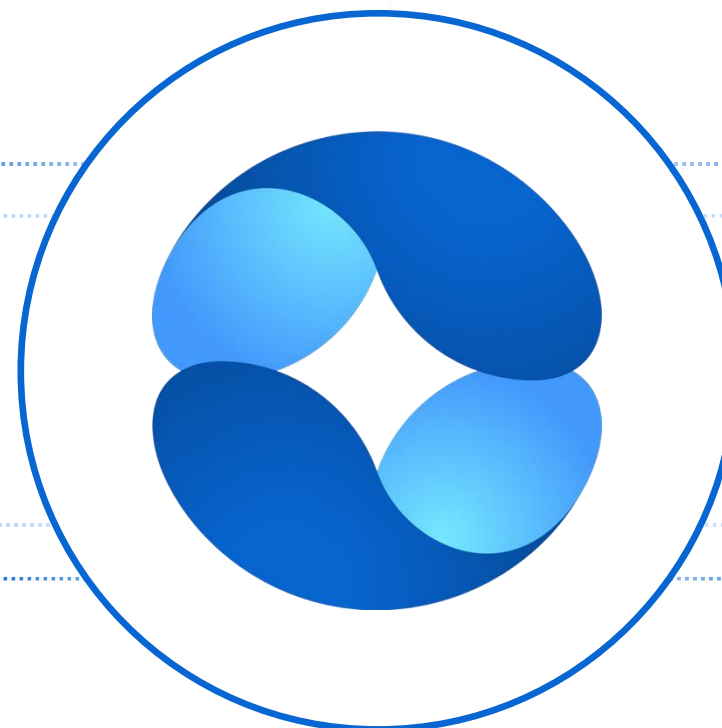
SAS Code

SAS Code (may include inline
comments)

**ADD
COMMENTS**

Add Comments

SAS Code (may include
inline comments)



Output

SAS Code
SAS code in Editor Window

**GENERATE
SAS CODE**

Plain English
English Explanation in
Conversation Window

**EXPLAIN
SAS CODE**

SAS Comments
English inline comments in
Editor Window

**ADD
COMMENTS**

Examples of how you can get started



Developer

**GENERATE
SAS CODE**

GOAL

Accelerates experimentation and documentation with code generation, feature engineering, and statistical analysis support

PROMPTS

Generate code to preview data set
"Print the first 10 rows of dataset"

Generate code to understand your data
"Provide statistical descriptors of the dataset"

Examples of how you can get started



Developer

**GENERATE
SAS CODE**

GOAL

Accelerates experimentation and documentation with code generation, feature engineering, and statistical analysis support

PROMPTS

Generate code to build a model

"Use a random forest to predict X using Y and Z in dataset with 20% of the data reserve for a validation set."

Generate code to run a model

"Perform logistic regression to predict X using Y and Z in dataset"

Examples of how you can get started



Developer

EXPLAIN
SAS CODE

ADD
COMMENTS

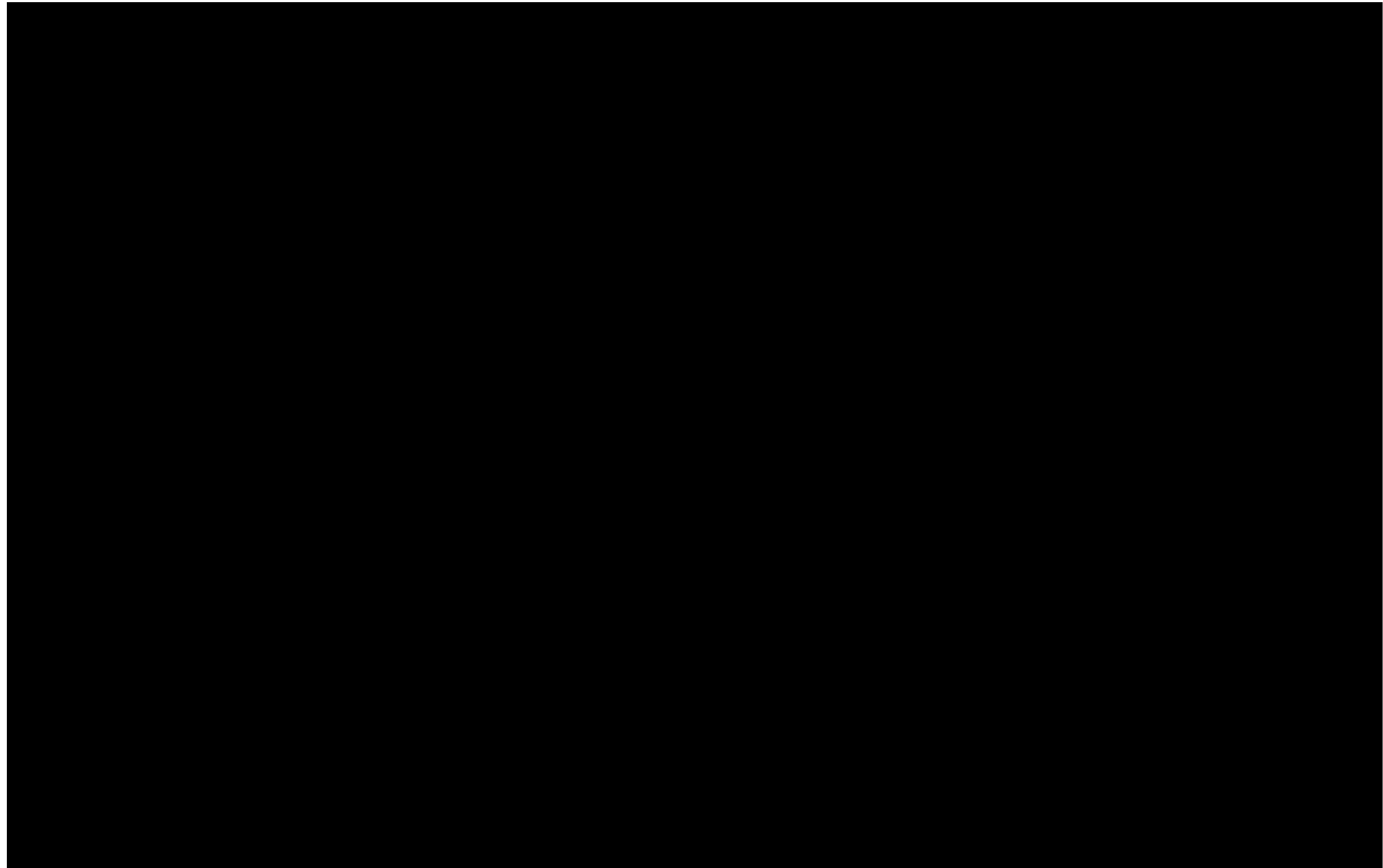
GOAL

Accelerates experimentation and documentation with code generation, feature engineering, and statistical analysis support

PROMPTS

Get detailed explanations of code
"Explain this code to me"

Generate detailed in-line notes
"Create notes for each line of code"



SAS Viya Copilot®

For faster model pipeline development



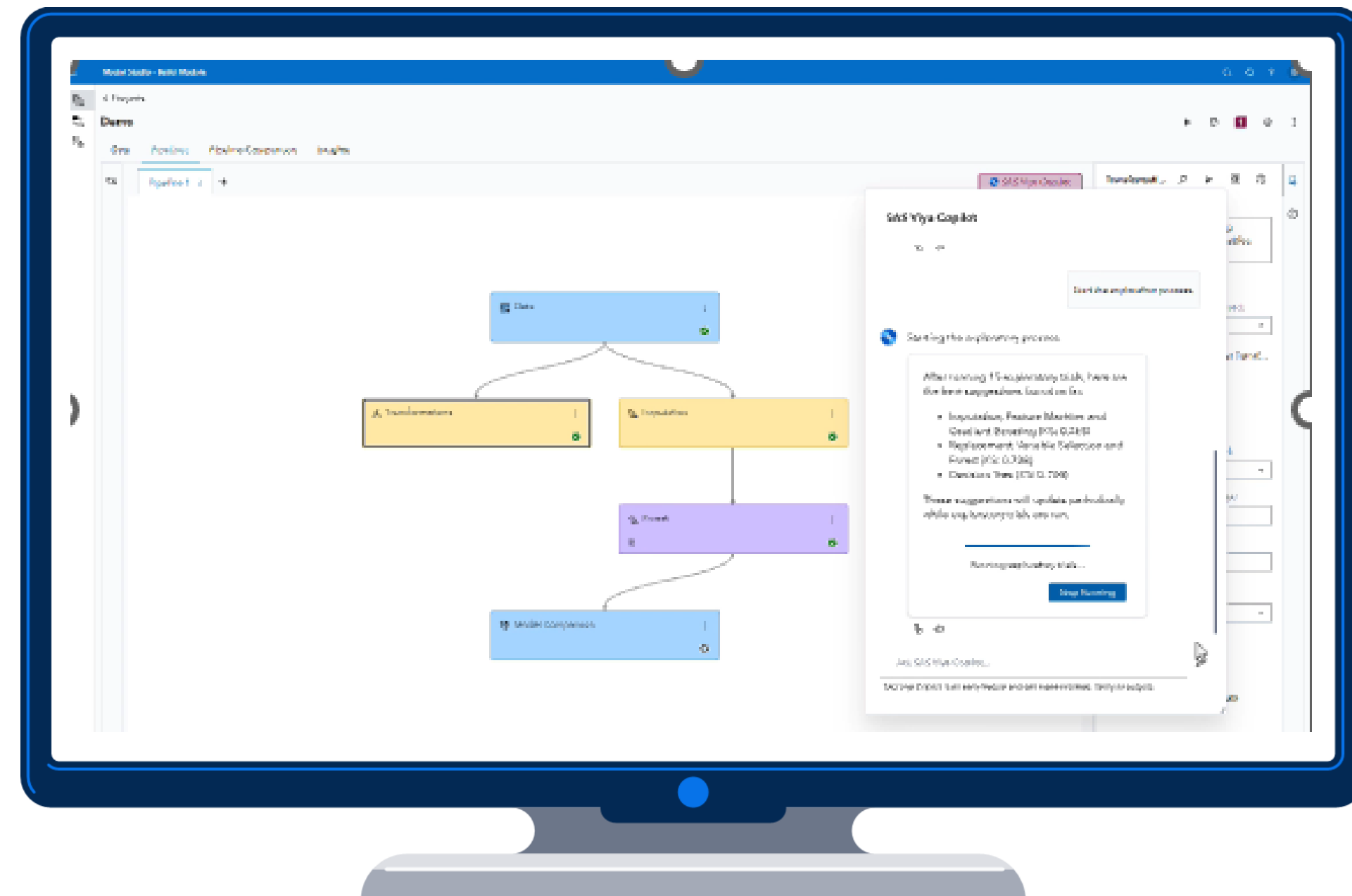
AI-assisted model building, for more productive AI/ML

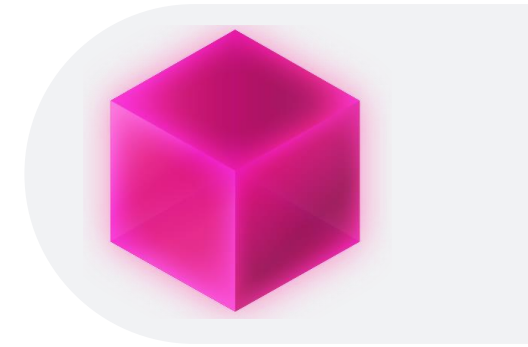


Provide intelligent suggestions on the next best step



Recommend precision-focused model improvements





For faster model pipeline development



Detailed explanations of methods and options



Next node suggestions for building a pipeline



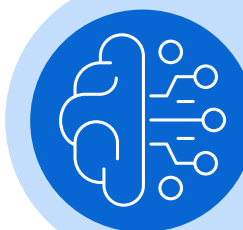
Suggestions for improving existing nodes



Explanation and interpretation of output and results



INFORMED EXPLANATIONS



INTELLIGENT SUGGESTIONS



ONE-CLICK IMPLEMENTATION

SAS Viya Copilot®

Coming Soon

For Augmented Analytics



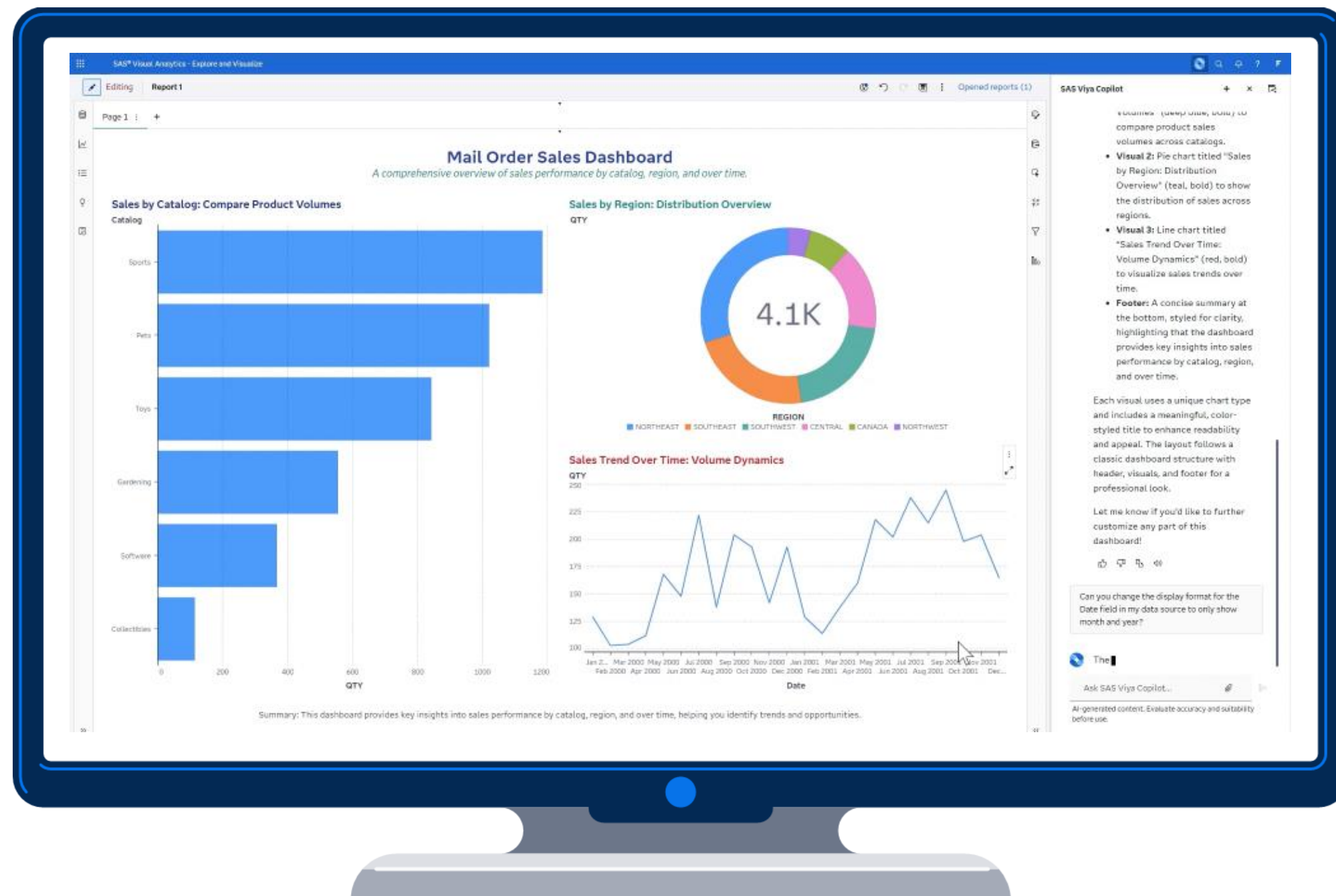
Augment data manipulation with context-aware generative AI



Generate interactive and intuitive dashboards with AI

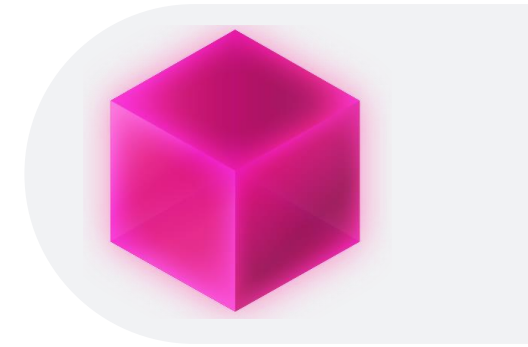


Uncover insights faster with AI generated explanations



SAS Viya Copilot®

Coming Soon



For Augmented Analytics

Intelligent Insights



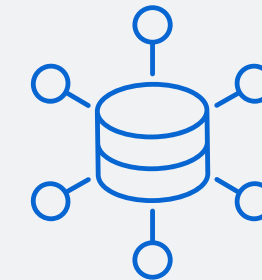
- ✓ Natural language Q&A
- ✓ Automated model building and explanation
- ✓ Prompt-based calculations

Dynamic Visual Design



- ✓ Dynamic reports creation
- ✓ AI-assisted visual optimization
- ✓ Automated layout management

Data Integration



- ✓ Intelligent data integration
- ✓ Data pane customization
- ✓ AI-assisted data storytelling

Differentiation



Confidence & Compliance LLM's output (e.g., generated code, report summaries) is executed and validated within the governed environment of SAS Viya



Specialized analytical productivity Speed up data and AI lifecycle with context aware suggestions on generating specialized SAS code and complex model pipelines



Democratize AI for all skill levels. Natural language interface makes complex SAS functionality accessible to citizen data scientists who may not be expert coders.



Seamless integration SAS-Microsoft partnership simplifies IT architecture, making deployment, scaling, and maintenance simpler and more efficient.



Enhanced security and lower risk Sensitive data remains within controlled Microsoft Azure boundary, mitigating data privacy and security risks

Thanks