Ask the Expert

Why Do I Need SAS Intelligent Decisioning and SAS Model Manager to Achieve Analytics Success?

Crystal Baker, Senior Associate Solutions Architect Sophia Rowland, Senior Product Manager

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Crystal Baker Senior Associate Solution Architect

As a member of the Global Technology Practice at SAS, Crystal advises on decisioning topics, specializing in decisionmaking processes, AI and Analytics-driven decisions, Responsible AI, and Model Management. Crystal's professional journey includes prior roles working on practical analytic and data science projects using open-source technologies. In this capacity, Crystal brings a wealth of experience to the forefront, ensuring a nuanced understanding of decisioning and analytics.





Sophia Rowland Senior Product Manager

Sophia Rowland works on ModelOps and MLOps at SAS. Previously, she was a systems engineer focusing on data science and ModelOps applications for the financial services industry. She has been a speaker at All Things Open and SAS Explore and has written blogs and articles for Open Data Science, SAS Communities and the SAS Data Science Blog.

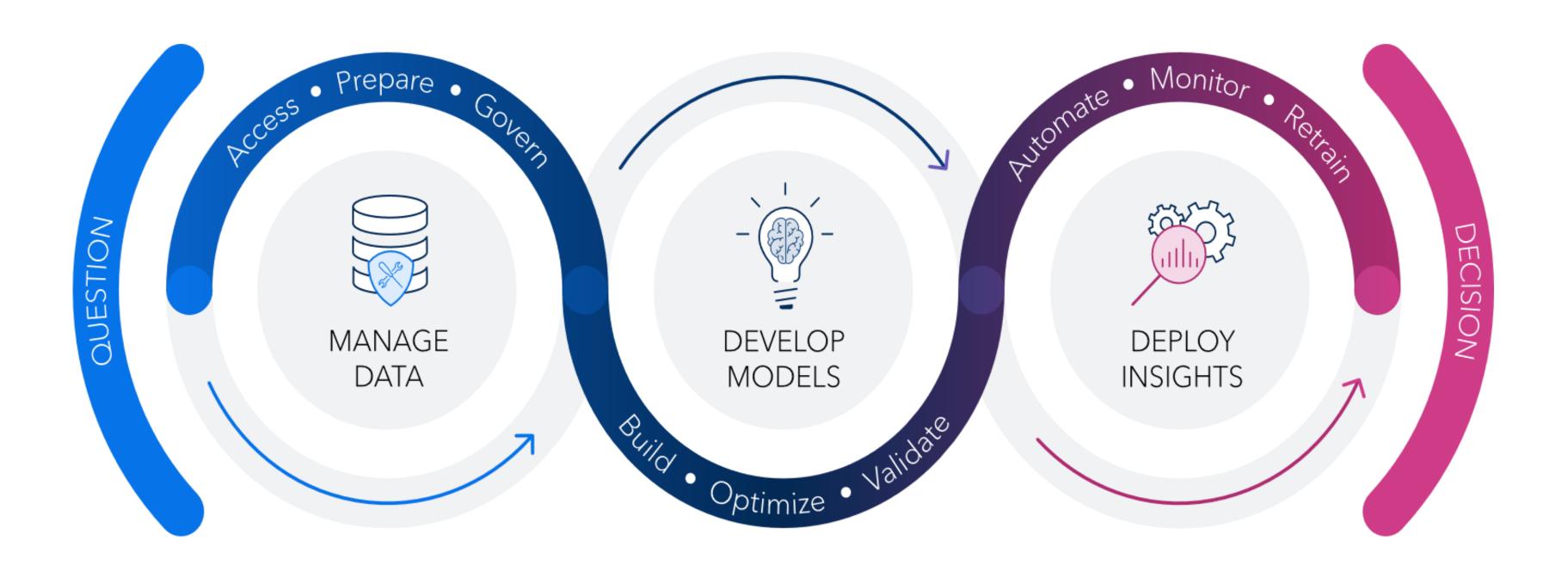


Why Do I Need SAS Intelligent Decisioning and SAS Model Manager to Achieve Analytics Success? Ask the Expert Webinar Series

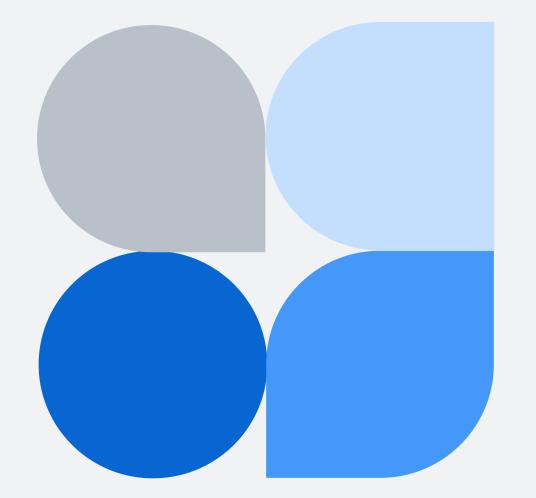
Crystal Baker, Senior Associate Solutions Architect, SAS Sophia Rowland, Senior Product Manager, SAS



AI & Analytics Lifecycle







Deploy Insights Challenges

8Mo.
Average time Models

• 42%
Of Data Scientis decision makers

50%
Of analytical production

Average time to deploy AI-based

Of Data Scientists models aren't used by decision makers

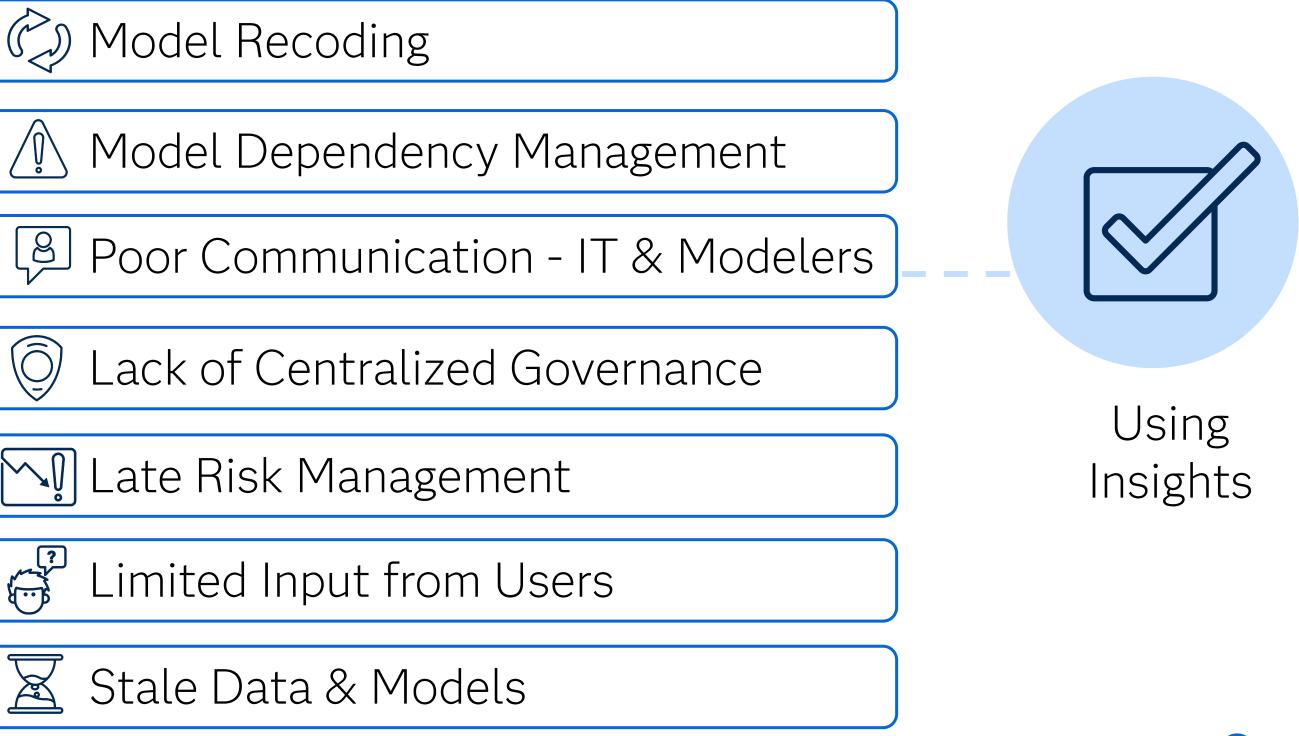
Of analytical models fail to deploy into



Where is the Disconnect?



Finding Insights







The winning combination of ModelOps with Decisioning

Govern models in a unified repository Orchestrate among models using standardized decision flow Deploy decisions in minutes

Monitor models & data for decay

Build no-code rules



The winning combination of ModelOps with Decisioning

SAS Model Manager

ModelOps & MLOps

- Unified model repository
- Test models prior to production
- Deploy models in minutes
- Monitor models for decay
- Governed automation

SAS Intelligent Decisioning

Decisioning

- production

Incorporate, orchestrate, and segment multiple models. Build no-code rules Test decisions prior to Deploy decisions in minutes



The winning combination of ModelOps with Decisioning

SAS Model Manager

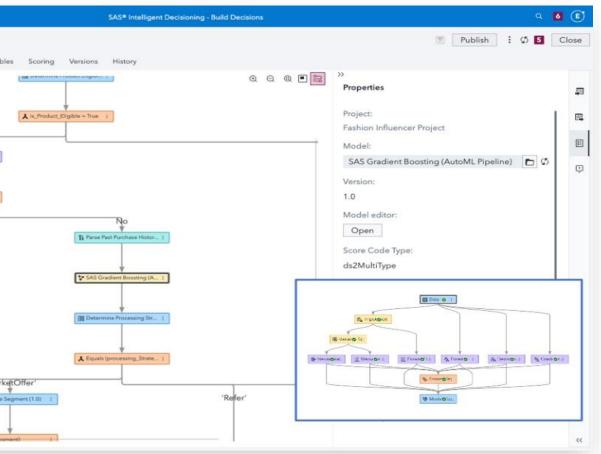
Manages ML & AI Models

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월 Deployments 월 Tasks			Name	Role	Project (Version)	Model Function	Tags	Algorithm	Date Created 1	Date Modified
	Total Number of Models		Forest(Pipeline 1)		Predicting Diabetes (I	Classification	DS2 multi-type	Forest	May 3, 2021 09:53 PM	May 3, 2021 09:53 PM
			Concepts		Drug Report Anxiety a	Text extraction	DS2 multi-type	Rule-based	May 4, 2021 02:07 PM	May 4, 2021 02:07 PM
	125 125 Published Models		Sentiment		Drug Report Anxiety a	Text sentiment	DS2 multi-type	Rule-based	May 4, 2021 02:07 PM	May 4, 2021 02:07 PM
			Topics		Drug Report Anxiety a	Text topics	DS2 multi-type	SVD	May 4, 2021 02:35 PM	May 4, 2021 02:35 PM
	Models per Score Code Type		Categories		Drug Report Anxiety a	Text categories	DS2 multi-type	Rule-based	May 4, 2021 02:55 PM	May 4, 2021 02:55 PM
	912 Total		Decision Tree (55733b66-d			Classification	DATA step	Decision tree	May 5, 2021 01:46 AM	May 5, 2021 01:46 AM
			Categories		Drug Report Anxiety a	Text categories	Published DS2 multi-type	Rule-based	May 5, 2021 01:34 PM	May 6, 2021 02:35 PM
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			Decision Tree (Pipeline 2)		Identify Influencers 1,	Classification	DATA step	Decision tree	May 6, 2021 08:27 AM	May 6, 2021 08:27 AM
			Decision Tree (Pipeline 1)		HMEQ_snlidl, Version	Classification	Published DATA step	Decision tree	May 6, 2021 10:02 AM	Apr 22, 2022 08:15 AM
			Open Source Code (Pipelin		open source, Version	Classification		opensrc	May 6, 2021 03:56 PM	May 6, 2021 03:56 PM
	Published Models per Destination		Decision Tree (1) (f4e85064			Classification	DATA step	Decision tree	May 7, 2021 05:00 AM	May 7, 2021 05:00 AM
			Python Forest Intervals Only		HMEQ_OS, Version 1 (Classification		opensrc	May 7, 2021 09:23 AM	May 7, 2021 09:23 AM
			Python Forest Intervals Only		HMEQ_OS, Version 1 (Classification		opensrc	May 7, 2021 09:55 AM	May 7, 2021 11:25 AM
			Python Forest Intervals Only		RETAIL Customers In	Classification		opensrc	May 7, 2021 10:22 AM	May 7, 2021 10:22 AM
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			Forest with light transformat	•	RETAIL Customers In	Classification	DS2 multi-type	Forest	May 10, 2021 10:53 AM	May 10, 2021 10:55 AM
			Forest with VarReduce (Cus		RETAIL Customers In	Classification	DS2 multi-type	Forest	May 10, 2021 11:04 AM	May 10, 2021 11:04 AM
			Gradient Boosting (Interacti		Interactive Project, Ver	Classification	DS2 multi-type	Gradient boosting	May 11, 2021 10:04 PM	May 11, 2021 10:04 PM
			HMEQ_DT_Python			Classification	DS2 package	Decision Tree	May 13, 2021 01:42 PM	May 13, 2021 01:42 PM

SAS Intelligent Decisioning

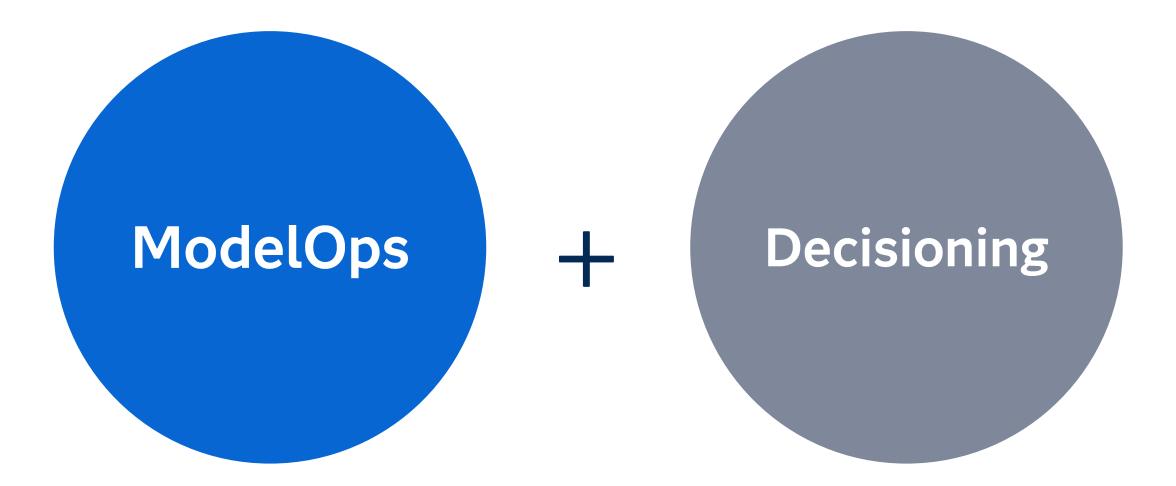
Orchestrates ML & AI Models with Business Logic

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The winning combination of ModelOps with Decisioning



SAS Viya moves beyond analytics to the deployment of actionable decision flows

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Analytics Success



Demonstration

The winning combination of ModelOps with Decisioning



- In SAS Model Manager, our MLOps Engineer will demonstrate:
 - Model Registration & Governance
 - Model Testing
 - Model Monitoring
- In SAS Intelligence Decisioning, our Decision Analyst will demonstrate:
 - Rule Building & Code Support
 - AI & ML Model Orchestration
 - Deployment
- How SAS Viya support collaboration among enterprise teams to build AI & Analytics systems



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sas innovate 2024

Thank You!

What remaining questions do you have?

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