

SAS Viya Workbench

SAS FANS | Mini-Forum 13/11-2024

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Workbench

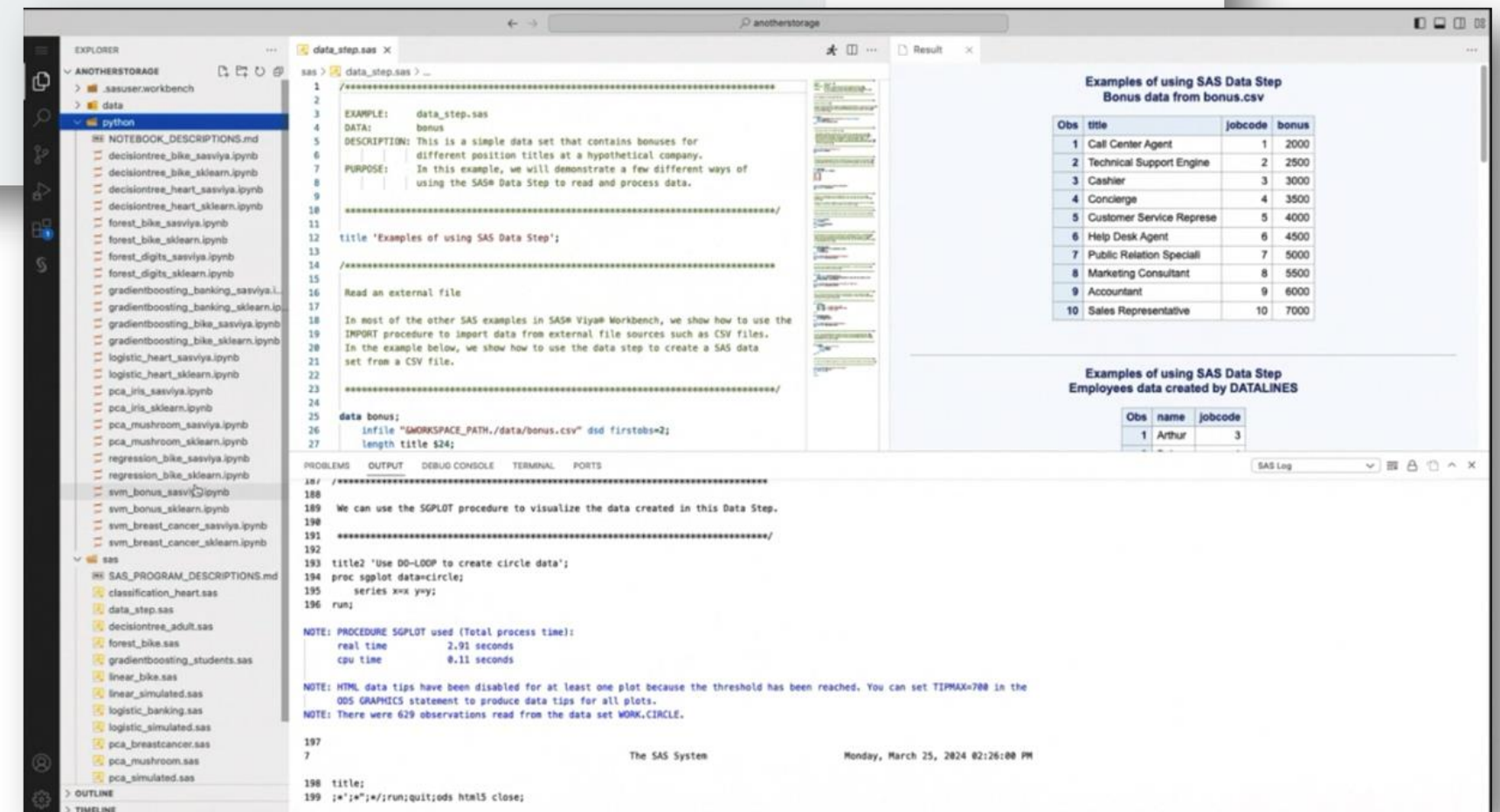
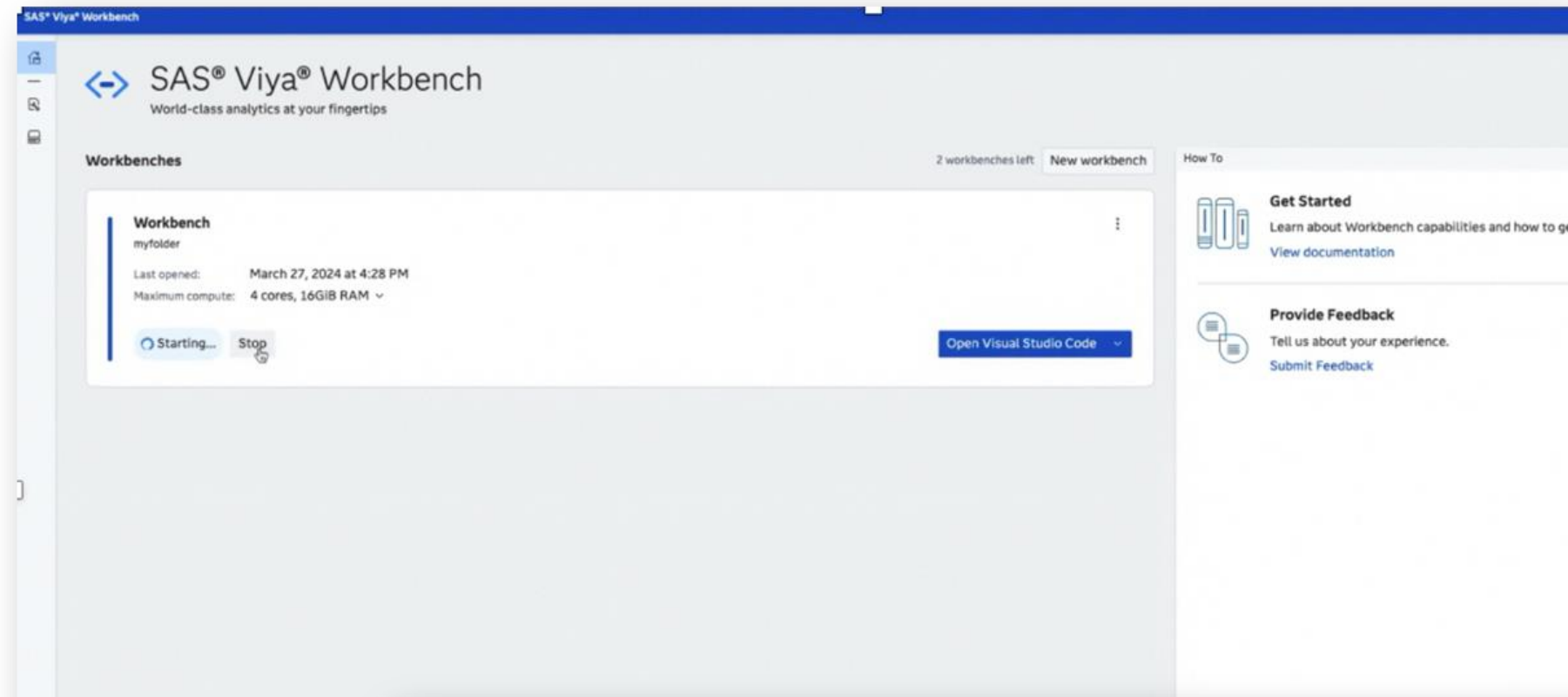


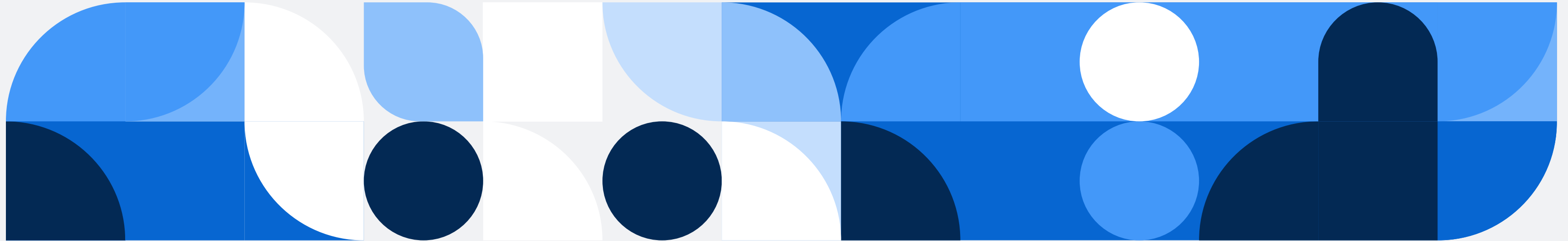
SAS Viya Workbench

*A developer canvas for
developers, modelers,
and coders*

Agenda

- What is Workbench?
- How does it look “Demo”?
- Roadmaps
- Q & A





SAS Viya Workbench

A developer canvas for
developers, modelers,
and coders

- Dedicated analytical environment
- Self-service and flexible
- On-demand GPU/CPU compute power
- AWS-only in first release
- Open-source integration through Visual Studio Code or Jupyter Notebook
- High performance analytics using the latest SAS procedures and APIs
- Develop analytical and machine learning models using SAS and Python

What is SAS Viya Workbench?

A Developer Canvas to Build, Iterate & Test

Rapidly **develop alongside** a standard SAS Viya deployment or **share into** a new SAS Viya implementation.

Self-provisioned via a lightweight, scalable deployment environment – on demand.



Quickly access disparate data sources and leverage a full suite of data management and data quality SAS procedures.

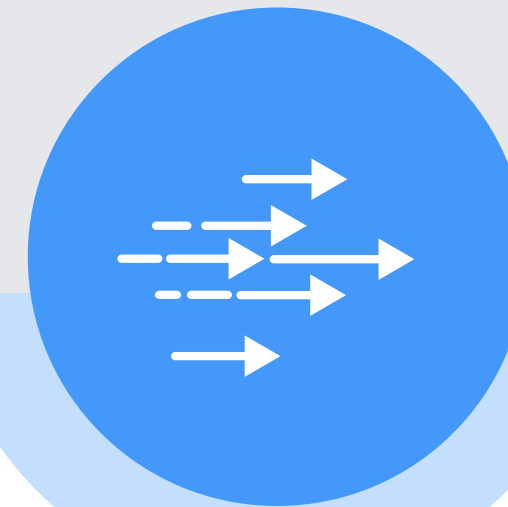
DATA



DEVELOPMENT



DEPLOYMENT



- ✓ Access data from a variety of sources
- ✓ SAS libraries & data quality commands
- ✓ SAS & SQL data views & data steps.

DATA

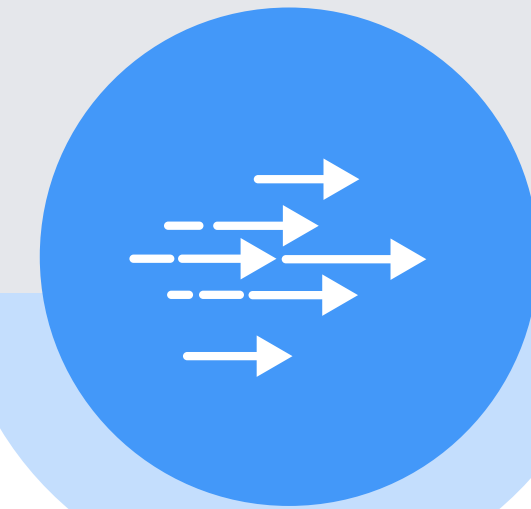


Empower developer teams with freedom, flexibility, and cutting-edge analytics to create models faster than ever.

DEVELOPMENT



DEPLOYMENT



- ✓ Develop fast
- ✓ Use SAS or Python – it's your call
- ✓ Iterate, test, compare and perfect your code.

DATA

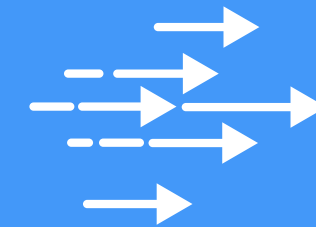


DEVELOPMENT



Rapidly package your score code for use in your choice of production environment.

DEPLOYMENT



- ✓ Publish container image
- ✓ Extend models into a variety of registries, offering more opportunities for collaboration across the enterprise

What's under the hood?

[SAS Viya Workbench Procedures](#)

Procedure Capabilities

- Data Access and Preparation
- Image Analysis
- Machine Learning
- Model Life Cycle
- Programming Language
- Quality Control
- Statistics
- Visualization and Reporting



“Demo”

Roadmap

Roadmap highlights

Subject to change without notice!

- Next
 - R Runtime Support
 - Additional Access Engines
- Later
 - SAS Code-Gen
 - Enterprise Guide Integration



SAS Viya Workbench

Key Features



Developer Canvas

An easy to use, lightweight and scalable data science modeling and analytics workspace



Best in Class Analytics

Latest SAS Analytical Procedures (PROCs) and Python APIs



Open-Source Coding

VS Code and Jupyter Notebook interfaces. SAS and Python compute runtimes



Cloud-Native

Elastic cloud compute, on AWS



Efficient Compute Engine

Self-service provisioning and termination with scalable GPU to meet workload



Governance and Security

Managed deployment with update and backup capabilities. Industry specific security compliance

Q & A ?

Thanks for listening!

