

# SAS Ottawa User Group

SAS Innovate 2024 Recap

Joe Furbee, Developer Advocate at SAS  
Thursday, June 6, 2024

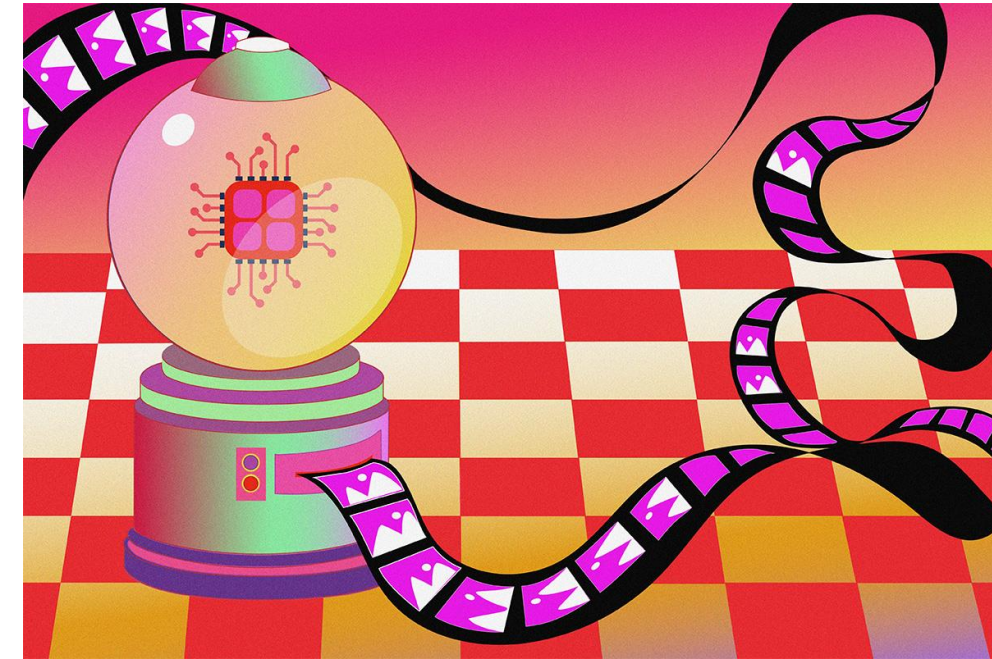
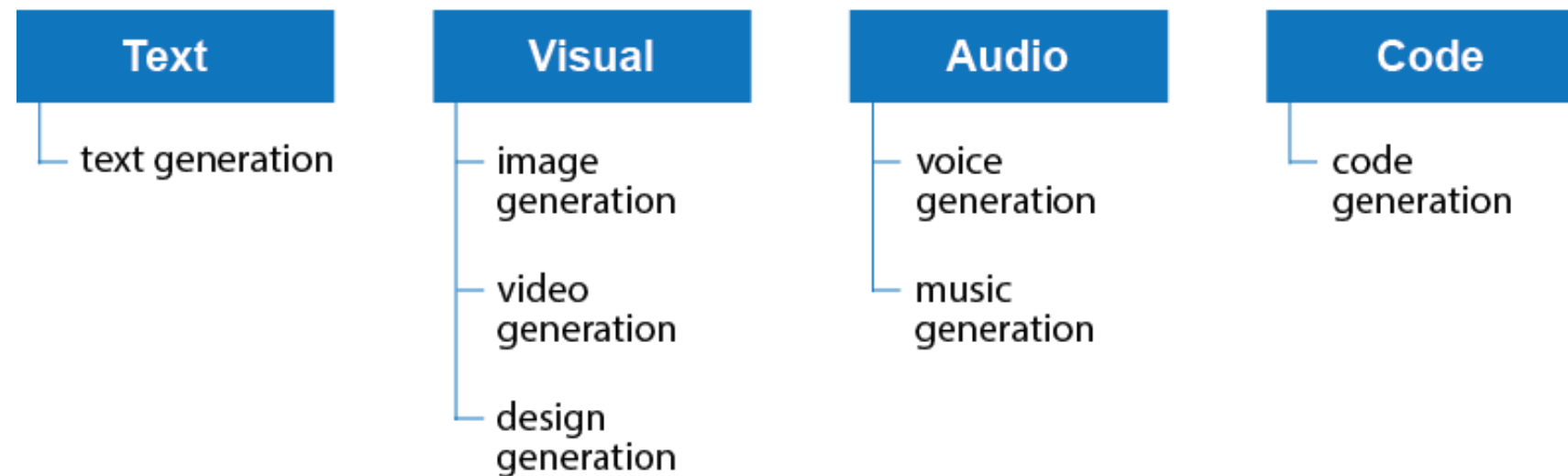
**sas innovate**  
2024

# Agenda

- GenAI
- SAS Viya Workbench
- SAS Viya Co-pilot
- SAS Data Maker
- Ethical AI
- SAS Hackathon Boot Camp
- Additional Highlights

# GenAI

## Generative AI Tools



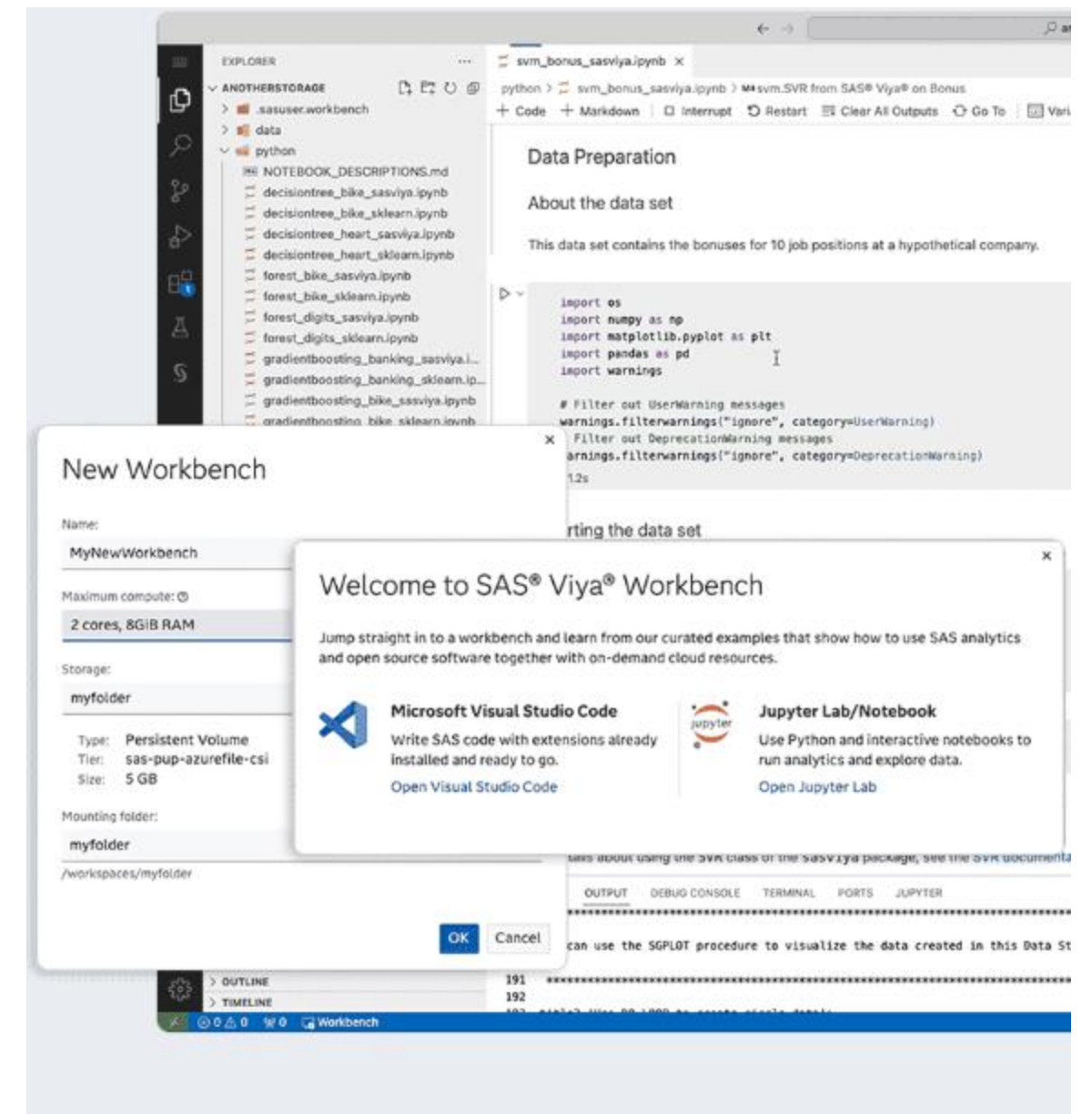
- Leaders recognize GenAI and are eager to get value out of it
- Having difficulties reckoning how to use it
- 88 percent of leaders admit there's an understanding gap
- LLMs do not solve problems on their own
- SAS is working with customers creating use cases that make real-time decisions while integrating with GenAI

# SAS Viya Workbench

Question: What is SAS Viya Workbench?

Answer: Built for developers and modelers, SAS Viya Workbench is a self-service, on-demand compute environment for analytical development, including building AI and machine learning models. Features include:

- Use your favorite IDE (VS Code, Jupyter) and preferred language (SAS, Python, R).
- Choose your compute power. How many CPUs? How much RAM? Do you want GPUs?
- Cost effective. Choose when your system is active.
- Encourages collaboration.
- Develop high-performance models by tapping into the latest SAS Procs and Python APIs.

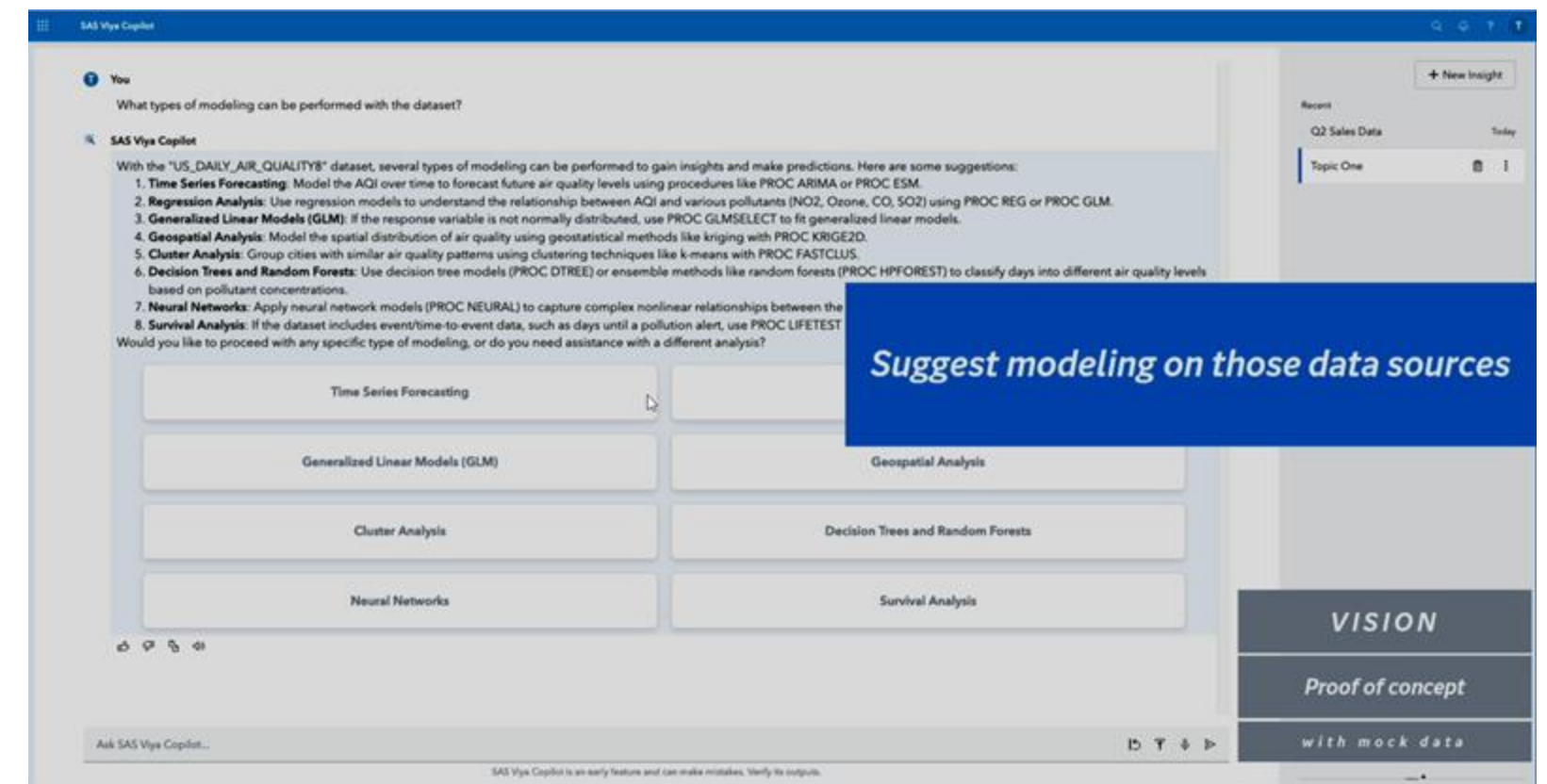


# SAS Viya Co-pilot

**Question:** What is SAS Viya Co-pilot?

**Answer:** An interactive bot that walks you through your data. Features include:

- Discovers data sets relevant to your task
- Make recommendations and suggestions for techniques and analysis based on your data.
- Execute procedures and analysis based on recommendations
- Summarizes data and reports results
- User can view the generated code and make adjustments.
- Create reports and dashboards based on the analysis

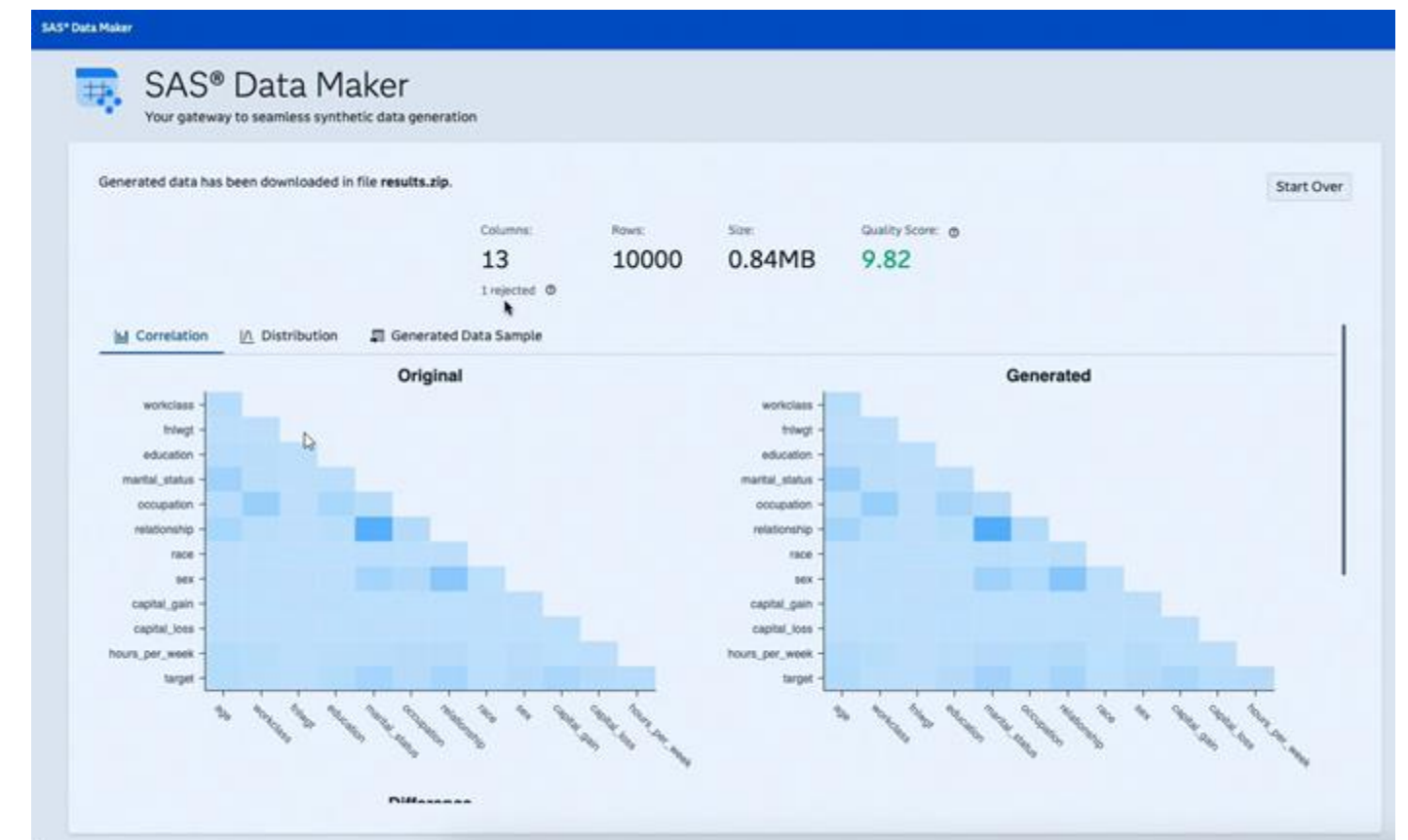


# SAS Data Maker

Question: What is SAS Data Maker?

Answer: Tool used to efficiently generate high-quality synthetic data with SAS. Features include:

- Generates data to protect sensitive information
- Low / no code interface
- Builds structured data
- Replicate data characteristics including statistical properties, distributions
- Produces thorough explanation of the resulting data, both with text and graphs

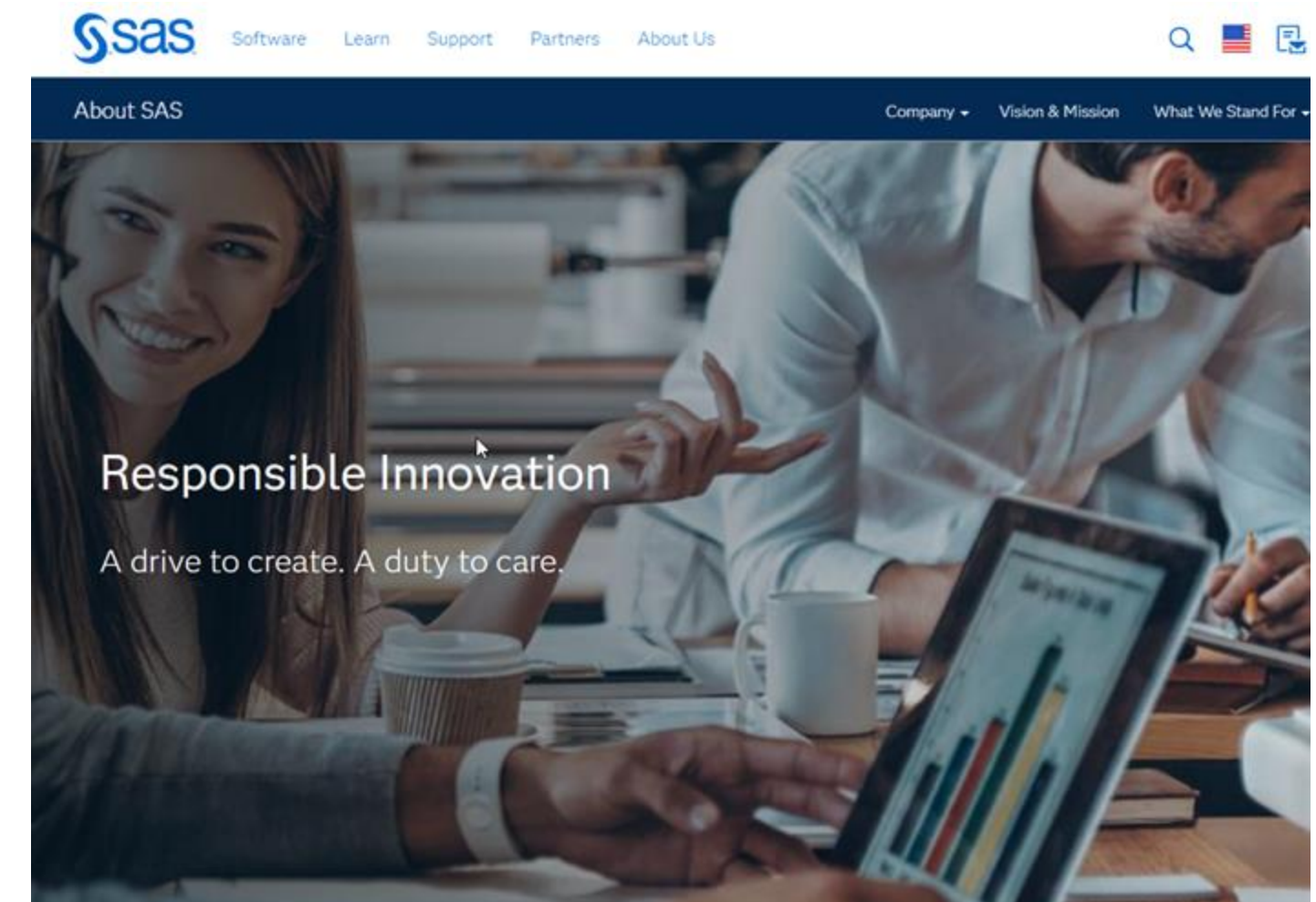


# Ethical AI

Question: What is Ethical AI?

Answer: Access to quality data, at the optimal time, interpreted with compassion, is essential to ethical and human-centered innovation.

- **Human Centricity** – Promote human well-being, human agency and equity.
- **Inclusivity** – Ensure accessibility and include diverse perspectives and experiences.
- **Accountability** – Proactively identify and mitigate adverse impacts.
- **Transparency** – Openly communicate intended use, risks and how decisions are made.
- **Robustness** – Operate reliably and safely, while managing potential risks throughout a life cycle.
- **Privacy & Security** – Protect the use and application of an individual's data.



# SAS Hackathon Boot Camp

- SAS Provided the use case, data, sample code models and reports, and a SAS Viya environment.
- Teams had 2.5 hours to solve the problem.
- Some teams came as teams, others were paired up at the event.
- Mentors were available to help participants as needed.
- Top three finishers in each category received SAS swag
- All participants received a t-shirt and diploma





# A Bootcamp with Three Tracks

## Track 1:

Building Trust, One dashboard at a Time: Ethical Data Visualization Challenge

(No-code in SAS Visual Analytics)



## Track 2:

Reducing Bias in Credit Approval Modeling Data

(Coding + Low-Code in SAS Model Studio)



## Track 3:

Exploring Predictive Models  
(Coding in SAS Viya Workbench)



# Other Items of Interest

- Enterprise Guide available to connect to SAS Viya
  - Connect to SAS Viya through SAS Enterprise Guide for a familiar user experience
- SAS VS Code Extension
  - Programming environment providing support for the SAS language, including features such as SAS syntax highlighting, code completion, hover help, code folding, outline, SAS code snippets and the ability to run SAS code
- Relaunch of the SAS Developer Portal
  - Modernized portal provides API doc, use cases, open source and SAS programming resources, and SDKs, among other resources – <https://developers.sas.com>
- Models as a Product
  - Prebuilt models for common industry use cases
- SAS Innovation Hub
  - Meet with product and industry experts, AI generated bobble heads, AI evaluated golf swings, and view Super Demos
- SAS CTO Bryan Harris on “Hot Ones”
  - Host Sean Evans asks his guests questions while they attempt to complete rounds of chicken wings coated in spicy hot sauce.

# Discussion



# Questions

**Joe Furbee, Developer Advocate, SAS Institute**

✉ [joe.furbee@sas.com](mailto:joe.furbee@sas.com)

🐦 [@joefurbee1](https://twitter.com/joefurbee1)

in [www.linkedin.com/in/joefurbee](https://www.linkedin.com/in/joefurbee)

📄 [developers.sas.com](https://developers.sas.com)

**sas innovate**

Thank You!