

When Everything is Data, Discover What Matters!

Udo Sglavo

Vice President, Applied AI & Modeling





Where SAS was first created which, you may recognize as Cox Hall





The first SAS
office which, you
may recognize on
Hillsborough
Street





SAS is a cloud native data and Al company



2023 SNAPSHOT

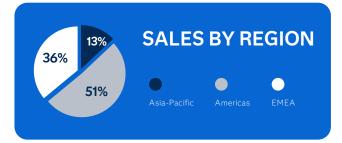
Five Decades of Innovation And Profitability





SAS continues to record more than \$3bn in sales









SAS PROUDLY SUPPORTS CUSTOMERS ACROSS INDUSTRIES INCLUDING





























RETAIL









Employees 12,000

Countries

140+

Customer Sites 70,000







R&D Centers

US, China, India, UK

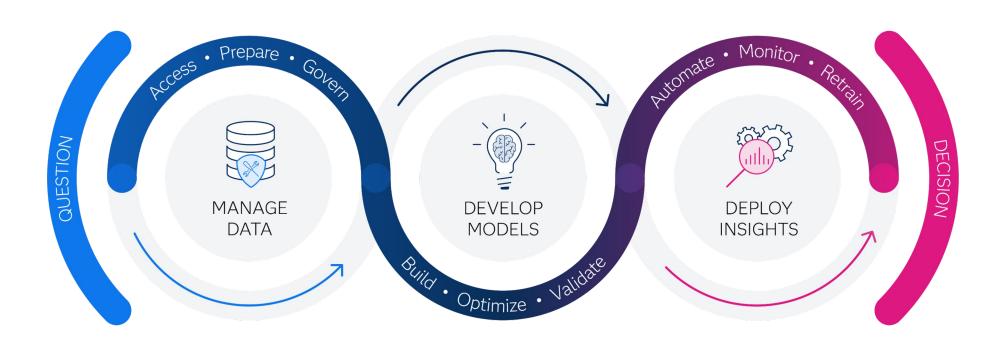
Partners

1700+





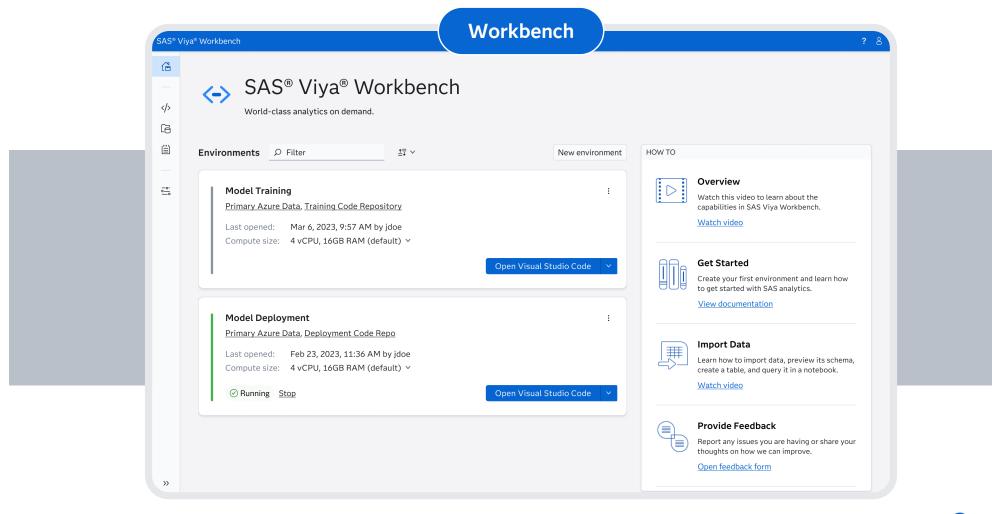
Ssas



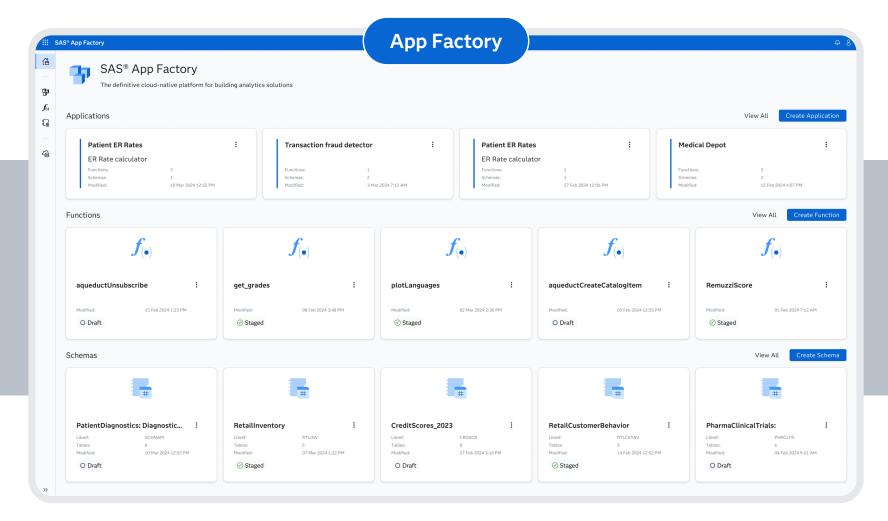




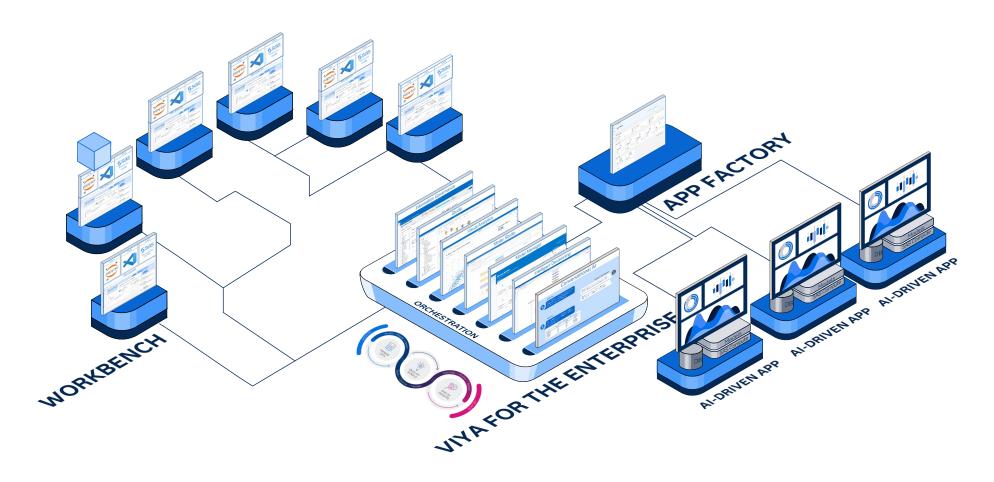






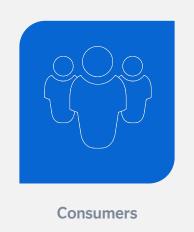








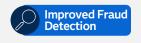
3 primary drivers: increased approval rates, reduction in false positives and improved fraud detection













\$770K

Enhanced results

Tangible outcomes



April 16-19 | ARIA LAS VEGAS

featured speaker

"We've solved hundreds, if not thousands, of individual customer challenges. Models are how we productionize use cases on SAS® Viya."

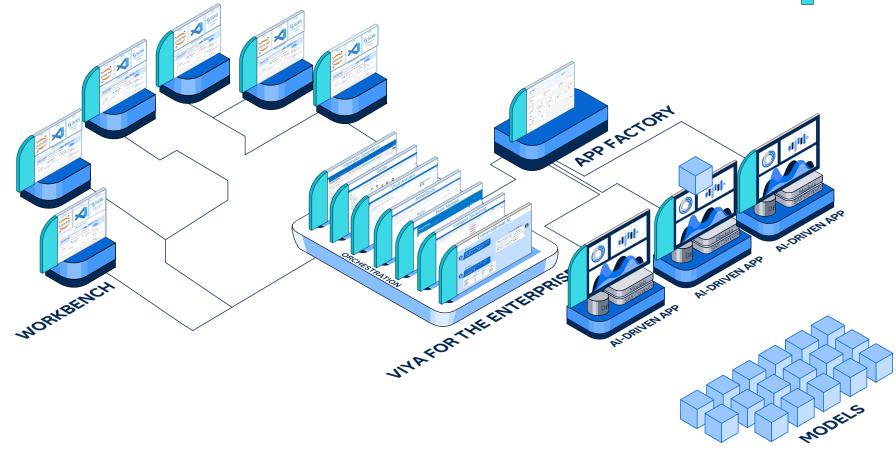
UDO SGLAVO

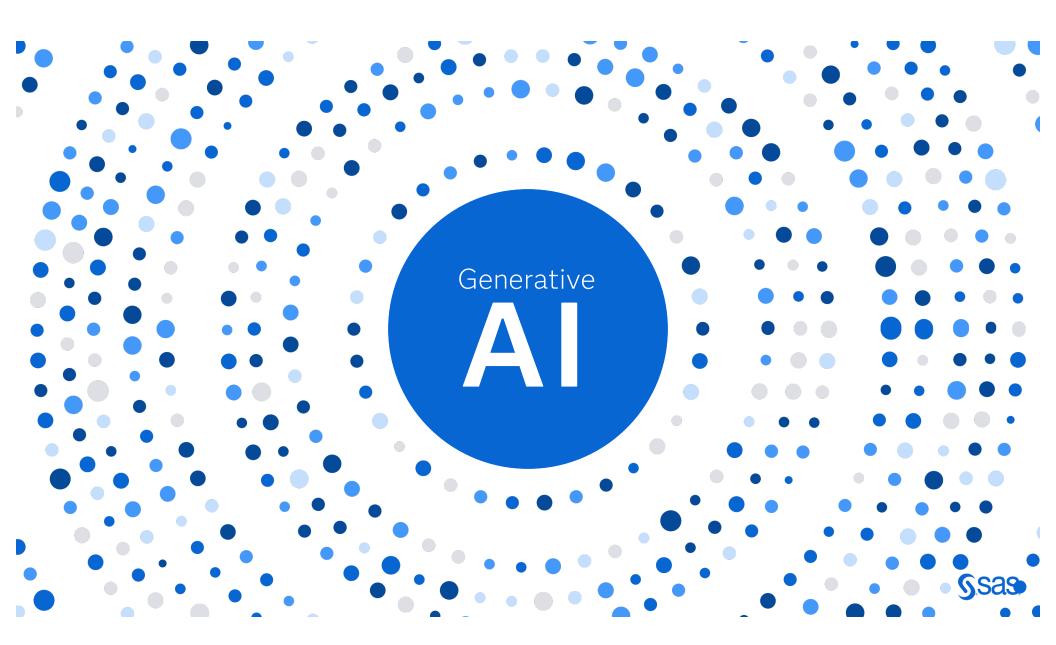
Vice President of Applied Al and Modeling at SAS

Ssas









SAS and Generative AI

Data & Al Platform

Leverage LLMs at an Enterprise Level

SAS Viya enables the orchestration of LLMs usage, integration with decisioning workflows, nachine learning and data protection capabilities.



Copilots

Accelerate Al Lifecycle Tasks

Use SAS Viya faster and easier, leveraging Copilots that democratize ALC tasks, for increased user productivity. Such as generate code, generate dashboards, run data quality checks.



Al Assistants

Execute Business & Industry Tasks

Empower individuals to do their job better and faster using AI assistants specialized in enterprise use cases across different industries.



Synthetic Data Generation

Mitigate Data Quality & Scarcity

Address and mitigate data privacy, data scarcity and bias challenges by generating and validating synthetic data in a programmatic or Uldriven form





SAS and Generative AI

Data & Al Platform

Leverage LLMs at an Enterprise Level

SAS Viya enables the orchestration of LLMs usage, integration with decisioning workflows, machine learning and data protection capabilities.



Copilots

Accelerate Al Lifecycle Tasks

Use SAS Viya faster and easier, leveraging Copilots that democratize ALC tasks, for increased user productivity. Such as generate code, generate dashboards, run data quality checks.



Al Assistants

Execute Business & Industry Tasks

Empower individuals to do their job better and faster using AI assistants specialized in enterprise use cases across different industries.



Synthetic Data Generation

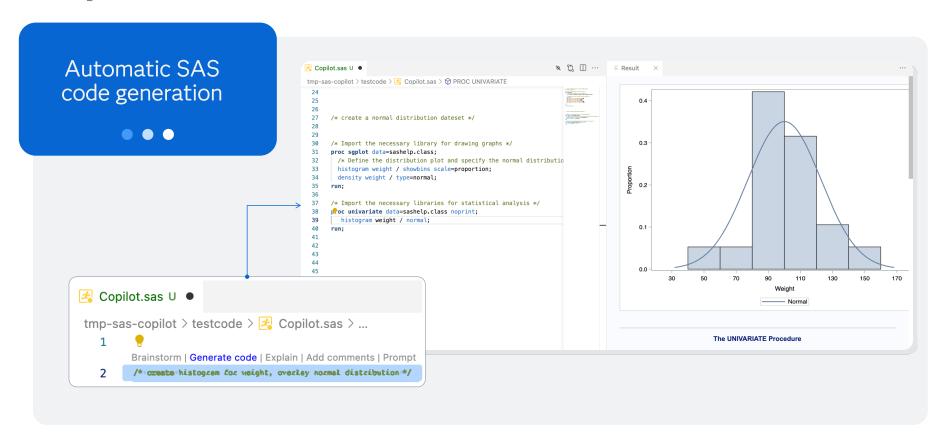
Mitigate Data Quality & Scarcity

Address and mitigate data privacy, data scarcity and bias challenges by generating and validating synthetic data in a programmatic or UI-driven form.





Copilots





Copilot Demo - Jon Leirer, SAS



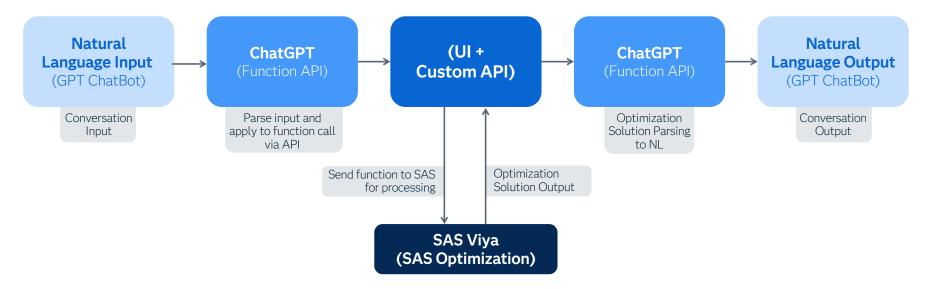


Al Assistant for Inventory Planning





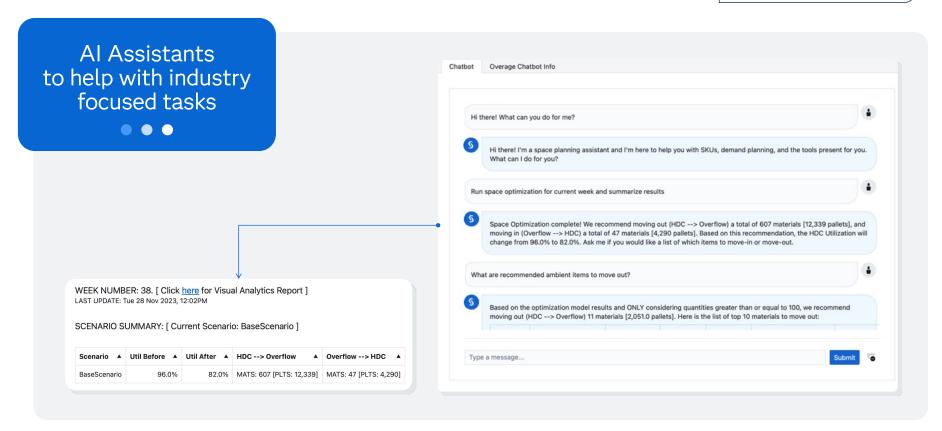
Digital assistant to democratize the use of SAS analytics across various personas by enabling them to interact with SAS analytics through conversation in natural language.





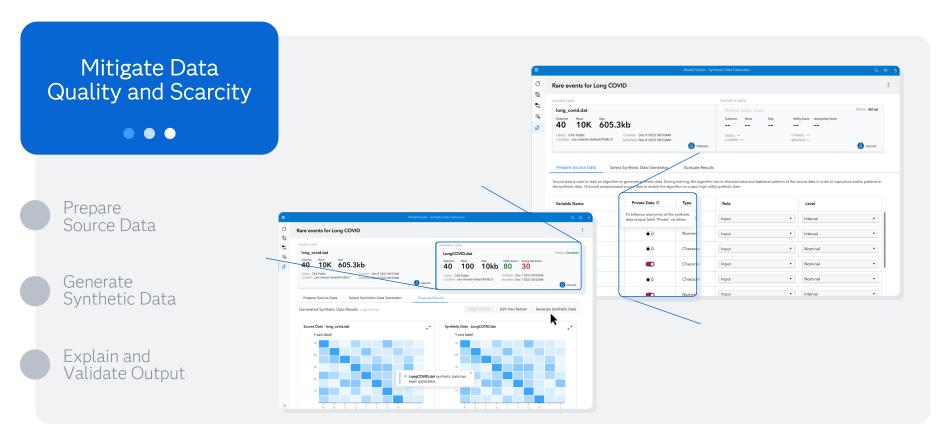
Al Assistant for Inventory Planning



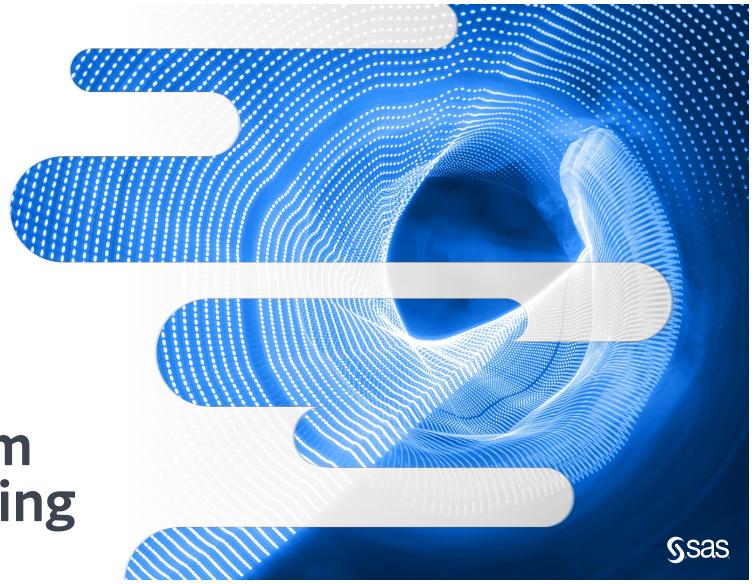




Synthetic Data Generation







Quantum Computing

Opportunities for Quantum Computing





Drug Discovery



Financial Modeling



Chemical Simulations



Optimization

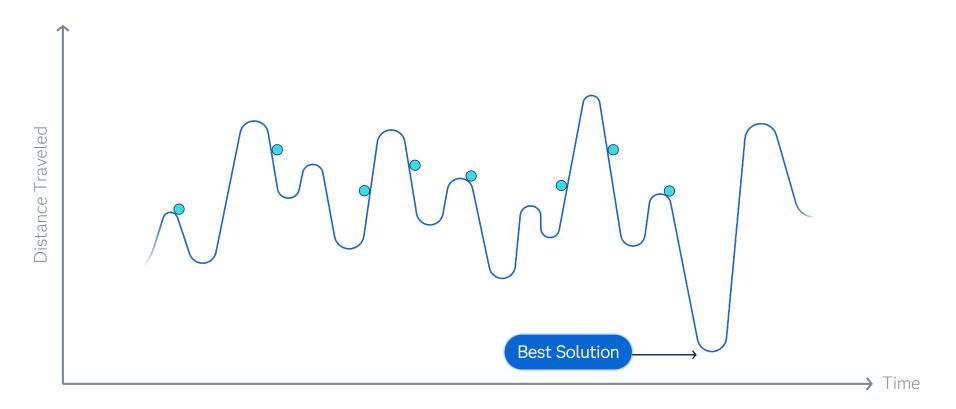


Traditional Computing and Optimization





Traditional Computing and Optimization



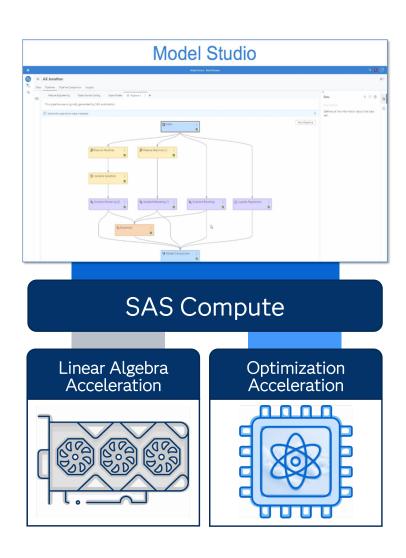




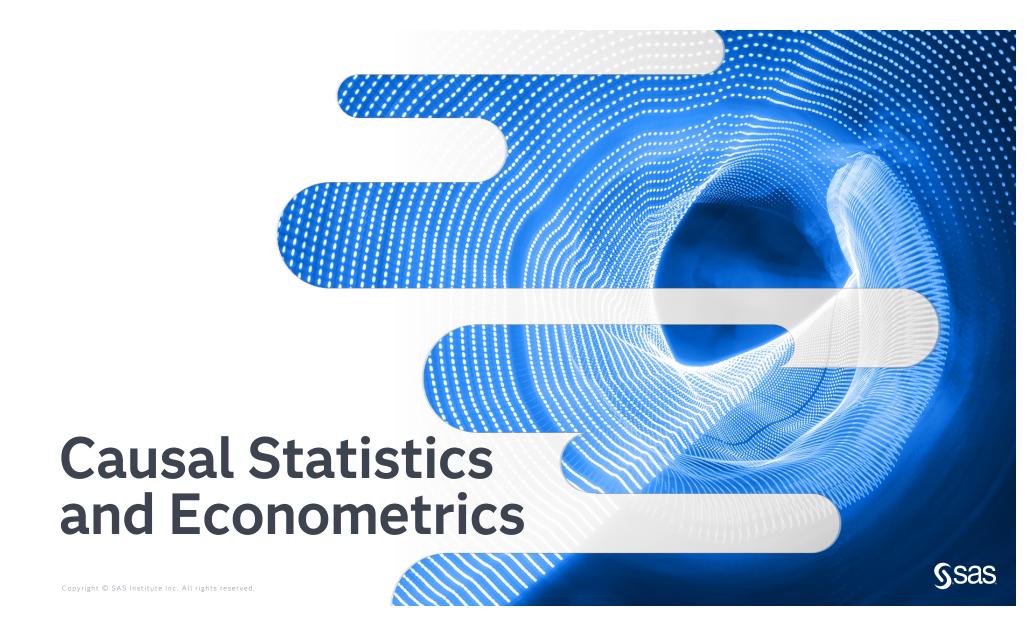
Power of Quantum Computing



Power of Quantum Computing







Importance of Causal Analytics

Why is causality important?

- There are causal-and-effect questions everywhere in economics and statistics
 - Currently the inflation rate is high, what if we increase the tax, decrease the tax, or increase some people's taxes but decrease others' taxes?

THINK REGRESSION

$$y_i = \alpha + x_i \beta + \varepsilon_i$$

- Is y truly caused by x?
- Is it the other way around?
- Are other effects impacting both y and x?
- What can be done to determine causation?

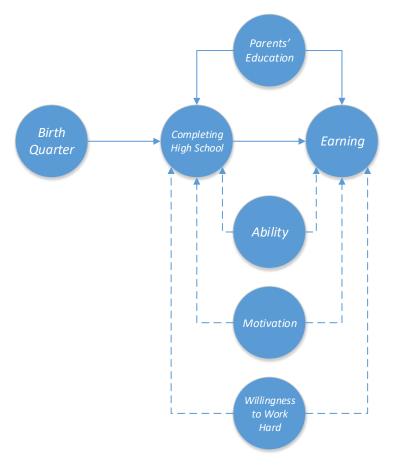


Example: 2021 Nobel Prize for Economics

Angrist and Imbens

 Research impact of completing high school on earnings

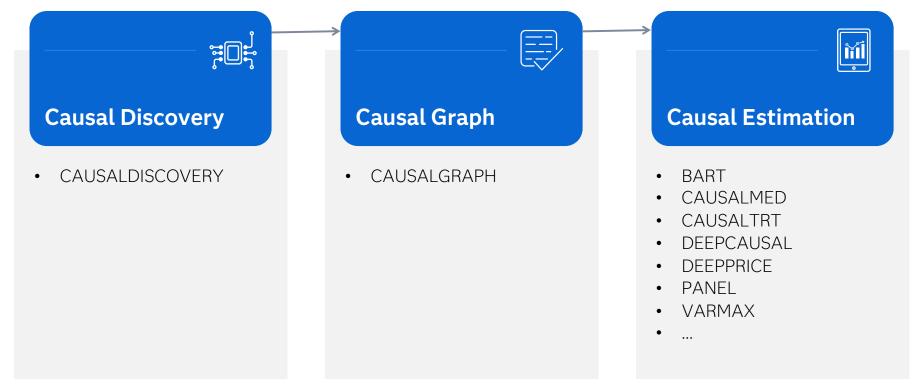
- Some variables impact both earnings and completion of high school
 - Violation of regression assumptions
- Solution: Used specialized methods available in SAS





Causal Inference

PROCs in SAS





Day in the Life of a SAS Intern







Exciting news! We're honored to be recognized by Handshake with a 2024 Early Talent Award. The #EarlyTalentAwards recognize top workplaces for Gen Z talent, and we're proud to be a place where passionate problem-solvers develop meaningful careers. Learn more: http://2.sas.com/6188k3opC #saslife



Ssas.

Apply for SAS Internships



sas.com



Apply for (Early) Career Opportunities



sas.com



