Why SAS Viya for Learners?

Highlighting Academic Programs + where SAS Viya for Learners shines

SAS Institute, Inc.

Who am I?

Lincoln H. Groves, PhD
Manager, Analytical Education
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Our Mission: U.S. Academic Programs

Empowering Analytics for Academics

Support the next generation by providing free software and resources for academia.

Our “customers” are students, educators, independent learners, and academic researchers.

Global Academic Program Goals

Increase SAS Consideration and Adoption Among Faculty

Build SAS Skill and Usage Among Students

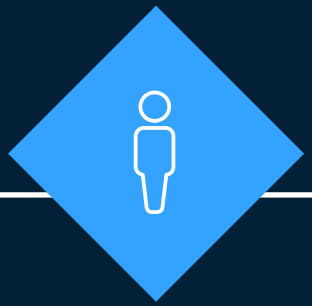
Develop Academic-Commercial Connections

Resources for Teaching and Learning

Software

SAS® OnDemand for Academics

SAS® Viya® for Learners



Training

Onsite & Online Training Offerings

E-learning & How To Videos

Education Resources

Curriculum Consulting

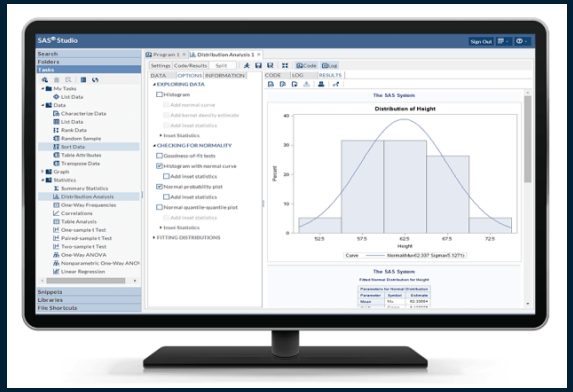
SAS Educator Portal

SAS Skill Builder for Students

Software for Learners

OnDemand for Academics

- SAS Studio
- Enterprise Guide
- Enterprise and Text Miner
- Forecast Server



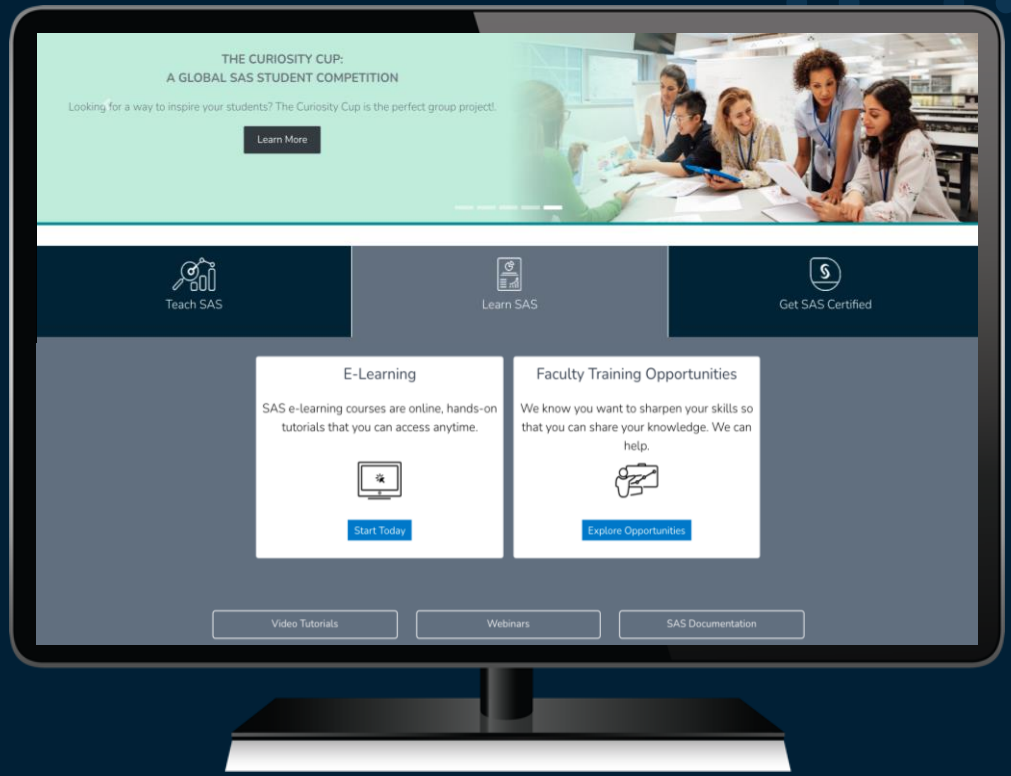
Viya for Learners

- Visual Analytics and Statistics
- Visual Text Analytics
- Visual Data Mining and Machine Learning
- Model Studio

SAS Educator Portal

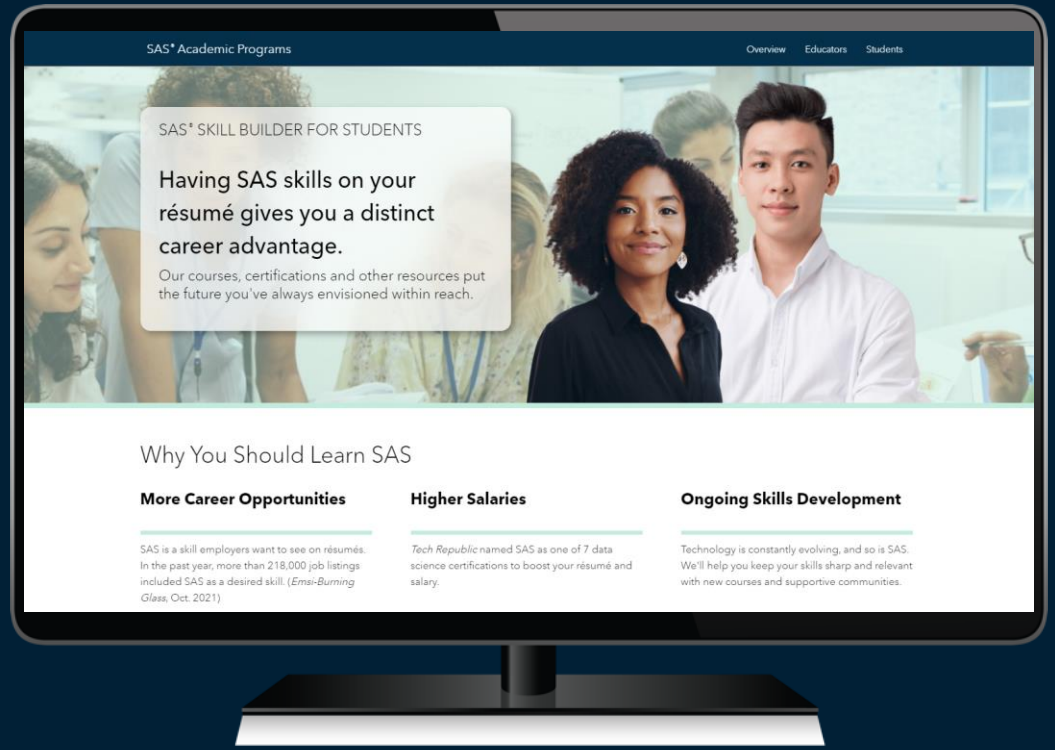
- E-learning & Certification Paths
- Instructional Materials
  - Teaching kits
  - Industry-specific classroom activities
- Educator Workshops & Training
- Discounts & Promotions

All-In-One Resource Center



http://www.sas.com/en_us/learn/academic-programs/educators.geo.html

SAS Skill Builder for Students



www.sas.com/skillbuilderforstudents

SAS Skill Builder for Students

Your future starts here

> 94% of decision makers worldwide said certified team members added value above and beyond the cost of certification.
>
> - Global Knowledge 2020 'IT Skills and Salary Report'

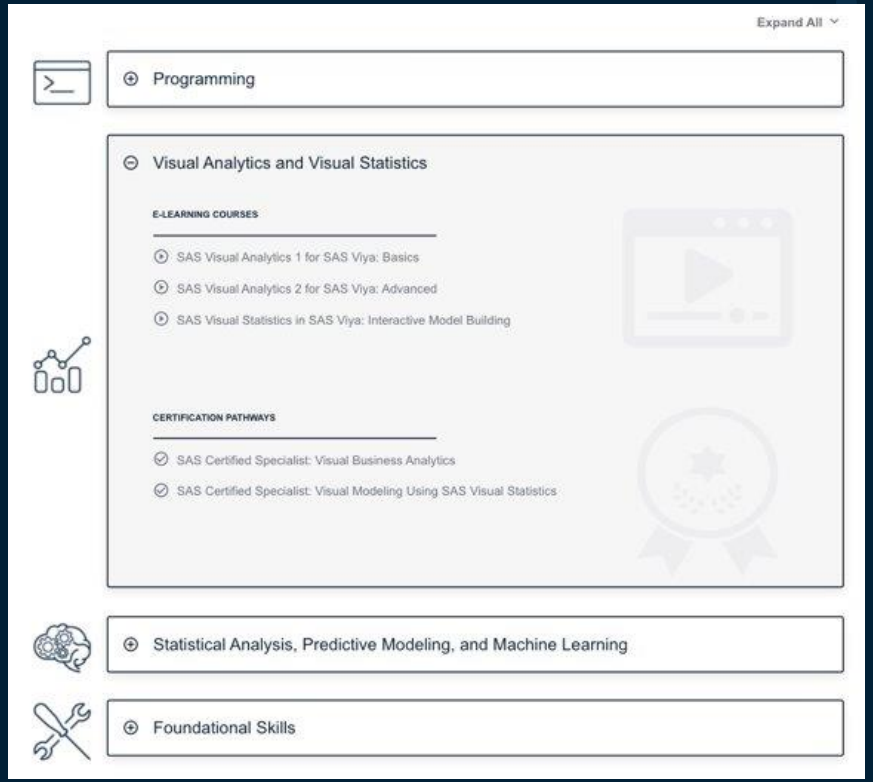
- ✓ Learn on your time
- ✓ Free software
- ✓ Stay motivated with career resources
- ✓ Cross-industry access

SAS Skill Builder for Students

Free Software & e-Learning

Learn SAS

- Point-and-Click Analytics
- Programming
- Visual Analytics and Statistics
- Statistical Analysis
- Predictive Modeling
- Machine Learning
- Data Literacy

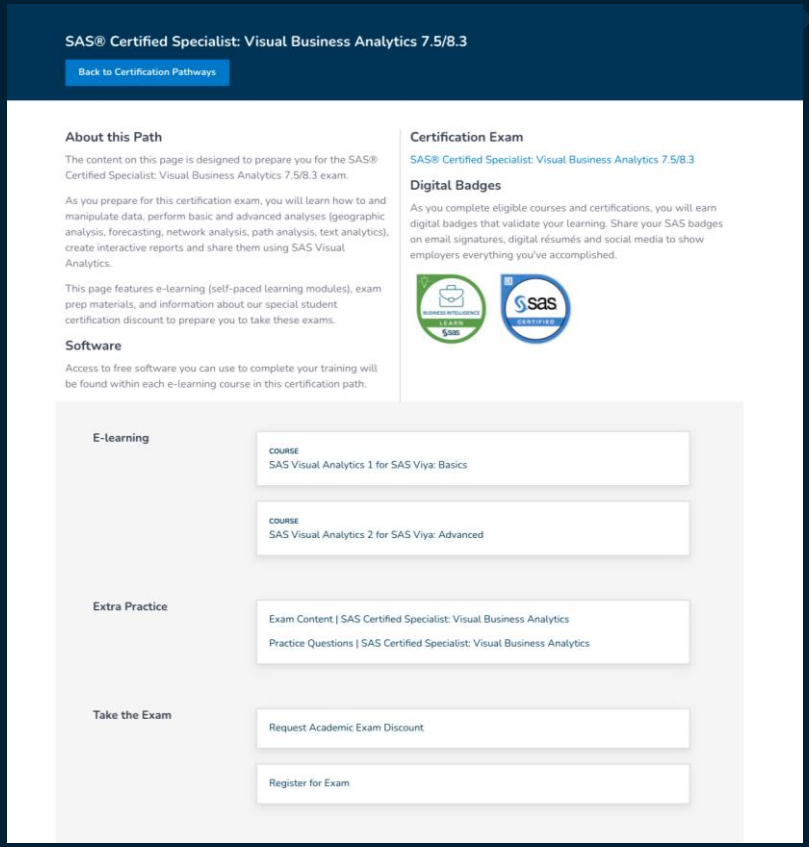


SAS Skill Builder for Students

Learn SAS: Prep for Certification

Some of the Analytics Credentials

- SAS Certified Specialist: Base Programming using SAS
- SAS Certified Associate: Programming Fundamentals using SAS
- SAS Certified Professional: Advanced Programming
- SAS Certified Statistical Business Analyst: Regression and Modeling



SAS Skill Builder for Students

Get SAS Certified

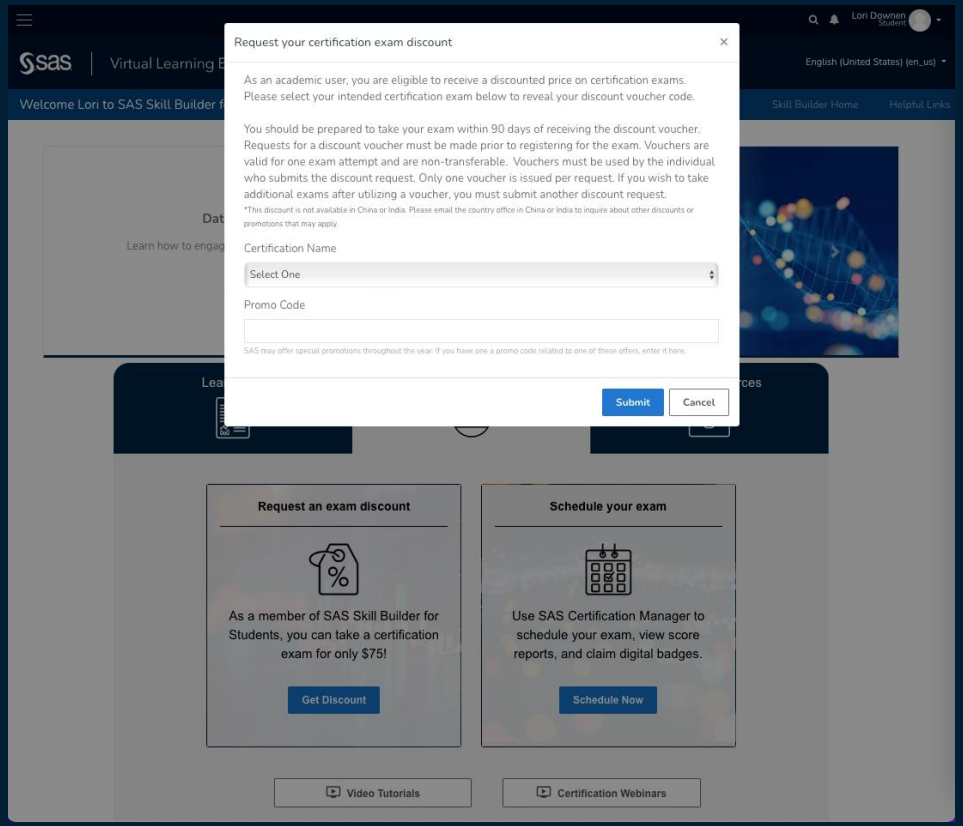
Certification Exam Discount

Standard Exam Price for SAS Skill Builder Participants:

$50 USD per exam*

Watch for special exam promotions throughout the year!

**This discount is not available in China or India. Please email the country office to inquire about other discounts or promotions that may apply. Students in Japan should also contact their local office.*



SAS Skill Builder for Students

Shine a light on your accomplishments!

Earn Badges

Don’t forget to claim and post the digital badges you earn from e-learning and certification. Sharing badges on social media sites demonstrates your credentials.

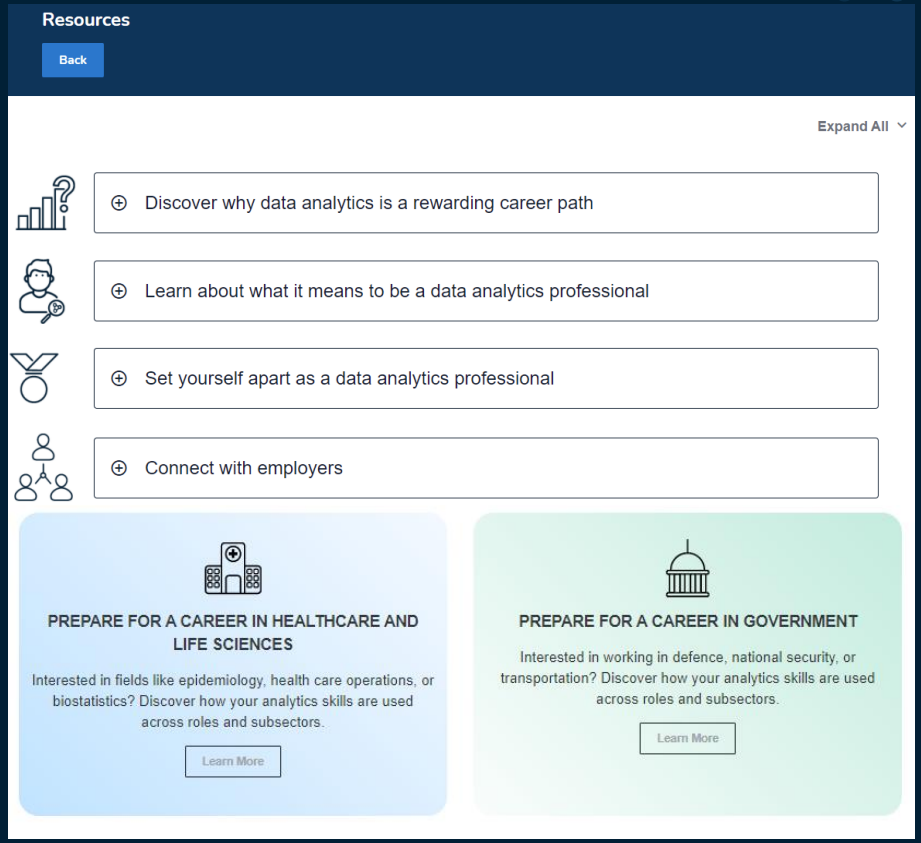
These digital images contain verified metadata that describes your qualifications and the process required to earn them.

SAS Skill Builder for Students

Career Resources

Fabulous finds for you

- Blogs and industry overviews
- Student success stories
- Global competitions for real-world experience
- Guidance on demonstrating skill to employers



SAS Viya for Learners

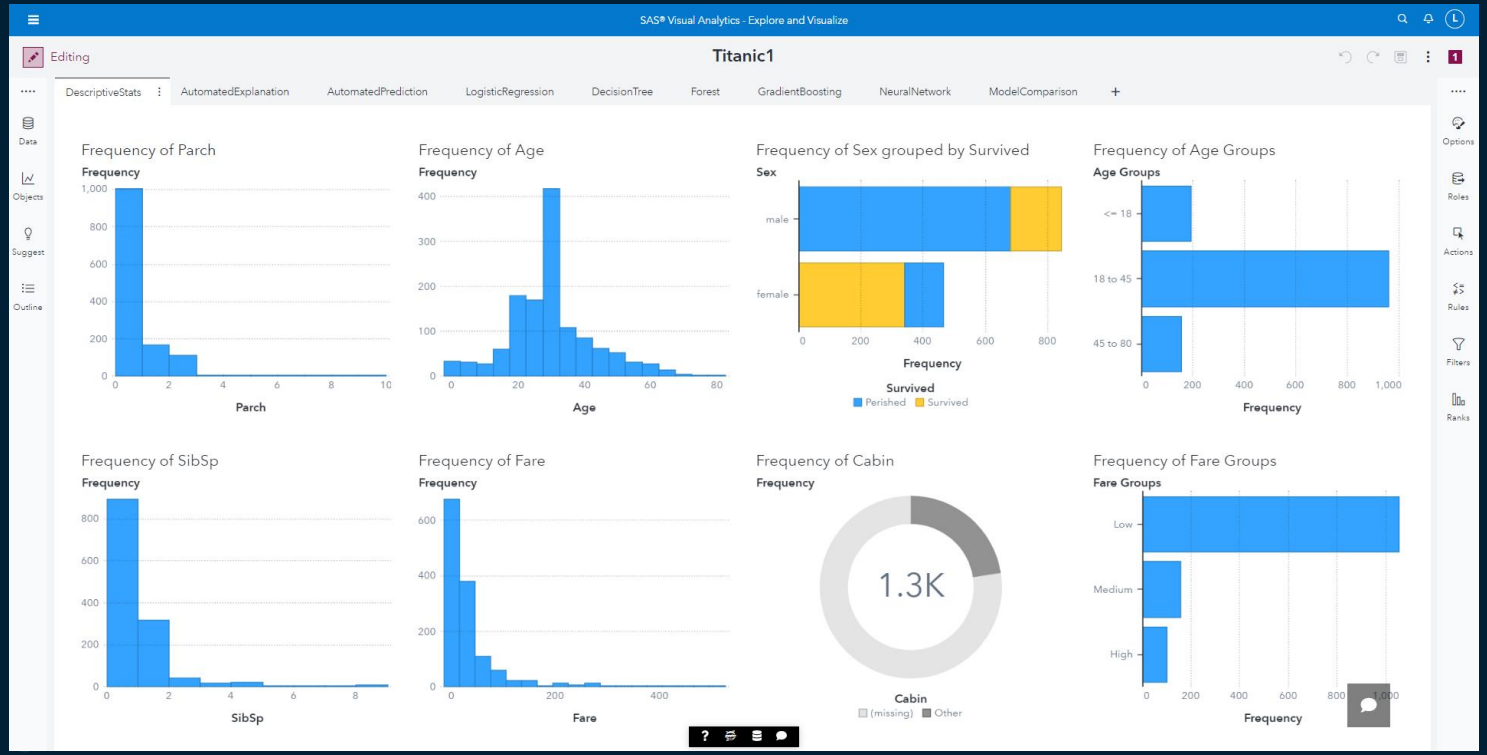
The Main Event

Part I: SAS Visual Analytics

Dashboarding approach to analytics = analytics for all

SAS Visual Analytics

Utilize dynamic dashboards to help with storytelling

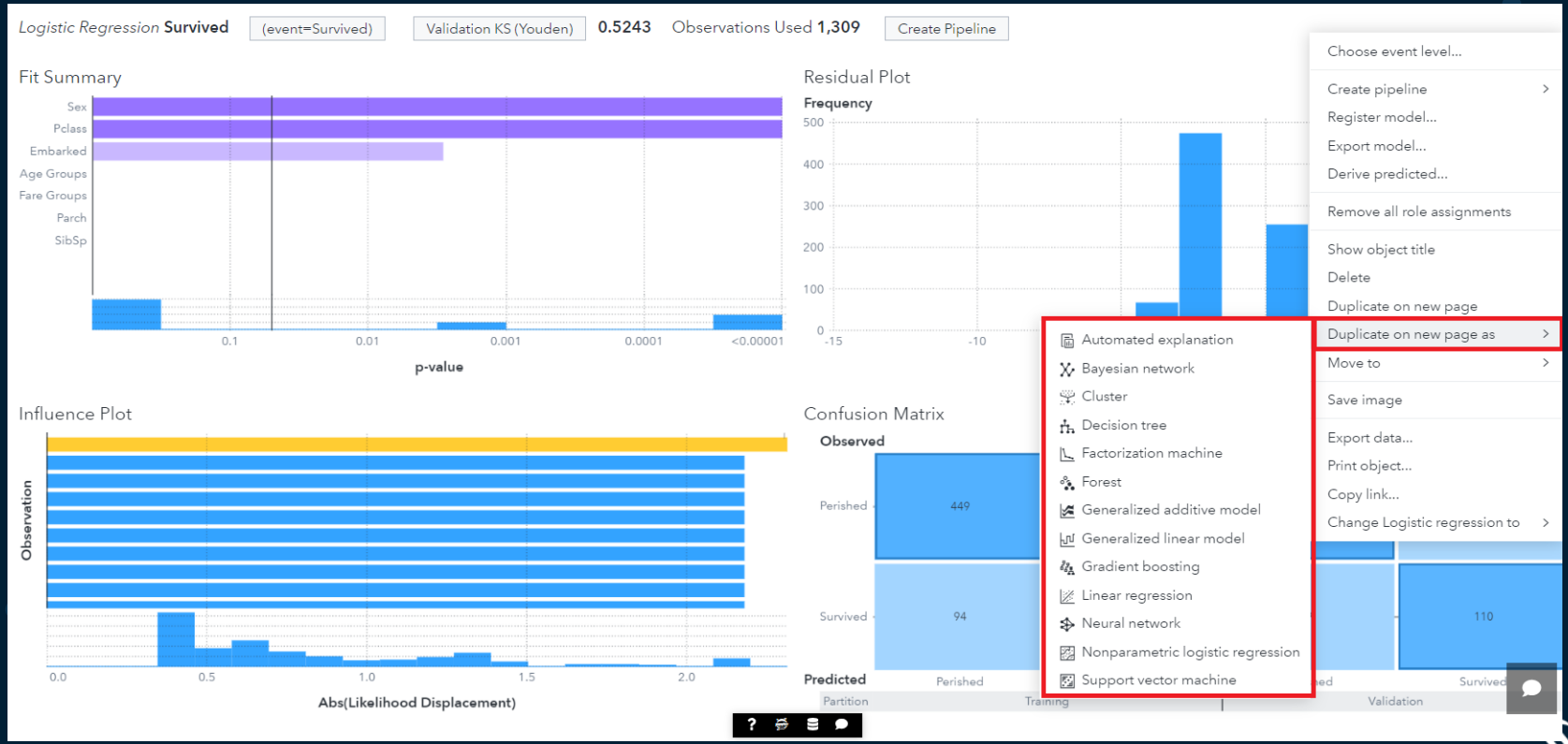


SAS Visual Analytics

Access AI Insights | Automated Explanation

SAS Visual Analytics

Run new models with the click of a button | Duplicate on new page as…

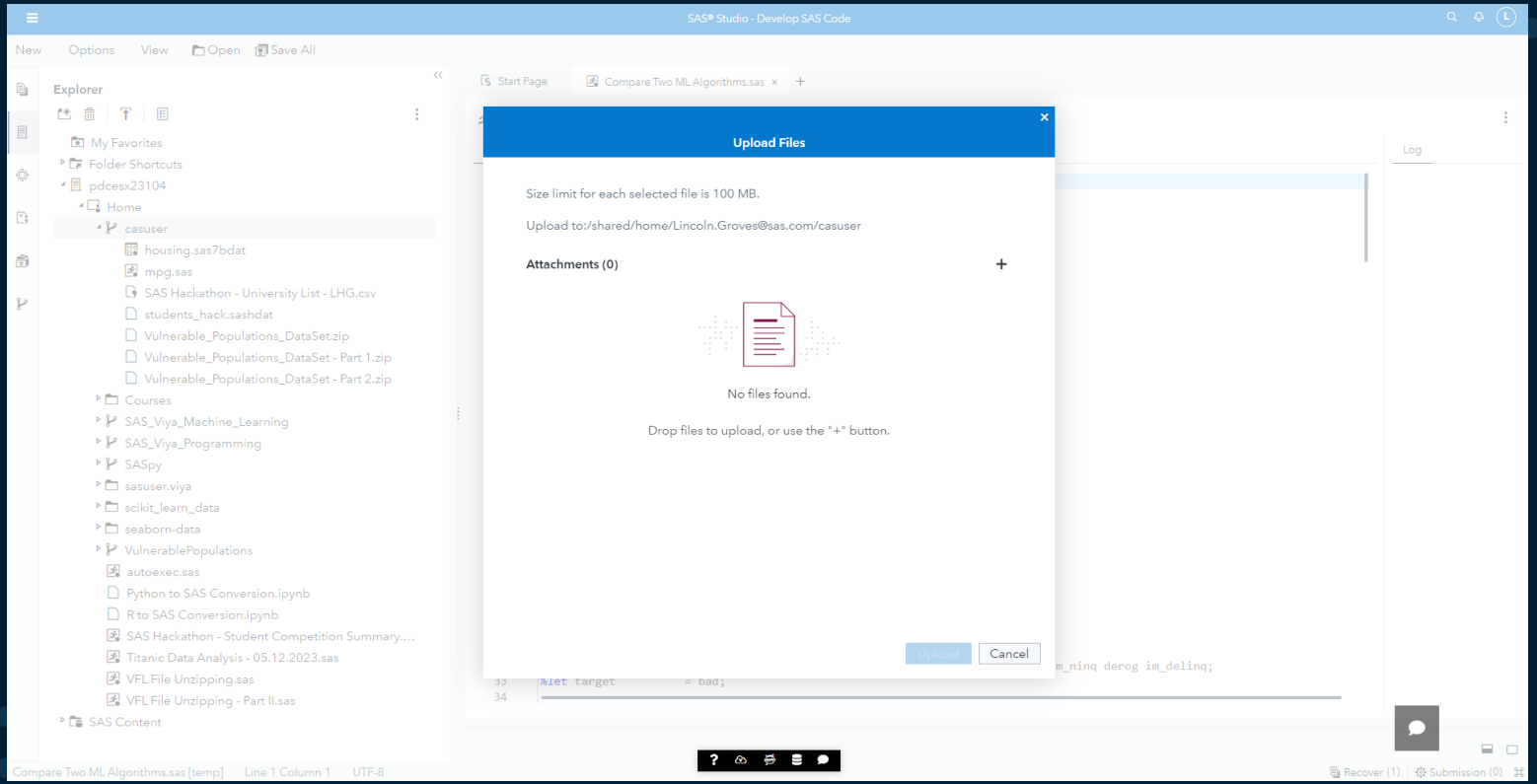


Part II: SAS Studio

Programmers guide to analytics

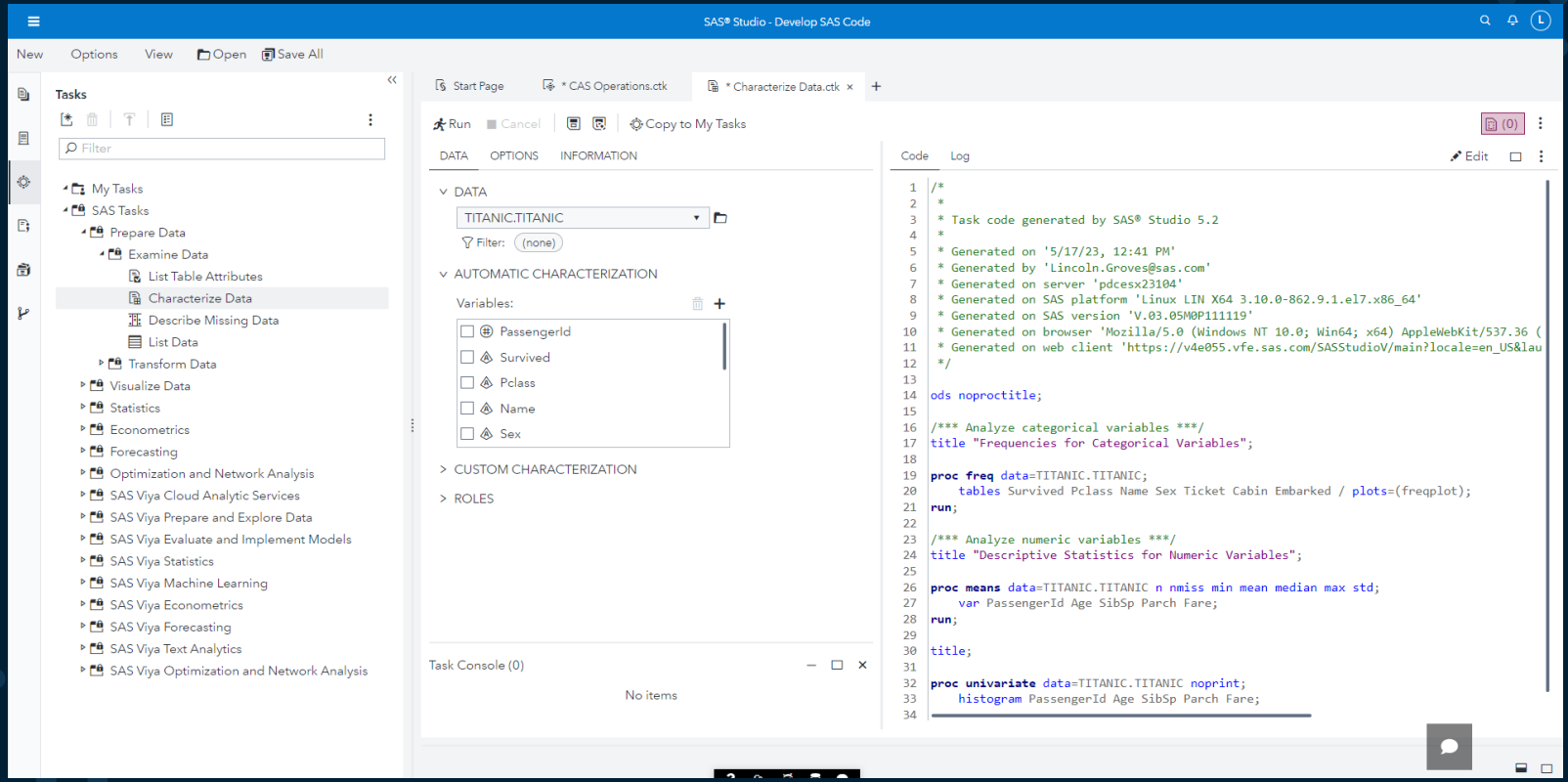
SAS Studio

Upload your data into SAS Viya for Learners



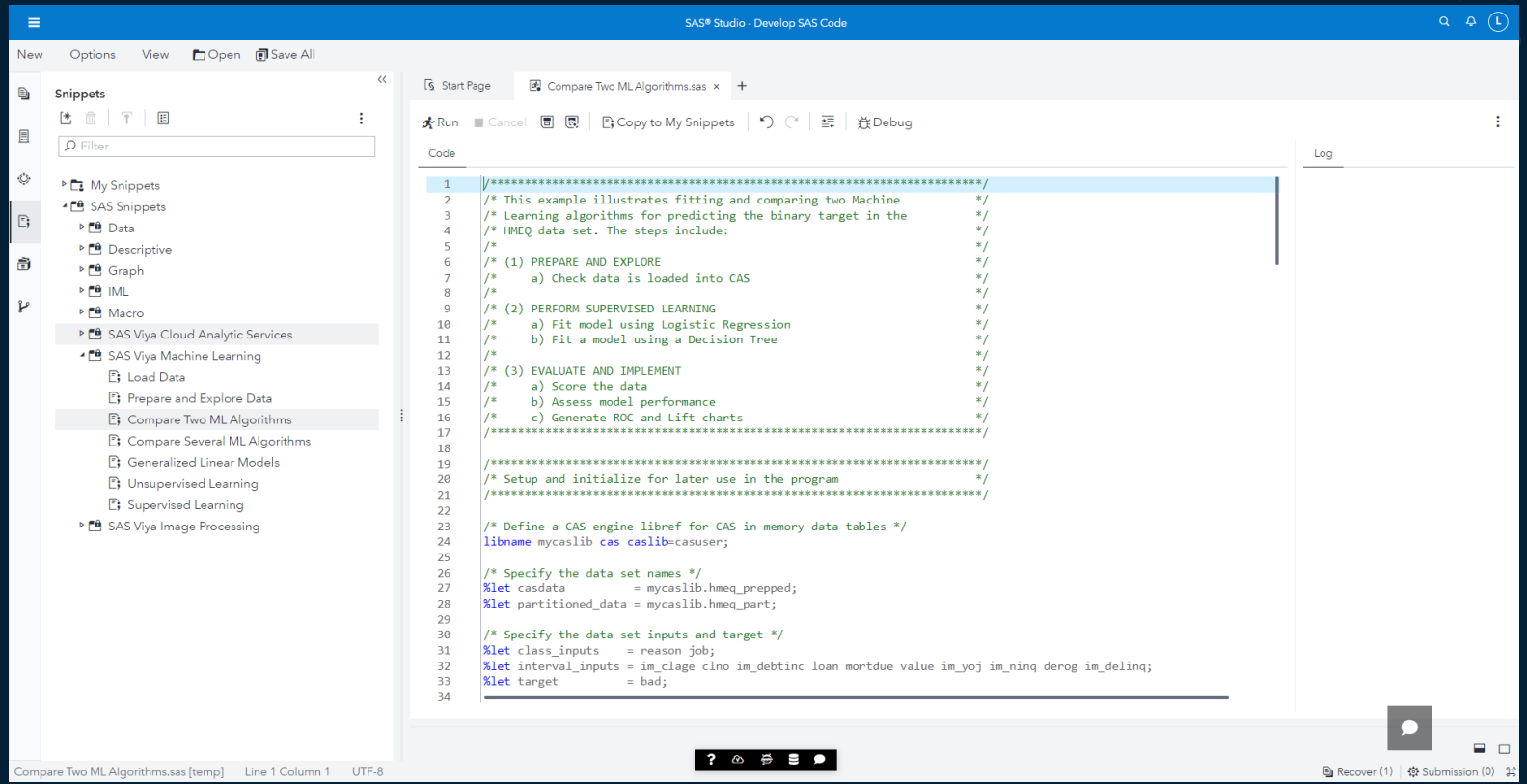
SAS Studio

Learn to code, Part 1: Tasks



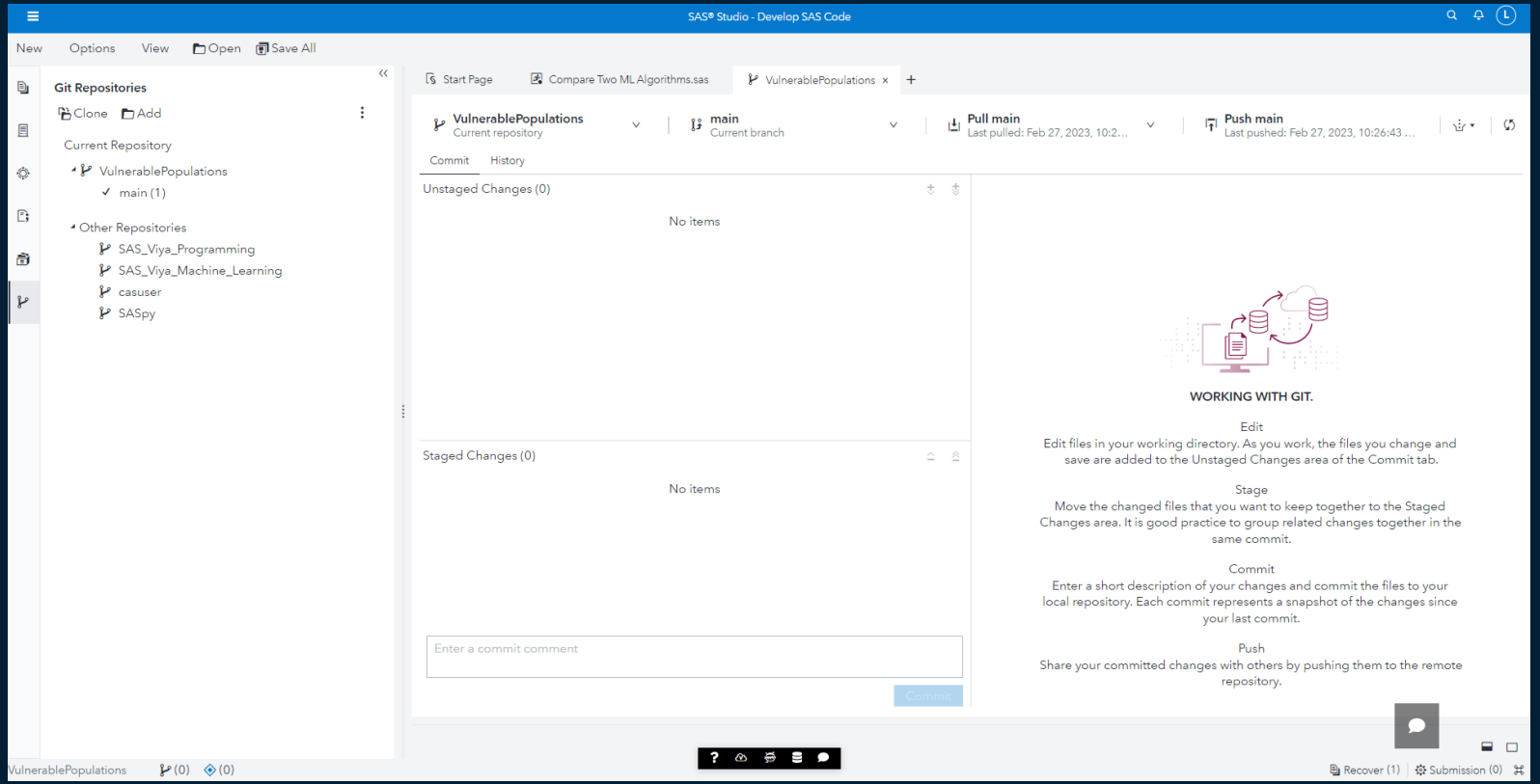
SAS Studio

Learn to code, Part 2: Snippets



SAS Studio

Incorporate your course materials | GitHub Integration

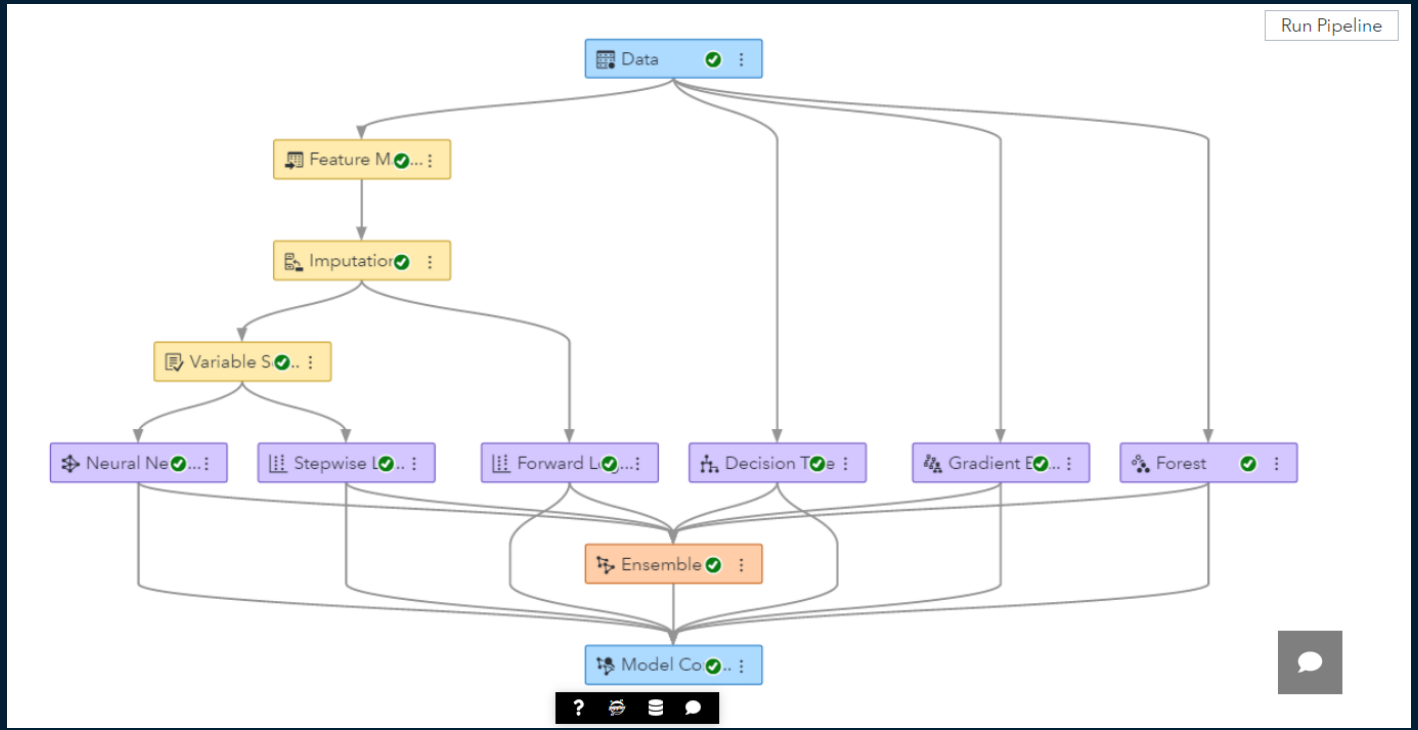


Part III: SAS Model Studio

Where machine learning experts hang out

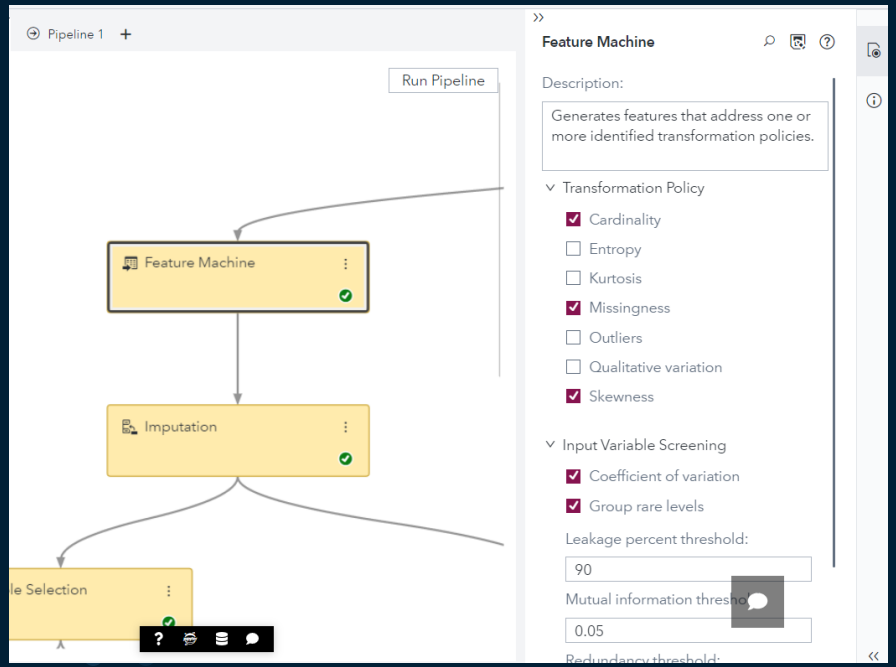
SAS Model Studio

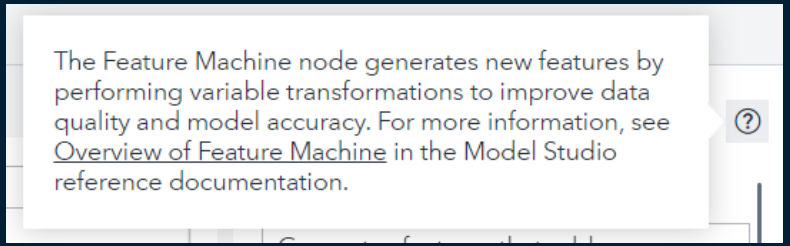
Get to the good stuff faster | Automated Pipelines



SAS Model Studio

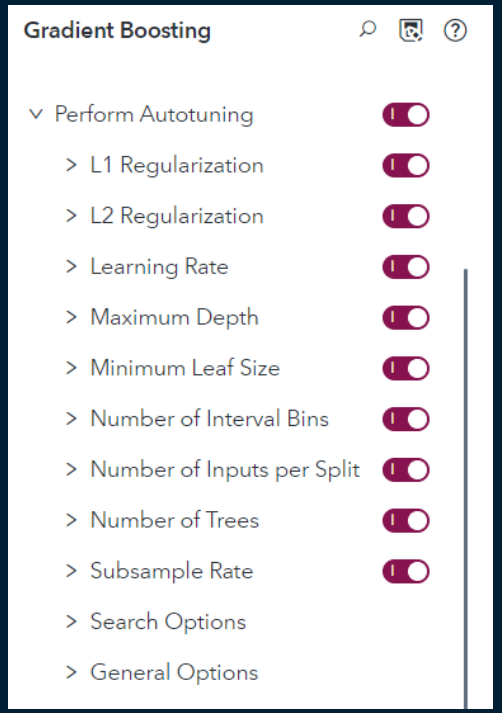
Use an AI friend for data prep| Feature Machine





SAS Model Studio

Automatically tune those hyperparameters, Part 1 | single node

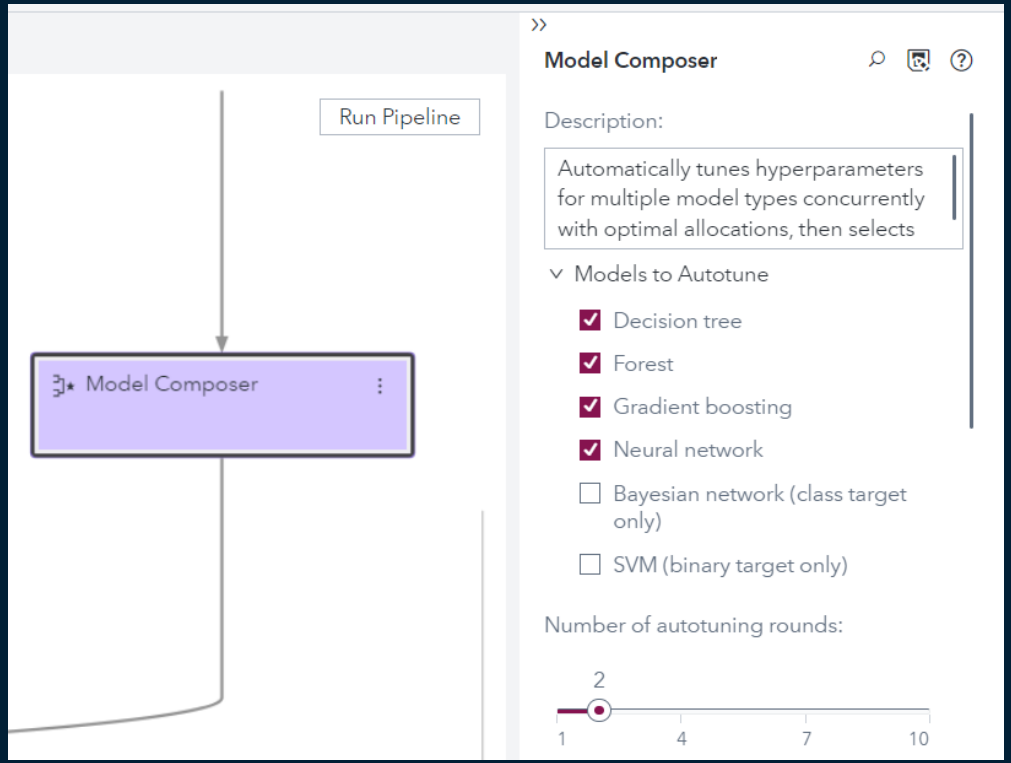


Model Comparison

Cham... ↓	Name	Algorithm Name	KS (Youden)
★	Gradient Boosting (Autotuning)	Gradient Boosting	0.5866
	Decision Tree (Autotuning)	Decision Tree	0.5385
	Ensemble	Ensemble	0.5775
	Forest (Autotuning)	Forest	0.5665
	Forward Logistic Regression (Autotuning)	Logistic Regression	0.5450
	Stepwise Logistic Regression (Autotuning)	Logistic Regression	0.5434

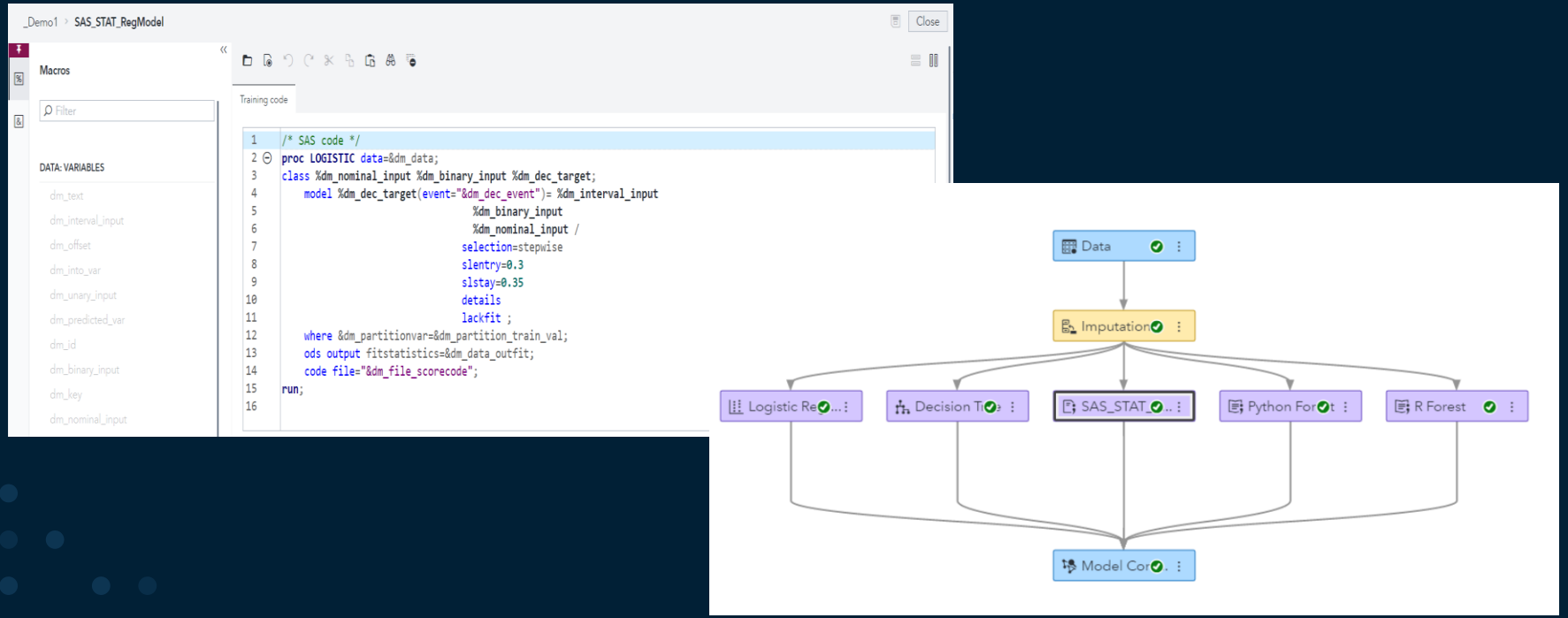
SAS Model Studio

Automatically tune those hyperparameters, Part 2 | Model Composer node



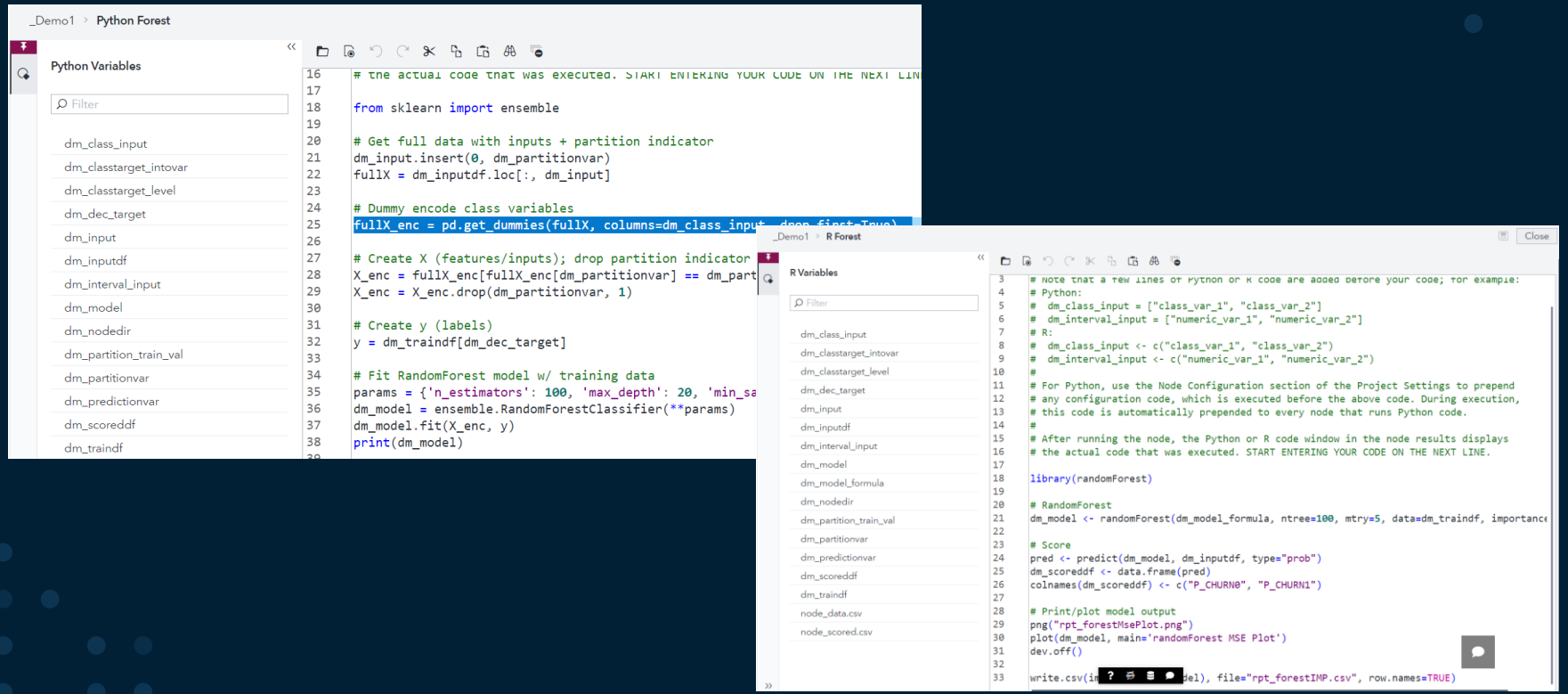
SAS Model Studio

Incorporate SAS 9 Code | SAS Code node



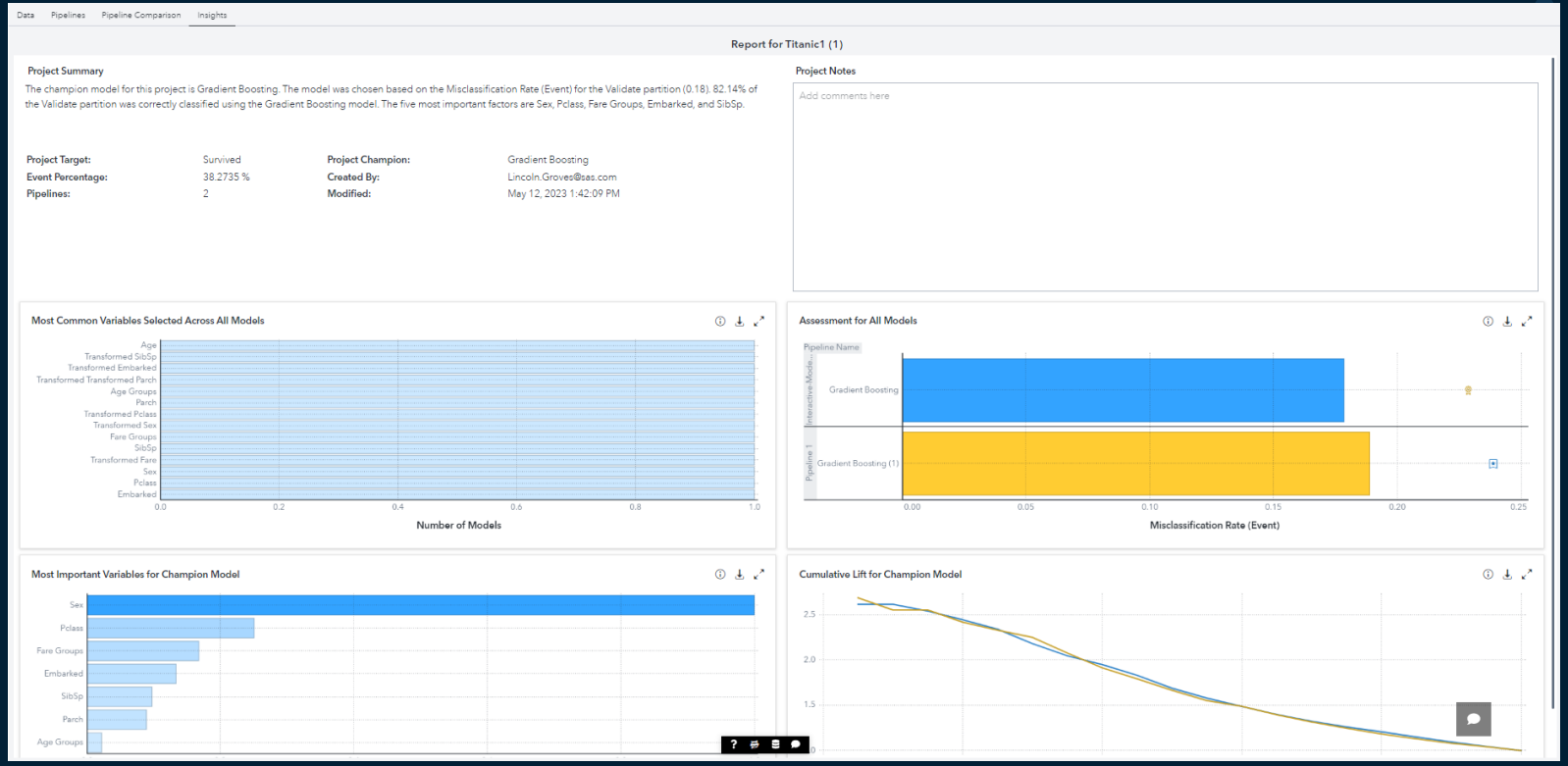
SAS Model Studio

Incorporate R + Python code | Open-Source Code node



SAS Model Studio

Need help with storytelling? | Use AI generated Insights

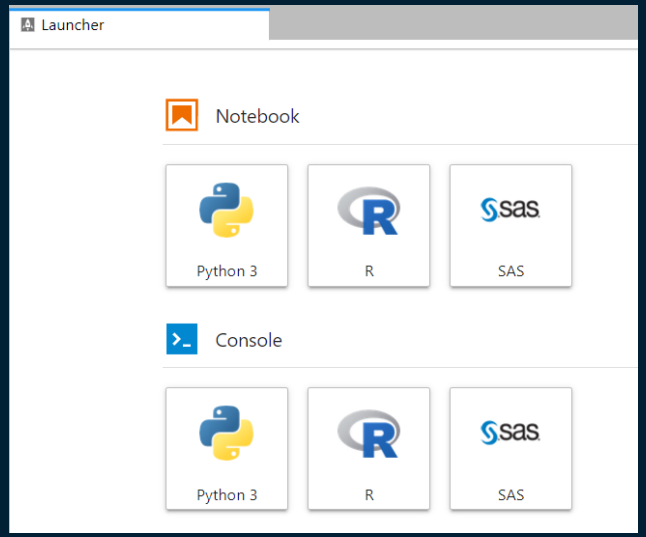


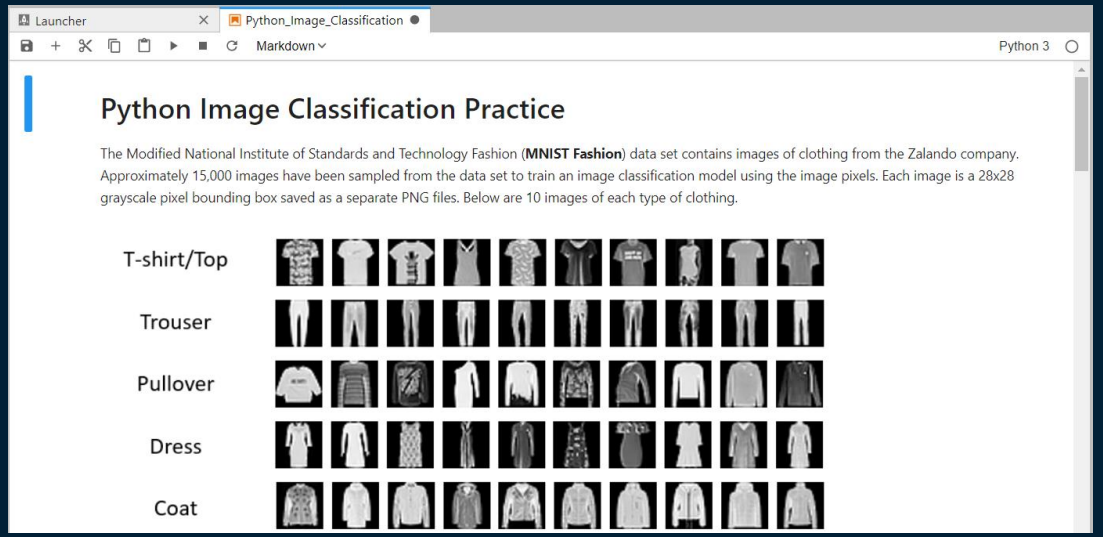
Part IV: Jupyter

Where to get your open-source fix

Jupyter

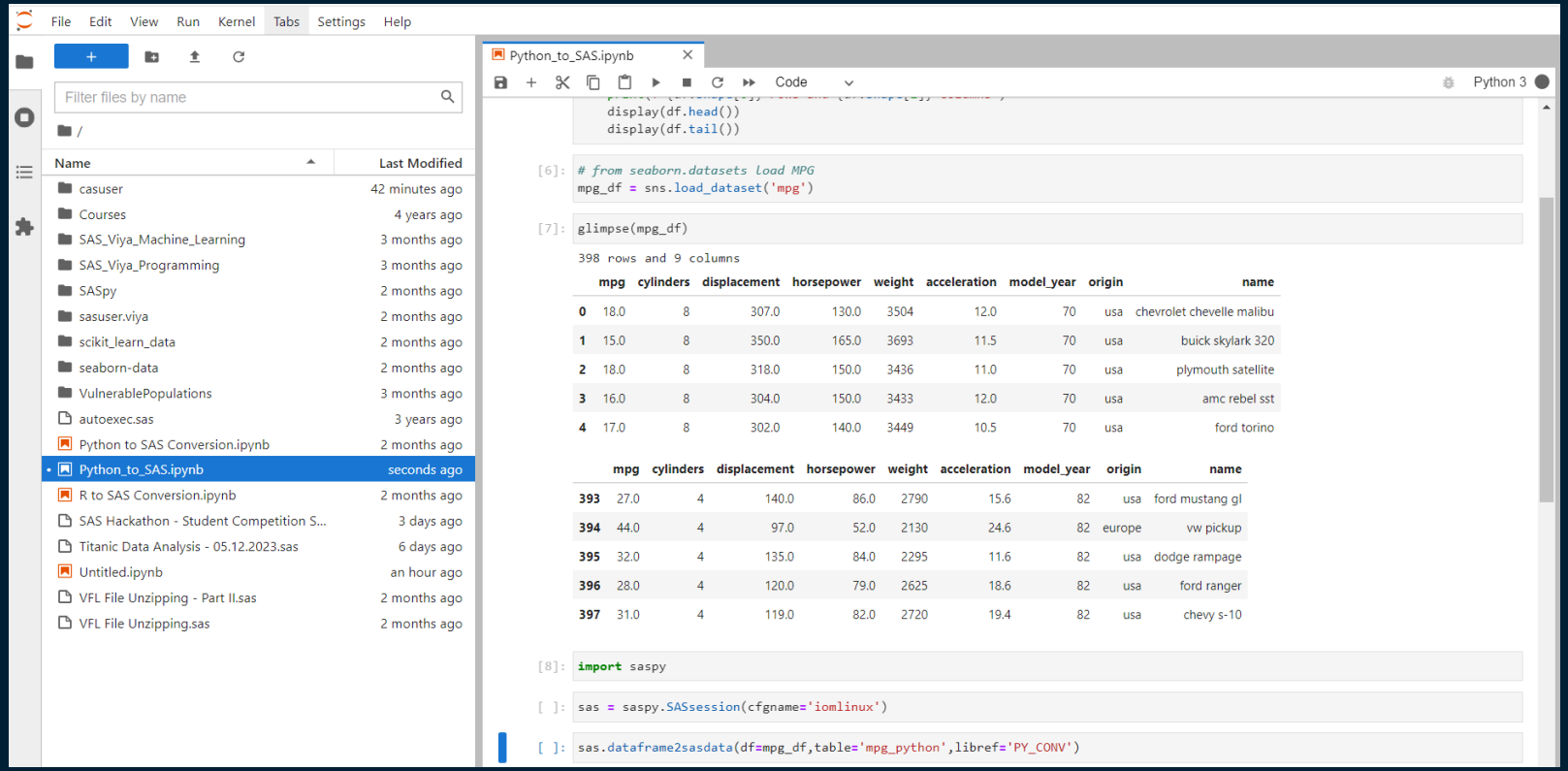
Better together | Run R, Python, and SAS Notebooks





Jupyter

Prefer to wrangle data in open source? | Convert open-source data to SAS



Jupyter

Want access to more data for teaching and learning? | Import open-source data