

# Education Analytical Suite

Delivering powerful SAS® advanced analytics for teaching and academic research



## Challenges

### Teaching

- Increased demand in the global economy for advanced analytics skills.
- Pressure from students, parents and higher education leaders to prepare students for securing jobs after graduation.
- Providing the foundation for building transferable skills and experiences students can bring to the workplace.

### Research

- Managing collected research data involves large amounts of disparate data from multiple sources, in multiple formats.
- Modeling and extracting insights from data quickly and easily.

The explosion of data and use of technology in our society have affected almost everyone. This data-driven culture requires skills in analyzing big data and discovering insights hidden within.

Academic institutions are rising to the challenge and arming students with the analytic skills they need to secure jobs in today's global economy. As learning institutions adapt to these changing dynamics, they are creating new academic programs focused on developing these deep analytic skills - which are highly in demand in both the private and public sectors.

For academic researchers who need to tackle key problems and support their institutions' research priorities, SAS offers a powerful analytics suite to extract deeper meaning and insights from their data. Teaching professionals have been using SAS in the classroom for more than 40 years in a wide variety of data-rich disciplines. SAS continues to offer teaching and research professionals the same world-class software and support that's used by over 83,000 business, government and university sites around the world.

The Education Analytical Suite for teaching and academic research integrates several SAS Analytics foundation software products in a bundle exclusively available for educational professionals who want superior analytic tools.

As always, we remain committed to supporting teaching and academic research communities through a broad range of analytic capabilities that meet the needs of teaching and academic research professionals. That's why the Education Analytical Suite is offered at a substantially reduced price that allows for flexible licensing options in both the server and PC environment, and is designed to meet the distinct needs of a variety of users for innovation and skill development.

## Solution Overview

### Comprehensive suite of analytic capabilities

The Education Analytical Suite provides a comprehensive array of advanced analytic capabilities for statistical analysis, forecasting, econometrics, operations research and quality control. Academic researchers can advance the scientific discovery process by applying the latest statistical techniques. They can uncover trends, identify issues or summarize findings on large or small volumes of data. Instructors can teach analytics skills to help students become more competitive in the job market.

### Data integration

Regardless of native format or platform, SAS can quickly and easily integrate data from the most popular platforms - including PC files, relational databases, data warehouse appliances or legacy mainframe systems.

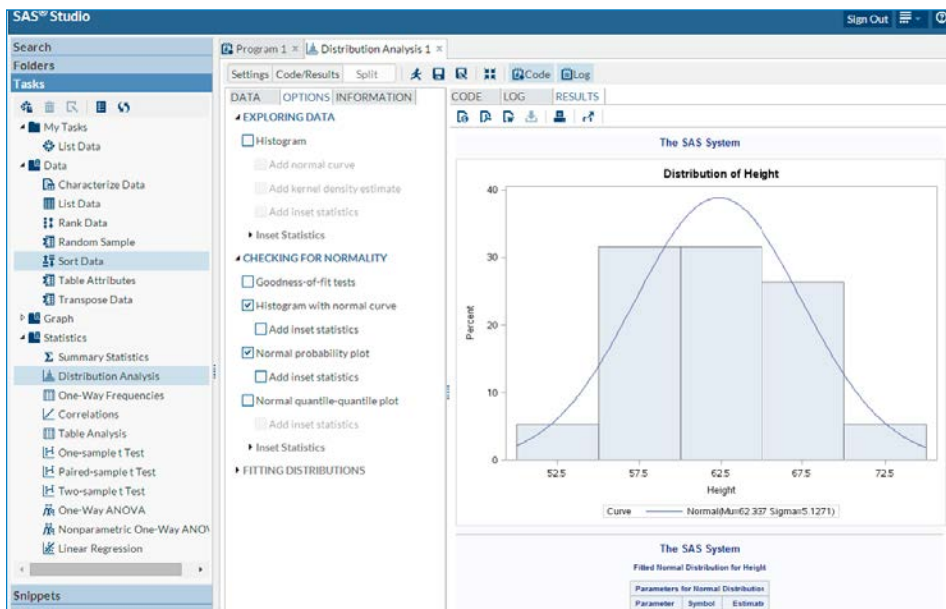
## Free web-based training

The SAS Academic Hub is a one-stop shop for university students and educators interested in learning and teaching SAS.

Discover 14 free e-learning courses that lead to six unique certifications, from base programming to machine learning. In addition, the SAS Academic Hub includes certification exam prep materials such as tutorials, webinars, select practice exams and links to SAS communities. Educators can access 100 free teaching kits, making it easy to integrate SAS learning and analytics knowledge into their curriculum.

The SAS Academic Hub provides access to these certifications and courses:

- **SAS Certified Specialist: Base Programming Using SAS 9.4**
  - » SAS Programming 1: Essentials
  - » SAS Programming 2: Data Manipulation Techniques
- **SAS Certified Professional: Advanced Programming Using SAS 9.4**
  - » SAS Programming 3: Advanced Techniques and Efficiencies
  - » SAS Macro Language 1: Essentials
  - » SAS SQL 1: Essentials
- **SAS Certified Predictive Modeler Using SAS® Enterprise Miner™ 14**
  - » Applied Analytics Using SAS Enterprise Miner
- **SAS Certified Statistical Business Analyst Using SAS®9: Regression and Modeling**
  - » Statistics 1: Introduction to ANOVA, Regression, and Logistic Regression
  - » Predictive Modeling Using Logistic Regression
- **SAS Certified Specialist: Machine Learning Using SAS® Viya® 3.4**
  - » Machine Learning Using SAS Viya
- **SAS Certified Specialist: Visual Business Analytics 7.5/8.3**
  - » SAS Visual Analytics 1 for SAS Viya: Basics
  - » SAS Visual Analytics 2 for SAS Viya: Advanced
- **SAS® Enterprise Guide®:**  
**No certification**
  - » SAS Enterprise Guide 1: Querying and Reporting
  - » SAS Enterprise Guide 2: Advanced Tasks and Querying
  - » SAS Enterprise Guide: ANOVA, Regression, and Logistic Regression



Using SAS Studio autocomplete increases developer efficiency and reduces coding errors.

## The SAS® Difference

- Flexible, low-cost licensing options that meet the needs of teaching and academic research professionals.
- Comprehensive analytic capabilities.
- Seamless, secure data management regardless of native format or platform.
- Free access to award-winning e-learning modules to quickly bring users up to speed.

## The Education Analytical Suite includes:

- Base SAS\*
  - SAS/OR®
  - SAS/ACCESS®
  - SAS/QC®
  - SAS/AF®
  - SAS/SHARE®
  - SAS/ASSIST®
  - SAS/STAT®
  - SAS Bridge for Esri
  - SAS Studio
  - SAS/CONNECT®
  - Optional separate SAS Metadata Server
  - SAS/EIS®
  - Education Analytical Suite Clients
    - SAS Management Console
    - SAS Enterprise Guide
  - SAS Enterprise Guide
  - SAS/ETS®
  - SAS Bridge for Esri client
    - SAS Bridge for Esri
  - SAS/FSP®
  - SAS/GRAPH®
  - SAS/IML®
  - SAS Integration Technologies
- \*Starting at SAS 9.4, Base SAS includes SAS/SECURE® functionality.

## To Learn More

To learn more about the Education Analytical Suite, download white papers, view screenshots and see other related material, please visit [sas.com/education-analytical-suite](https://sas.com/education-analytical-suite).

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