SAS Education

2013

Grow with us

Training by Curriculum
SAS® Certification
Conferences and Events

sas.com/training
The analytics revolution is sweeping away old ways of thinking and making things possible now that we could only dream of before. With SAS High-Performance Analytics, you can explore millions of rows of data simultaneously. For example, marketing optimization models that previously took 20 hours to complete can now be returned in 20 seconds. And every day, more than 60,000 business, government, and university sites use SAS® software to unlock the power of analytics and big data.

What better time to join SAS professionals who, over nearly 40 years, have watched SAS technology transform the way their organizations do business. SAS Education offers the most complete and up-to-date curriculum of SAS courses in the world – see how SAS training can grow your career.

Jim Goodnight
CEO

SAS Education Takes You Where You Want to Go

When you choose SAS Education, you make the best investment of your time and money. As the world leader in business intelligence and analytical software, SAS improves performance and provides insight to 60,000 business, government and university sites in more than 130 countries. Wherever in the world your staff are, you can be assured that world-class education and training from SAS Education is available.

We are the recognized leader in delivering the most comprehensive, state-of-the-art SAS training in the industry.

Engaging with SAS Education gives you:

**Firsthand SAS® Knowledge**
Nobody knows SAS software and its advantages better than SAS personnel. And nobody has more information on new and pending developments.

**World-Class Instructors**
SAS instructors are recognized for their outstanding teaching skills and as thought leaders in their areas of instruction. Every SAS instructor has earned a SAS Certified Professional credential. In addition, they undergo rigorous, internal certifications on a chapter-by-chapter basis before teaching your course.

**Expert Instructional Design**
Our goal is to transfer knowledge and develop applicable skills. To achieve this, our courses are carefully designed using a combination of comprehensive course notes, lectures as well as software demonstrations, question-and-answer sessions, and hands-on computer workshops.

**Customizable Content**
Our experts will work closely with you to tailor a training path based on your individual needs. Our assessments will determine how you can get the help you need to excel in your job.

**Rapid SAS® Deployment**
With courses at all skill levels, we meet you at your level of knowledge. After your first course, you will be productive with SAS software. Deploying SAS software has never been faster or easier.

**Flexibility on All Levels**
Our customizable courses can be delivered how and where you need them. Over the Web or in person, at your premises or in one of our high-tech training centers, we can tailor our training to meet your needs.

**Long-Term Customer Relationships**
We are proud of the long-term relationships we have built with our customers. Your continued and future success is our highest priority.
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## How to Register

Contact your local SAS® Education office, see page 29.
I’m proud to announce that we’ve launched new courses to help you exploit the power of big data through SAS Visual Analytics and SAS High-Performance Analytics. Also, thanks to your feedback, we’ve made our current training even better, demonstrating how you can take advantage of new developments in SAS technology. We offer courses at centers around the globe, at your site and online to provide you with the flexibility to get the SAS training you need, when you need it. Each course you invest in helps to develop your analysts, programmers and administrators so your organization can fully realize the power of SAS.

Larry Stewart
Vice President of SAS Education

Public courses are taught at SAS training facilities around the globe. Our instructors deliver critical SAS knowledge and helpful tips using a combination of expertly designed lectures and software demonstrations, question-and-answer sessions and hands-on computer workshops for an interactive learning experience that is second to none.

Custom training services have the same quality content and instructional design as our public courses. This training is delivered at your convenience in a private setting of your choosing. Create customized training that is optimized for your team by selecting any course from our full curricula, combining course segments, or having new training written for you.

Live Web classes bring instructor-led training directly to your desktop. Using a Web browser and telephone, you can interact with an instructor, who guides your learning and answers your questions in real time.

SAS e-Learning provides immediate access to award-winning training at your desktop 24/7. Be sure to check out the ever-expanding list of short e-Lectures as well as the dynamic and engaging multimedia e-Courses. SAS e-Learning allows you to train without travel time and cost.

Business Knowledge Series is a unique partnership between SAS and external professionals who bring their real-world knowledge directly to you. The courses are authored by respected practitioners who use SAS to solve common business problems.

SAS Certification recognizes excellence using SAS software. With growing, worldwide demand for professionals with a high level of SAS software knowledge, certification can help you distinguish yourself as a leading SAS professional.

For the most current information on what we offer, visit us on the Web at sas.com/training.
Our custom-made courses, workshops and seminars are affordable, flexible and ideal for small or large groups.

**You choose:**
- Course topics: tailored to your needs or have a standard course delivered just for your staff.
- Course data: standard course data can be provided or your own data can be used.
- Dates: to suit your project timescales.
- Location: your premises, a SAS Training Center or a third-party location.

If you would like training at your premises but do not have suitable training equipment, we can provide a setup service upon request.

Our custom-made courses combine lectures, software demonstrations, hands-on computer workshops and course notes.

**We deliver:**
- SAS accredited instructor
- Tailored course notes and exercises
- Hands-on workshops
- Post-course evaluation

To book your custom event, simply contact your local SAS Education office (see location listing on page 29).

Learn more or register here: Contact your local SAS Education office, see page 29.
“What an excellent class! It far exceeded my expectations. I walked away with many new techniques that I can use in my everyday tasks.”

Clifford Berryman,
Senior Informatics Analyst
Get SAS® Certified

Experience is a critical component to becoming a SAS® Certified Professional. The diagrams below illustrate available credentials and training options that can help you prepare for the required examinations.

Earning the only globally recognized credential from SAS can set you, your team and your organization apart from the competition.

SAS Certification:
- helps managers select qualified professionals
- can increase individual and work group productivity
- supports world-class organizations with a metric to attract the brightest and retain the best employees

Accelerate your potential by earning SAS Global Certification credentials.

sas.com/certify

SAS® Certified Clinical Trials Programmer Using SAS®9

SAS® Certified Advanced Programmer for SAS®9

SAS® Certified Base Programmer for SAS®9

SAS® Certified Platform Administrator for SAS®9

SAS® Certified BI Content Developer for SAS®9
foundation programming

Build a strong SAS® programming foundation to manipulate your data, perform complex queries and simple analyses and generate reports. Gain the knowledge needed to become certified as a Base or Advanced SAS® programmer.
sas.com/paths/prg

Advanced and Specialty Courses
- Advanced Output Delivery System Topics
- NEW ODS Graphics: Essentials
- Processing Database and Spreadsheet Data with SAS/ACCESS® Software
- Producing Maps with SAS/GRAPH®
- SAS® Certification Review: Base Programming for SAS®9
- SAS® Enterprise Guide® for Experienced SAS® Programmers
- SAS/GRAPH® 1: Essentials
- SAS® Macro Language 2: Advanced Techniques
- NEW SAS® SQL 2: Processing Data Efficiently in Real-World Scenarios
- NEW Using SAS® Output in Microsoft Excel

Business Knowledge Series
- Data Cleaning Techniques
- NEW Healthcare Data and the SAS® System: Hands-On Programming Workshop
- SAS® Functions by Example

Recommended Certifications
- SAS® Certified Base Programmer for SAS®9
- SAS® Certified Advanced Programmer for SAS®9
- SAS® Certified Clinical Trials Programmer Using SAS®9

NEW Please find more information about SAS Certification on page 5.

sas.com/paths/eg

Advanced and Specialty Courses
SAS® Enterprise Guide®: ANOVA, Regression, and Logistic Regression

Business Knowledge Series
NEW Advanced Analytics for the Modern Business Analyst

SAS® Global Certification
A world of opportunity

Increase your career and business opportunities.
Earn global recognition for your SAS expertise.
Distinguish yourself in today’s competitive job market.

sas.com/certify
Expert Course Design

97% of our customers rated our course designs as good or excellent.

“The course covered all the topics that I wanted to learn in concise, easy to understand format.”

Laura Pottorff,
Marketing Analyst
advanced analytics
 statistical analysis

Statistically analyze and interpret data with SAS® programs or SAS® Enterprise Guide® to make data driven decisions.
sas.com/paths/stat

For SAS® Programmers
- Statistics 1: Introduction to ANOVA, Regression, and Logistic Regression
- Survival Analysis Using the Proportional Hazards Model
- Statistics 2: ANOVA and Regression
- Categorical Data Analysis Using Logistic Regression
- Multivariate Statistical Methods: Practical Applications
- NEW Structural Equation Modeling Using SAS®
- Longitudinal Data Analysis with Discrete and Continuous Responses
- Bayesian Analysis Using SAS®
- Mixed Models Analyses Using SAS®
- Statistical Analysis with the GLIMMIX Procedure
- Probability Surveys 1: Design, Descriptive Statistics, and Analysis

For SAS® Enterprise Guide® Users
- SAS® Enterprise Guide®: ANOVA, Regression, and Logistic Regression

Advanced and Specialty Courses
- Advanced Statistical Modeling Using the NLMIXED Procedure
- Applied Clustering Techniques
- Determining Power and Sample Size Using SAS/STAT® Software
- Fitting Poisson Regression Models Using the GENMOD Procedure
- Introduction to Programming with SAS/IML® Software
- Managing SAS® Analytical Models Using SAS® Model Manager
- Neural Network Modeling
- Statistical Process Control Using SAS/QC® Software

Business Knowledge Series
- Advanced Analytics for Customer Intelligence Using SAS®
- NEW Advanced Analytics for the Modern Business Analyst
- NEW Analytics: Putting It All to Work
- Applying Survival Analysis to Business Time-to-Event Problems
- Credit Scorecard Development and Implementation
- Custom Designs for Experiments
- Fitting Tobit and Other Limited Dependent Variable Models
- Imputation Techniques in SAS®
- Introduction to Statistical Concepts: Means, Standard Deviations, Confidence Intervals, and Hypotheses Testing

Learn more or register here: Contact your local SAS® Education office, see page 29.
advanced analytics

Statistically analyze and interpret business data for a broad range of applications. Gain the knowledge needed to become a SAS® certified Statistical Business Analyst.
sas.com/paths/bustat

Principles and Best Practices

NEW Advanced Analytics for the Modern Business Analyst
NEW Analytics: Putting It All to Work

Business Analytics

Statistical Business Analyst Certification

Statistics 1: Introduction to ANOVA, Regression, and Logistic Regression
Predictive Modeling Using Logistic Regression
Applying Survival Analysis to Business Time-to-Event Problems

Market Research

Multivariate Statistical Methods: Practical Applications
Applied Clustering Techniques
Design of Experiments for Direct Marketing

Advanced and Specialty Courses

Advanced Statistical Modeling Using the NLMIXED Procedure
Business Forecasting Using SAS®: A Point-and-Click Approach
Categorical Data Analysis Using Logistic Regression
Determining Power and Sample Size Using SAS/STAT® Software
Fitting Poisson Regression Models Using the GENMOD Procedure
Managing SAS® Analytical Models Using SAS® Model Manager
Maximizing Campaign Efficiency with SAS® Marketing Optimization
Mixed Models Analyses Using SAS®
Neural Network Modeling
Probability Survey 1: Design, Descriptive Statistics, and Analysis
Statistical Analysis with the GLIMMIX Procedure
Statistical Process Control Using SAS/QC® Software
Statistics 2: ANOVA and Regression

e-Learning Courses

Rapid Predictive Modeling for Business Analysts

Business Knowledge Series

Advanced Analytics for Customer Intelligence Using SAS®
Credit Scorecard Development and Implementation
Custom Designs for Experiments
Fitting Tobit and Other Limited Dependent Variable Models
Getting the Most Out of Testing in Direct/Internet Marketing
Imputation Techniques in SAS®
Introduction to Statistical Concepts: Means, Standard Deviations, Confidence Intervals, and Hypotheses Testing
Multilevel Modeling of Hierarchical and Longitudinal Data Using SAS®
Multiple Comparisons and Multiple Tests Using SAS®

Recommended Certifications

SAS® Certified Statistical Business Analyst Using SAS®: Regression and Modeling

Please find more information about SAS Certification on page 5.
advanced analytics

econometrics and forecasting

Use SAS® to develop forecasting or econometric models that will empower your organization to make informed decisions.
sas.com/paths/for

Econometrics

Introduction to Applied Econometrics

Advanced Topics in Applied Econometrics

Forecasting

Forecasting Using SAS® Forecast Server Software

Using SAS® High-Performance Forecasting Software

Forecasting Using SAS® Software: A Programming Approach

Stationarity Testing and Other Time Series Topics

NEW Electric Load Forecasting: Fundamentals and Best Practices

Modeling Trend Cycles and Seasonality in Time Series Data Using PROC UCM

Advanced and Specialty Courses

Business Forecasting Using SAS®: A Point-and-Click Approach

Business Knowledge Series

Advanced Analytics for Customer Intelligence Using SAS®

Getting the Most Out of Testing in Direct/Internet Marketing

Forecast Value Added Analysis

operations research and quality control

Develop mathematical optimization models to enhance manufacturing, transportation systems and supply chain. Monitor and control your processes.
sas.com/paths/or

Operations Research

Building and Solving Optimization Models with SAS/OR®

Maximizing Campaign Efficiency with SAS® Marketing Optimization

Statistical Process Control

Statistical Process Control Using SAS/QC® Software

NEW JMP® Software: Measurement System Analysis

NEW JMP® Software: Statistical Process Control

Learn more or register here: Contact your local SAS® Education office, see page 29.
The instructor is plain and simple one of the best, if not the best instructor, I’ve ever had in any educational setting. His level of knowledge about the subject is outstanding and his approach to instruction is excellent. I can tell that he really loves what he does and OWNS it, meaning that for him it really matters what we get out from what he teaches.”

Ramon Toledo,
Survey Statistician, US Census Bureau
Learn to use SAS® Enterprise Miner™ or write SAS® code to develop predictive models, segment customers and apply these techniques to a range of business applications. Gain the knowledge you need to become a SAS® certified Predictive Modeler.

sas.com/paths/dm

**Principles and Best Practices**

- NEW Advanced Analytics for the Modern Business Analyst
- NEW Data Mining: Principles and Best Practices
- NEW Analytics: Putting It All to Work
- Data Mining Techniques: Theory and Practice
- Survival Data Mining: Predictive Hazard Modeling for Customer History Data
- Net Lift Models: Optimizing the Impact of Your Marketing Efforts

**SAS® Programmers**

- Predictive Modeling Using Logistic Regression
- Decision Tree Modeling

**SAS® Enterprise Miner™ Users**

- Predictive Modeler Certification
- Applied Analytics Using SAS® Enterprise Miner™
- Text Analytics Using SAS® Text Miner
- Customer Segmentation Using SAS® Enterprise Miner™
- Decision Tree Modeling

**Advanced and Specialty Courses**

- Advanced Predictive Modeling Using SAS® Enterprise Miner™
- Applied Clustering Techniques
- Data Preparation for Data Mining
- Development of Credit Scoring Applications Using SAS® Enterprise Miner™
- Extending SAS® Enterprise Miner™ with User-Written Nodes
- Managing SAS® Analytical Models Using SAS® Model Manager
- Neural Network Modeling
- SAS® Enterprise Miner™: Administration

**Business Knowledge Series**

- Advanced Analytics for Customer Intelligence Using SAS®
- Applying Survival Analysis to Business Time-to-Event Problems
- Credit Scorecard Development and Implementation
- Custom Designs for Experiments
- Exploratory Analysis for Large and Complex Problems Using SAS® Enterprise Miner™
- The Art and Science of Insurance Fraud Detection
- Web Analytics and Web Intelligence Using SAS®

**Text Analytics Courses**

- SAS® Content Categorization Studio: Building Models
- SAS® Sentiment Analysis Studio: Building Models

**e-Learning Courses**

- Rapid Predictive Modeling for Business Analysts

**Recommended Certifications**

- SAS® Certified Predictive Modeler Using SAS® Enterprise Miner™

Please find more information about SAS Certification on page 5.
advanced analytics

JMP® statistical analysis

Improve process and product quality by using JMP® software to optimally design experiments and dynamically visualize statistical data analyses.

sas.com/paths/jmp

Advanced and Specialty Courses

- Applied Statistics for Scientists
- Applied Statistics for Engineers
- JMP® Software: Analysis of Dose-Response Curves
- JMP® Software: Stability Analysis
- Predictive Modeling Using JMP® Pro
- Product Reliability Using JMP® Software

Business Knowledge Series

- Custom Designs for Experiments
- Quality by Design (QbD) Using JMP® Software
advanced analytics

six sigma

Use Lean and Six Sigma techniques to remove defects, reduce work variation and eliminate non-value-added work for breakthrough process improvements.

sas.com/paths/ss

NEW Lean Six Sigma for Leaders

Lean Six Sigma Green Belt Project Leader

NEW Black Belt Process Excellence with Lean Six Sigma

NEW Yellow Belt with Lean Six Sigma

Learn more or register here: Contact your local SAS® Education office, see page 29.
**business intelligence**

**SAS® Office Analytics**

Leverage the power of SAS® Analytics from a familiar Microsoft Office interface. SAS® Enterprise Guide®, stored processes, and the SAS® Web Parts for Microsoft SharePoint provide additional functionality for sharing information across the organization.

[sas.com/paths/bi](sas.com/paths/bi)

**SAS® Visual Analytics**

Explore big data using in-memory capabilities to better understand all of your data, discover new patterns, and publish reports to the Web and mobile devices.

[sas.com/paths/bi](sas.com/paths/bi)

**Application/Technology Area**

Create and optimize OLAP cubes for multidimensional reporting and analysis. Create advanced stored processes and stored process applications. Customize the look of SAS® Web applications.

[sas.com/paths/bi](sas.com/paths/bi)

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**Advanced and Specialty Courses**

- Developing Applications with SAS/AF® Software
- JMP® Software: Data Exploration
- SAS® Enterprise Guide® 1: Querying and Reporting
- SAS® Web Tools: Static and Dynamic Solutions Using SAS/IntrNet® Software
- SAS® Web Tools: Advanced Dynamic Solutions Using SAS/IntrNet® Software

**e-Learning Courses**

- SAS® OLAP Environment: Administration
- Using SAS® Client Applications with SAS® Grid Manager
- Using SAS® OLAP Cubes to Create Multidimensional Reports
- What’s New in the SAS® BI Clients 4.3 Release
- **NEW** What’s New in the SAS® Add-In 5.1 for Microsoft Office, SAS® Enterprise Guide® 5.1, and SAS® 9.3 Stored Processes

**Business Knowledge Series**

Promoting Business Analytics across the Enterprise

**Recommended Certifications**

- SAS Certified BI Content Developer for SAS®9

*Please find more information about SAS Certification on page 5.*
Use the business intelligence capabilities of the platform for SAS Business Analytics to create a comprehensive and easy-to-use environment for reporting and analysis.

sas.com/paths/bi

Getting Started

NEW Management Overview: Exploring the Platform for SAS Business Analytics
NEW Getting Started with the Platform for SAS Business Analytics

Information Consumers

Accessing SAS from Microsoft Office Applications
NEW SAS Business Intelligence Reporting: Fast Track
OR
Personalizing the SAS Information Delivery Portal
Using SAS Web Report Studio

Power Users

BI Content Developer Certification
Creating BI Dashboards Using SAS
Creating Business Intelligence for Your Organization: Fast Track
OR
Creating Information Maps Using SAS
Creating Stored Processes Using SAS 1: Essentials

Learn more or register here: Contact your local SAS Education office, see page 29.
information management

data integration

Collect and manage data stores using SAS® Data Integration Studio.
sas.com/paths/im

Advanced and Specialty Courses
Designing, Tuning, and Maintaining SAS® OLAP Cubes
NEW SAS® Enterprise Scheduling with Platform Suite for SAS®

e-Learning Courses
Accessing Data in the SAS® Scalable Performance Data Server®
SAS® Data Integration Studio: Administration
SAS® Scalable Performance Data Server®: Administration
Using SAS® Client Applications with SAS® Grid Manager

Recommended Certifications
SAS® Certified Data Integration Developer for SAS®

Please find more information about SAS Certification on page 5.
Install, configure and maintain the platform for SAS® Business Analytics.

sas.com/paths/admin

Platform Administrator Certification

- SAS® Platform Administration: Getting Started
- SAS® Platform Administration: Fast Track
- SAS® Platform Administration 1: Essentials
- SAS® Platform Administration 2: Security

NEW Installing and Configuring the SAS® Intelligence Platform

**application/technology area**

Administer and maintain SAS® applications.

sas.com/paths/admin

- SAS® Enterprise Guide®: Administration
- SAS® Data Integration Studio: Administration
- SAS® Scalable Performance Data Server®: Administration
- SAS® Grid Manager 9.2: Administration
- SAS® Enterprise Scheduling with Platform Suite for SAS®
- SAS® Enterprise Miner®: Administration
- SAS® OLAP Environment: Administration

**solutions**

Administer and maintain SAS® solutions.

sas.com/paths/admin

- Creating and Administering Scorecard Projects
- SAS® Merchandise Planning 6.1: Administration Training
- SAS® Retail Planning 7.2: Solution Administrator Fundamentals
- SAS® Human Capital Management Administration

Recommended Certifications

SAS® Certified Platform Administrator for SAS®9

Please find more information about SAS Certification on page 5.
inbound and outbound marketing

Execute and optimize channel campaign management strategies.
sas.com/paths/mkt

Real-Time Decision Manager
- Using SAS® Real-Time Decision Manager

Digital Marketing
- Managing Broadcasts Using SAS® Digital Marketing

Marketing Automation
- Designing and Executing Marketing Campaigns with SAS® Customer Intelligence Studio
- Managing the SAS® Marketing Automation Data Environment

Marketing Optimization
- Maximizing Campaign Efficiency with SAS® Marketing Optimization

online and social marketing

Harness the customer data coming from your online and social media channels.
sas.com/paths/online

Customer Experience Analytics
- SAS® for Customer Experience Analytics: Accessing and Interpreting Reports
- SAS® for Customer Experience Analytics: Normalization
- SAS® for Customer Experience Analytics: Customizing Business Content
- SAS® for Customer Experience Analytics: Data Integration

Web Analytics
- SAS® Web Analytics: Creating and Interpreting Reports
- Web Analytics and Web Intelligence Using SAS®

Business Knowledge Series
- NEW Analytics: Putting It All to Work

e-Lecture Series
- Introduction to SAS® for Customer Experience Analytics
Incorporate an enterprisewide strategy for dealing with all security-related matters to enable more successful detection, prevention and investigation efforts.

sas.com/paths/fraud

Anti-Money Laundering

SAS® Anti-Money Laundering: Using the Investigation Interface

SAS® Fraud Framework

SAS® Fraud Framework: Using the Social Network Analysis Interface

Enterprise Case Management

SAS® Enterprise Case Management: Using the Interface

Business Knowledge Series

The Art and Science of Insurance Fraud Detection

Learn how to track and reduce losses, improve capital management and foster a risk-aware culture.

sas.com/paths/risk

Risk management tools

Assess market, credit or operational risk to comply with internal policies or external regulations.

sas.com/paths/risk

sas.com/paths/risk

What's New in SAS® Risk Dimensions® 5.2

Credit Risk Modeling Using SAS®

SAS® Risk Dimensions®: Configuration

Credit Scorecard Development and Implementation

Development of Credit Scoring Applications Using SAS® Enterprise Miner®

SAS® Risk Dimensions®: Analysis
merchandise planning

Efficiently create, deliver and execute plans to maximize sales and margins while minimizing inventory costs and improving company performance.

sas.com/paths/mp

Integrated Merchandise Planning

- SAS® Merchandise Planning 6.1: Pre-Solution Definition Workshop Overview
- SAS® Merchandise Planning 6.1: Administration Training

Space Management

- Using SAS® Retail Space Management Client 6.2

Allocation

- Using SAS® Merchandise Allocation 2.8

Advanced and Specialty Courses

NEW SAS® Retail Planning 7.2: Solution Administrator Fundamentals
NEW Using Plans in SAS® Retail Planning 7.2
SAS® Merchandise Planning 6.1.3: Template Manager Workshop
Setting Up SAS® Merchandise Planning 6.1.3
Using PA Views and Planning Worksheets in SAS® Merchandise Planning 6.1.3
Using Plan Management in SAS® Merchandise Planning 6.1.3
Using SAS® Demand Forecasting for Retail

merchandise intelligence

revenue optimization

Leverage a complete lifecycle pricing suite built on a common demand intelligence platform to implement optimal pricing strategies.

sas.com/paths/ro

Markdown Optimization

- Solution Orientation for SAS® Markdown Optimization 5.2
- Using SAS® Markdown Optimization 5.2
- SAS® High-Performance Markdown Optimization 4.3 Analytics and Modeling

Regular Price Optimization

- Solution Orientation for SAS® Regular Price Optimization 5.2
- Using SAS® Regular Price Optimization 5.2

Promotion Optimization

- Solution Orientation for SAS® Promotion Optimization 5.2
- Using SAS® Promotion Optimization 5.2
merchandise intelligence
size optimization

Intelligently identify and implement optimal size profiles for future ordering and allocation of merchandise to stores in the most timely and cost-efficient manner.
sas.com/paths/so

Solution Orientation for SAS® Size Optimization 3.2
Using SAS® Size Profiling 3.2
Using SAS® Pack Optimization 3.2

Fulfilled Personal Objectives

92% of our customers rated our courses as meeting their personal objective goals to a good or excellent degree

“In the class, I found many ways to do my work more efficiently! The in-class, hands-on practice was VERY helpful. And, the instructor was very good: welcomed questions; easy to interact with and very approachable.”

Kritika Thapa
it intelligence

Analyze, monitor and anticipate the utilization and performance of the IT infrastructure by providing an enterprisewide view of IT services and resources.

sas.com/paths/it

IT Resource Management

SAS® IT Resource Management: Administration
SAS® IT Resource Management: Reporting

health and life science

life sciences

Organize, standardize and manage clinical research data and metadata. Efficiently develop, execute and manage the transformation, analysis and submission of clinical research data.

sas.com/paths/lifesci

Clinical Data Integration

SAS® Clinical Data Integration: Essentials

Clinical Trials Programmer Certification

SAS® Programming 1: Essentials
SAS® Macro Language 1: Essentials
Statistics 1: Introduction to ANOVA, Regression, and Logistic Regression
SAS® Report Writing 1: Essentials
SAS® Programming 2: Data Manipulation Techniques

SAS® Drug Development

NEW SAS® Drug Development Essentials
NEW SAS® Drug Development for Programmers/Analysts

Recommended Certifications
SAS® Certified Clinical Trials Programmer Using SAS®9

Please find more information about SAS Certification on page 5.
Integrate warranty data with key customer, product, manufacturing and geographic information so you can make informed, timely decisions and reduce warranty costs. Reduce contact center costs and increase customer satisfaction and retention using advanced forecasting and optimization.

sas.com/paths/supply

Contact Center Planning and Optimization

- NEW SAS® Contact Center Planning and Optimization for Capacity Planners
- NEW SAS® Contact Center Planning and Optimization: Analyst

Warranty Analysis

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