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Fritz Lehman, Executive Vice President and Chief Customer Officer of SAS

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What We Offer

Get the resources you need to expand your SAS[®] knowledge.

Classroom Training

Our certified instructors deliver SAS knowledge and valuable tips using a combination of expertly designed lectures, software demonstrations and hands-on computer workshops for a collaborative learning experience. Classes are taught in SAS facilities and training centers across the globe.

Live Web Classroom Training

Instructor-based training is brought directly to your desktop through a virtual lab where you can interact with an instructor and fellow classmates. Participate in quizzes, ask questions and complete hands-on workshops, all in real time.

On-Site Training Services

Convenient, flexible and affordable, our on-site training courses are perfect for small or large groups. Choose to have us come to your location, or use one of our training facilities to host training tailored to fit your group's business needs. To accommodate groups in varying locations we can set up a private Live Web classroom.

Contact your local SAS Education representative to book your custom event.

Mentoring Services

Schedule a SAS instructor for one to two days of mentoring services and become more confident with what you learned in class. Use your own data and code and gain peace of mind on your next big project.

Business Knowledge Series

This series is a unique collaboration between SAS and a global network of industry experts who deliver the most current information on business practices, concepts, methodology and techniques to help you get the most value out of your SAS investment.

SAS[®] E-Learning

SAS Education's self-paced learning products provide flexible, convenient online training options. SAS e-learning is available on demand and covers the same content as the corresponding instructor-led courses.

SAS[®] Certification

With growing, worldwide demand for professionals with a high level of SAS software knowledge, a certification from SAS will help you distinguish yourself as a leading SAS professional. Choose from 13 credentials to accelerate your career.

SAS[®] Global Academic Program

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- Free E-Courses
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- Free How-To Tutorials
- Teacher and Professor Online Community
- Ask the Expert

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SAS[®] Foundation Tools

Providing strength and integration for SAS products and solutions.

SAS is an integrated software system giving you the power to prepare and analyze your data. In this section, you'll find the following avenues for your journey.

Global Certifications

SAS[®] Base Programmer credential SAS[®] Advanced Programmer credential

Areas of Study

SAS^{*} **Programming** Base SAS^{*} software is the basis for an easy-to-learn, flexible programming language and serves as a foundation for SAS solutions.

SAS[°] Enterprise Guide[°] Deliver the power of SAS from an easy-to-use, point-and-click Windows interface.

SAS^{*} **Grid Manager** Maximize availability and processing for your analytics environment.





SAS[®] Base Programmer

Validate your knowledge of the SAS'9 programming language to assess, manipulate and summarize data.

Learn

- SAS Programming 1: Essentials
- SAS Programming 2: Data Manipulation Techniques
- SAS Certification Review: Base Programming for SAS'9

SAS Certification Prep Guide: Base Programming for SAS[®]9

Practice

SAS Certification Practice Exam: Base Programming for SAS[®]9

Get Certified

SAS Base Programming for SAS'9 exam

support.sas.com/certify/creds/bp



Continue your programming journey and build on your Base Programmer knowledge by demonstrating a high level of proficiency and expertise in tasks such as DATA step statements, interpreting SAS SQL code and using the SAS Macro facility.

*Must have a SAS Certified Base Programmer for SAS®9 credential.

Learn

- SAS Programming 3: Advanced Techniques and Efficiencies
- SAS Macro Language 1: Essentials
- SAS SQL 1: Essentials

Practice

SAS Certification Practice Exam: Advanced Programming for SAS'9

Get Certified

SAS Advanced Programming for SAS[®]9 exam

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SAS Certification Prep Guide: Advanced Programming for SAS[®]9

Foundation Tools



"My SAS credentials have helped me become a real expert. Thanks to my time spent on learning and earning these certifications, I can accomplish even the most difficult tasks." Base SAS software is the basis for an easy-to-learn, flexible programming language and serves as a foundation for SAS solutions.

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Get Started

- SAS Programming Introduction: Basic Concepts
- SAS Programming 1: Essentials
- SAS Programming 2: Data Manipulation Techniques
- SAS Certification Review: Base Programming for SAS'9

Advanced Base SAS* Programming

- SAS Programming 3: Advanced Techniques and Efficiencies
- SAS SQL 1: Essentials
- SAS Macro Language 1: Essentials
- SAS Macro Language 2: Advanced Techniques
- Exploring SAS Studio for SAS Programmers
- Exporting SAS Data Sets and Creating ODS Files for Microsoft Excel
- Taking Your SAS Programming Skills to the Next Level
- Data Cleaning Techniques
- SAS Functions by Example
- Administrative Healthcare Data and SAS
- Administrative Healthcare Data and SAS: Hands-On Programming Workshop 🖂

High-Performance Programming

- Introduction to SAS and Hadoop
- DS2 Programming: Essentials
- DS2 Programming Essentials With Hadoop

Creating Graphs and Report Writing

- SAS Report Writing 1: Essentials
- ODS Graphics: Essentials
- SAS/GRAPH^{*}: Essentials
- Producing Maps With SAS/GRAPH

Foundation Tools



Books

- Carpenter's Complete Guide to the SAS[®] Macro Language, Third Edition
- The SAS' Programmer's PROC REPORT Handbook: Basic to Advanced Reporting Techniques
- The DS2 Procedure: SAS* Programming Methods at Work

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Deliver the power of SAS from an easy-to-use, point-and-click Windows interface.

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Get Started

- SAS Enterprise Guide 1: Querying and Reporting
- SAS Enterprise Guide 2: Advanced Tasks and Querying
- SAS Enterprise Guide for Experienced SAS Programmers
- Creating Reports and Graphs With SAS Enterprise Guide

Expand Your Skills

- SAS Enterprise Guide: ANOVA, Regression and Logistic Regression
- Administering SAS Office Analytics and SAS Enterprise Guide
- Developing Custom Tasks for SAS Enterprise Guide 🗁

SAS[®] Grid Manager Training

Maximize availability and processing for your analytics environment.

support.sas.com/paths/gm

Get Started

- SAS Programming on the Grid
- SAS Grid Manager: Administration

Expand Your Skills

- SAS Enterprise Scheduling With Platform Suite for SAS
- SAS Platform Administration: Fast Track

Foundation Tools



Books

- The Little SAS[®] Book for Enterprise Guide
- SAS[®] Programming for Enterprise Guide Users
- Business Analytics Using SAS^{*} Enterprise Guide^{*} and SAS^{*} Enterprise Miner^{**}: A Beginner's Guide support.sas.com/books



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Where power meets purpose.

Our advanced analytics software can help solve even the most stubborn data mysteries. In this section, you'll find the following avenues for your journey.



SAS[°] Statistical Business Analyst credential Predictive Modeler Using SAS[°] Enterprise Miner[™] credential SAS[°] Advanced Analytics Professional credential

Areas of Study

Statistical Analysis

Leading-edge innovation to help statistically analyze and interpret data with SAS programs or SAS Enterprise Guide.

Data Science

Tackle your business data creatively using SAS Analytics in areas of math, statistics, programming and business acumen.

Forecasting and Econometrics

Use SAS to develop forecasting and econometric models to confidently plan your future.

Data Mining Rise to any challenge with big data predictive analytics.

Predictive Analytics and Machine Learning

Discover how to use data and analytics to learn from associations between inputs and outputs.

Text Analytics

Use SAS Text Miner to evaluate your unstructured data.

Optimization and Simulation Model the best solutions for solving real-world problems.

JMP[®] Statistical Analysis

Discover the full potential of your data with the most interactive visual statistics package.



SAS[®] Statistical O Business Analyst

Designed for SAS professionals who use SAS/STAT[®] software to conduct and interpret complex statistical data analysis, the Statistical Business Analyst Using SAS[®]9: Regression and Modeling credential confirms a solid knowledge of analysis of variance, linear and logistic regression, measuring model performance and more.



SAS[®] Enterprise Miner[™] users who perform predictive analytics and have a firm understanding and mastery of the functionalities for predictive modeling in SAS[®] Enterprise Miner[™] are perfect candidates for the SAS[®] Certified Predictive Modeler Using SAS[®] Enterprise Miner[™] exam.

learn

Applied Analytics Using SAS Enterprise Miner

Learn

- Statistics 1: Introduction to ANOVA, Regression and Logistic Regression
- Predictive Modeling Using Logistic Regression

Practice

SAS Certification Practice Exam: SAS Statistical Business Analysis Using SAS[®]9: Regression and Modeling

Get Certified

SAS Statistical Business Analysis Using SAS*9: Regression and Modeling exam

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Practice

SAS Certification Practice Exam: Predictive Modeling Using SAS Enterprise Miner

Predictive Modeling With SAS Enterprise Miner: Practical Solutions for Business Applications

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Predictive Modeling Using SAS Enterprise Miner exam

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SAS^{*} Advanced Analytics Professional*

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Predictive Modeling Using SAS[®] Enterprise Miner [™] 13

Learn

• Applied Analytics Using SAS Enterprise Miner

Practice

SAS Certification Practice Exam: Predictive Modeling Using SAS Enterprise Miner

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Predictive Modeling Using SAS Enterprise Miner 13 exam

SAS[®] Advanced Predictive Modeling

Learn

- Neural Network Modeling
- Predictive Modeling Using Logistic Regression
- SAS Visual Statistics: Interactive Model Building
- Predictive Modeling Using SAS In-Memory Statistics
- SAS Enterprise Miner High-Performance Data Mining Nodes
- Using SAS to Put Open Source Models into Production

Practice

SAS Certification Practice Exam: SAS Advanced Predictive Modeling

Get Certified

SAS Advanced Predictive Modeling exam

SAS[®] Text Analytics, Time Series, Experimentation and Optimization

Learn

- Text Analytics Using SAS Text Miner
- Time Series Modeling Essentials
- Experimentation in Data Science
- Building and Solving Optimization Models With SAS/OR*

Practice

SAS Certification Practice Exam: SAS Text Analytics, Time Series, Experimentation and Optimization

Predictive Modeling With SAS Enterprise Miner: Practical Solutions for Business Applications

Get Certified

SAS Text Analytics, Time Series, Experimentation and Optimization exam

support.sas.com/certify/creds/aap

* The SAS' Advanced Analytics Professional credential is part of the SAS' Academy for Data Science. This credential along with the SAS' Big Data Professional credential combines to give you the highly-sought after Data Scientist certification. sas.com/academy-data-science Leading-edge innovation to help statistically analyze and interpret data with SAS[®] programs or SAS[®] Enterprise Guide[®].

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Get Started

- SAS Programming for R Users
- Introduction to Statistical Concepts
- Analytics: Putting It All to Work 🗁
- Statistics 1: Introduction to ANOVA, Regression and Logistic Regression
- SAS Enterprise Guide: ANOVA, Regression and Logistic Regression

Expand Your Skills

- Statistics 2: ANOVA and Regression
- Strategies and Concepts for Data Scientists and Business Analysts
- Categorical Data Analysis Using Logistic Regression
- Survival Analysis Using the Proportional Hazards Model
- Structural Equation Modeling Using SAS
- Imputation Techniques in SAS

Dive Deeper

- Multivariate Statistics for Understanding Complex Data
- Mixed Models Analyses Using SAS
- Longitudinal Data Analysis With Discrete and Continuous Responses
- Probability Surveys 1: Design, Descriptive Statistics and Analysis
- Applied Clustering Techniques
- Bayesian Analyses Using SAS
- Statistical Analysis With the GLIMMIX Procedure
- Programming With SAS/IML[®] Software
- SAS Programming for R Users
- Explaining Analytics to Decision Makers: Insight to Action
- Getting the Most Out of Testing in Direct/Internet Marketing
- Multilevel Modeling of Hierarchical and Longitudinal Data Using SAS
- Propensity Score Matching, Adjustment and Randomized Experiments

Advanced Analytics



Books

- Essential Statistics Using SAS[®] University Edition
- Biostatistics by Example Using SAS[®] Studio
- Strategic Analytics and SAS[:]: Using Aggregate Data to Drive Organizational Initiatives

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Overview

- Strategies and Concepts for Data Scientists and Business Analysts
- Data Science: Building Recommender Systems With SAS and Hadoop igsqcup
- Analytics: Putting It All to Work 🗁

Preparing Data

- Introduction to SAS and Hadoop
- Working With SAS Data Loader 3.1 for Hadoop
- Defining the Value of Business Analytics

Modeling Data

- Advanced Analytics in a Big Data World
- Building and Solving Optimization Models With SAS/OR
- Decision Tree Modeling
- Forecasting Using SAS Forecast Server Software
- Survival Data Mining: A Programming Approach 🔄
- Advanced Predictive Modeling Using SAS Enterprise Miner
- Explaining Analytics to Decision Makers: Insight to Action 🗁
- Net Lift Models: Optimizing the Impact of Your Marketing Efforts

Deploying Models

- Managing SAS Analytical Models Using SAS Model Manager
- SAS Business Rules Manager Usage

Advanced Analytics



Books

- Data Analysis Plans: A Blueprint for Success Using SAS*
- Mastering the DS2 Procedure

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Get Started

- Introduction to Applied Econometrics
- Time Series Modeling: Essentials
- Forecasting Using SAS Forecast Server Software
- Electric Load Forecasting: Fundamentals and Best Practices 🔄
- Stationarity Testing and Other Time Series Topics

Expand Your Skills

- Forecasting Using SAS Software: A Programming Approach
- Electric Load Forecasting: Advanced Topics and Case Studies
- Modeling Trend, Cycles and Seasonality in Time Series Data Using PROC UCM igsidesigned
- Forecast Value Added Analysis
- Advanced Analytics in a Big Data World
- Next Generation Demand Management: People, Process, Analytics and Technology
- SAS Demand-Driven Forecasting: Using the Solution

Dive Deeper

- Advanced Topics in Applied Econometrics \Box
- Advanced Forecasting Topics Using SAS Software: A Programming Approach
- Using SAS Forecast Server Procedures

Advanced Analytics





Books

- Business Forecasting: Practical Problems and Solutions
- Applied Data Mining for Forecasting Using SAS*
- Demand-Driven Forecasting: A Structured Approach to Forecasting, Second Edition

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Get Started

- Statistics 1: Introduction to ANOVA, Regression and Logistic Regression
- Analytics: Putting It All to Work
- Mass Scale Predictive Modeling Using SAS Factory Miner
- Data Mining: Principles and Best Practices
- SAS Visual Statistics: Interactive Model Building
- Data Mining Techniques: Theory and Practice
- \circ Exploratory Analysis for Large and Complex Problems Using SAS Enterprise Miner \Box
- Strategies and Concepts for Data Scientists and Business Analysts

Expand Your Skills

- Predictive Modeling Using Logistic Regression
- Applied Analytics Using SAS Enterprise Miner_
- Customer Lifecycle Management Using SAS
- Customer Segmentation Using SAS Enterprise Miner
- Explaining Analytics to Decision Makers: Insights to Action
- SAS Enterprise Miner High-Performance Data Mining Nodes
- Applied Clustering Techniques
- SAS Business Rules Manager Usage
- Credit Scorecard Development and Implementation
- Development of Credit Scoring Applications Using SAS Enterprise Miner
- Managing SAS Analytical Models Using SAS Model Manager

Dive Deeper

- Decision Tree Modeling
- Neural Network Modeling
- Survival Data Mining: A Programming Approach
- Survival Data Mining Using SAS Enterprise Miner Software
- Advanced Predictive Modeling Using SAS Enterprise Miner
- Advanced Analytics in a Big Data World
- Data Preparation for Data Mining
- Multivariate Statistics for Understanding Complex Data
- Extending SAS Enterprise Miner With User-Written Nodes
- Predictive Modeling Using SAS High-Performance Analytics Procedures
- Net Lift Models: Optimizing the Impact of Your Marketing Efforts
- Social Network Analysis for Business Applications
- Web Analytics and Web Intelligence Using SAS
- Applying Survival Analysis to Business Time-to-Event Problems
- Big Data, Data Mining and Machine Learning 🔄

Advanced Analytics



Books

- Customer Segmentation and Clustering Using SAS' Enterprise Miner", Third Edition
- Decision Trees for Analytics Using SAS[®] Enterprise Miner[™]
- Analytics at Work: Smarter Decisions, Better Results

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Get Started

- Strategies and Concepts for Data Scientists and Business Analysts
- SAS Visual Statistics: Interactive Model Building
- SAS Event Stream Processing
- Getting Started with SAS In-Memory Statistics
- Applied Analytics Using SAS Enterprise Miner
- Mass-Scale Predictive Modeling Using SAS Factory Miner

Expand Your Skills

- Big Data, Data Mining, and Machine Learning 🔄
- Advanced Analytics in a Big Data World
- Applied Clustering Techniques
- Predictive Modeling Using Logistic Regression
- SAS Enterprise Miner High-Performance Data Mining Nodes
- Predictive Modeling Using SAS In-Memory Statistics

Dive Deeper

- Advanced Predictive Modeling Using SAS Enterprise Miner
- Decision Tree Modeling
- Neural Network Modeling
- Text Analytics Using SAS Text Miner

Text Analytics Training

Use SAS[®] Text Miner to evaluate your unstructured data. support.sas.com/paths/ta

- Text Analytics Using SAS Text Miner
- SAS Contextual Analysis: Building Models
- Text Analytics and Sentiment Mining Using SAS \square

Optimization and Simulation Training

Model the best solutions for solving real-world problems. support.sas.com/paths/os

- Building and Solving Optimization Models With SAS/OR
- SAS Marketing Optimization: Maximizing Campaign Efficiency
- Discrete-Event Simulation With SAS Simulation Studio
- Programming With SAS/IML Software
- 24 support.sas.com/training

Advanced Analytics



Books

- Predictive Modeling With SAS Enterprise Miner Practical Solutions for Business Applications, Second Edition
- Demand-Driven Inventory Optimization and Replenishment: Creating a More Efficient Supply Chain, Second Edition

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Get Started

- JMP Software: A Case Study Approach to Data Exploration
- JMP Software: ANOVA and Regression
- JMP Software: Analyzing Discrete Responses
- JMP Software: Custom Design of Experiments
- JMP Clinical: Monitoring Clinical Trials
- Applied Statistics for Engineers
- Applied Statistics for Scientists

Expand Your Skills

- JMP Software: Measurement System Analysis
- JMP Software: Statistical Process Control
- JMP Software: Analyzing Multidimensional Data
- JMP Software: Modeling Multidimensional Data
- JMP Software: Reliability Analysis for Non-Repairable Systems
- JMP Software: Modern Screening Designs
- JMP Software: Design and Analysis of Mixture Experiments
- JMP Software: Classic Design of Experiments
- Predictive Modeling Using JMP Pro
- JMP Software: Stability Analysis
- Discrete-Event Simulation With SAS Simulation Studio
- Analyzing Marketing Data: Going Beyond Tabs and Bar Charts With JMP
- Quality by Design (QbD) Using JMP Software 🗁
- Statistics for FDA Process Validation Using JMP Software

JMP[®] Scripting Language

- Instant Applications Using JMP Application Builder
- JMP Software: Introduction to the JMP Scripting Language
- Application Development Using the JMP Scripting Language
- JMP Software: Designing and Building a Complete JMP Script

Advanced Analytics





Books

- Market Data Analysis Using JMP^{*}
- Strategies for Formulations Development: A Step-by-Step Using JMP*

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Faster, smarter analysis for a big data world.

Our advanced analytics software can help solve even the most stubborn data mysteries. In this section, you'll find the following avenues for your journey.



SAS[®] Big Data Professional credential

Areas of Study

SAS^{*} for Hadoop SAS works with Hadoop to provide data management, discovery and in-memory solutions to get insight from your data.

For the Data Scientist Learn concepts for building interactive models and strategies.

SAS[®] High-Performance Analytics Quickly analyze big data efficiently and effectively.

SAS[®] In-Memory Statistics

Explore the analytical tools SAS offers to securely integrate and review any amount of data in a database or Hadoop environment.

The SAS[®] Big Data Professional Using SAS[®]9 credential, comprised of extensive training and two exams, will validate your ability to use open source and SAS[®] data management tools to prepare big data for statistical analysis.



SAS[®] Big Data Professional Using SAS[®]9

SAS[®] Big Data Preparation, Statistics and Visual Exploration

Learn.

- Statistics 1: Introduction to ANOVA, Regression and Logistic Regression
- SAS Visual Analytics: Fast Track
- DataFlux[®] Data Management Studio: Essentials
- DataFlux Data Management Studio: Customize the Quality Knowledge Base (QKB)

Practice.

SAS Certification Practice Exam: SAS Big Data Preparation, Statistics and Visual Exploration

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SAS Big Data Preparation, Statistics and Visual Exploration exam

support.sas.com/certify/creds/bdp

* The SAS' Big Data Professional credential is part of the SAS' Academy for Data Science. This credential along with the SAS' Advanced Analytics credential combines to give you the highly sought after Data Scientist certification. sas.com/academy-data-science

SAS[®] Big Data Programming and Loading

Learn.

- DS2 Programming Essentials With Hadoop
- Introduction to SAS and Hadoop
- Getting Started With SAS In-Memory Statistics

Practice.

SAS Certification Practice Exam: Big Data Programming and Loading

Get Certified.

SAS Big Data Programming and Loading exam

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- Introduction to SAS and Hadoop
- Working With SAS Data Loader 3.1 for Hadoop
- DS2 Programming Essentials with Hadoop
- Hadoop Data Management With Hive, Pig and SAS
- \circ Data Science: Building Recommender Systems With SAS and Hadoop 🔄

For the Data Scientist Training

- SAS Visual Statistics: Interactive Model Building
- SAS Academy for Data Science
- Strategies and Concepts for Data Scientists and Business Analysts

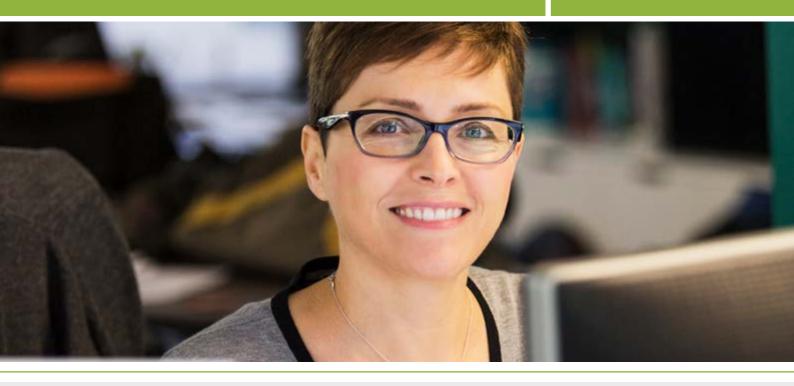
SAS® High-Performance Analytics Training

- Predictive Modeling Using SAS High-Performance Analytics Procedures
- SAS Enterprise Miner High-Performance Data Mining Nodes

SAS[®] In-Memory Statistics Training

- Getting Started With In-Memory Statistics
- Predictive Modeling Using SAS In-Memory Statistics

Solutions for Big Data



Books

- Big Data, Data Mining, and Machine Learning
- Understanding the Predictive Analytics Lifecycle
- Leaders and Innovators: How Data-Driven Organizations Are Winning With Analytics
- SAS^{*} and Hadoop Technology: Overview

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Business Intelligence and Analytics

Powerful insights - at your fingertips.

Limitless BI tools help you explore data on your own, create and share vibrant interactive reports and monitor key metrics. In this section, you'll find the following avenues for your journey.

Global Certification

SAS[®] Visual Business Analyst credential SAS[®] BI Content Developer credential

Areas of Study

SAS^{*} Visual Analytics Visually access and explore any size data. Highlight relationships, outliers, trends and more with vibrant, interactive reports.

SAS[®] Office Analytics Leverage the power of SAS Analytics from familiar

Microsoft Office applications.

SAS[®] Enterprise Business Intelligence

Create a comprehensive and easy-to-use environment for reporting and analysis with this platform for SAS Business Analytics.



Validate your knowledge of using SAS^{*} Visual Analytics to explore data and create reports that provide concise, interactive and relevant data summaries with a SAS^{*} Visual Business Analyst: Exploration and Design credential. Validate your knowledge of building reports, analyses and dashboards for consumption by business users with a SAS^{*} BI Content Developer credential.

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SAS[®] Visual Business Analyst: Exploration and Design Using SAS[®] Visual Analytics



Learn.

- SAS Visual Analytics: Fast Track
- SAS Visual Analytics: Video Library

Get Certified.

SAS Visual Analytics 7.3 Exploration and Design exam

support.sas.com/certify/creds/va

Learn.

• Creating Business Intelligence for Your Organization: Fast Track

Get Certified.

SAS BI Content Development for SAS[®]9 exam

support.sas.com/certify/creds/bic

Get Certified.

support.sas.com/certify

Business Intelligence and Analytics



"Getting certified in SAS is a great way to grow,

learn and prove your SAS skills."

Visually access and explore any size data. Highlight relationships, outliers, trends and more with vibrant, interactive reports.

support.sas.com/paths/va

Learn the Basics

- SAS Visual Analytics: Free Video Library
- SAS Visual Analytics: Getting Started

Become an Expert

- SAS Visual Analytics: Fast Track
- SAS Visual Analytics: Using SAS Visual Data Builder
- SAS Visual Statistics: Interactive Model Building

Administer the Environment

- SAS Visual Analytics: Administering a Distributed Deployment
- SAS Visual Analytics: Administering a Non-Distributed Deployment on Windows

SAS® Office Analytics Training

Leverage the power of SAS^{*} Analytics from familiar Microsoft Office applications.

support.sas.com/paths/oa

Learn the Basics

- SAS Office Analytics: Free Video Library
- SAS Office Analytics: Getting Started

Become an Expert

• SAS Office Analytics: Fast Track

Administer the Environment

• Administering SAS Office Analytics and SAS Enterprise Guide

Business Intelligence and Analytics





Books

- SAS[®] for Dummies
- Custom Tasks for SAS[®] Enterprise Guide[®] Using Microsoft.NET

support.sas.com/books

Business Knowledge Series

Solving today's complex business problems with in-depth courses taught by industry experts. support.sas.com/bks



Ask the Expert

SAS experts demonstrate a variety of topics. Participate in live events, or view recorded sessions on demand. support.sas.com/askexpert

Free Tutorials

Learn tips and tricks with SAS training "how to" videos, tutorials and demos. support.sas.com/tutorial

Create a comprehensive and easy-to-use environment for reporting and analysis with this platform for SAS^{*} Business Analytics.

support.sas.com/paths/bi

Learn the Basics

- Getting Started With the Platform for SAS Business Analytics
- Using SAS Client Applications With SAS Grid Manager
- Management Overview: Exploring the Platform for SAS Business Analytics

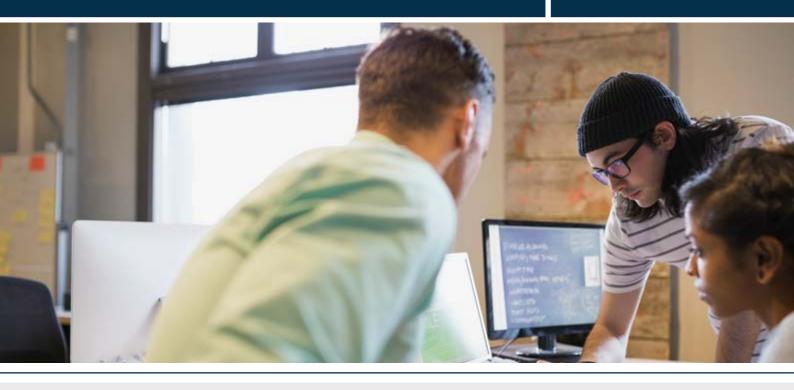
Become an Expert

- SAS Business Intelligence Reporting: Fast Track
- Creating Business Intelligence for Your Organization: Fast Track
- Creating Stored Processes Using SAS 1: Essentials
- Creating Stored Processes Using SAS 2: Additional Topics
- Accessing SAS From Microsoft Office Applications
- Creating BI Dashboards Using SAS
- Creating Information Maps Using SAS
- Designing, Tuning and Maintaining SAS OLAP Cubes
- Developing Applications With SAS/AF[®] Software
- Personalizing the SAS Information Delivery Portal
- SAS Business Rules Manager Usage
- SAS Enterprise Guide 1: Querying and Reporting
- Using SAS Web Report Studio
- Using SAS OLAP Cubes to Create Multidimensional Reports
- Promoting Business Analytics Across the Enterprise

Administer the Environment

- SAS Platform Administration: Fast Track
- SAS Platform Administration: Metadata Administration
- SAS Platform Administration: System Administration
- SAS Platform Administration: Middle Tier Administration
- Administering SAS Office Analytics and SAS Enterprise Guide
- SAS OLAP Environment: Administration

Business Intelligence and Analytics



Books

- Building Business Intelligence Using SAS': Content Development Examples
- SAS' Business Intelligence for the Health Care Industry: Practical Applications
- Business Intelligence and the Cloud

support.sas.com/books



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Free Tutorials

Learn tips and tricks with SAS training "how to" videos, tutorials and demos. support.sas.com/tutorial

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SAS® Data Management

Better data sets the stage for better business.

Learn to not only manage your data, but unleash its potential. In this section, you'll find the following avenues for your journey.



Global Certification

SAS[°] Data Integration Developer credential SAS[°] Data Quality Steward credential

Areas of Study

SAS^{*} Data Integration Training Embrace efficiency when you collect and manage your data stores using SAS Data Integration Studio.

SAS[®] Data Quality Training

Achieve better, cleaner data - regardless of volume.

Validate your knowledge of using SAS^{*} Visual Analytics to explore data and create reports that provide concise, interactive and relevant data summaries with a SAS^{*} Data Integration Developer credential. Validate your knowledge of building reports, analyses and dashboards for consumption by business users with a SAS^{*} Data Quality Steward credential.



Learn.

Training Option 1: Fast Track

• SAS Data Integration Studio: Fast Track

Training Option 2:

- SAS Data Integration Studio: Essentials
- SAS Data Integration Studio: Additional Topics

Get Certified.

SAS Data Integration Development for SAS'9 exam

support.sas.com/certify/creds/did



Learn.

Training Option 1: Fast Track

- DataFlux Data Management Studio: Fast Track
- DataFlux Data Management Studio: Customize the Quality Knowledge Base (QKB)

Training Option 2:

- DataFlux Data Management Studio: Essentials
- DataFlux Data Management Studio: Advanced
- DataFlux Data Management Studio: Customize the Quality Knowledge Base (QKB)

Get Certified.

SAS Data Quality Using DataFlux Data Management Studio exam

support.sas.com/certify/creds/dqs

Get Certified.

support.sas.com/certify



SAS[®] Data Integration Training

Embrace efficiency when you collect and manage your data stores using SAS^{*} Data Integration Studio. support.sas.com/paths/dmgt

Get Started

- SAS Data Integration Studio: Essentials
- SAS Data Integration Studio: Additional Topics
- SAS Data Integration Studio: Fast Track

Expand Your Skills

- Introduction to SAS and Hadoop
- Working With SAS Data Loader 3.1 for Hadoop
- Hadoop Data Management With Hive, Pig and SAS
- SAS Federation Server: Accessing and Virtualizing Enterprise Data
- SAS Event Stream Processing
- Introduction to SAS/ACCESS Interface to Teradata
- Processing Database and PC File Data With SAS/ACCESS Software

Achieve better, cleaner data - regardless of volume.

support.sas.com/paths/dmgt

Get Started

- DataFlux Data Management Studio: Essentials
- DataFlux Data Management Studio: Advanced
- DataFlux Data Management Studio: Fast Track
- DataFlux Web Studio: Essentials

Expand Your Skills

• DataFlux Data Management Studio: Customizing the Quality Knowledge Base (QKB)

Data Management



Books

• Customer Data Integration: Reaching a Single Version of the Truth support.sas.com/books



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Ask the Expert

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Free Tutorials

Learn tips and tricks with SAS training "how to" videos, tutorials and demos. support.sas.com/tutorial

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SAS[®] Administration

Anticipate the impact of your decisions.

Install, configure and maintain the platform for SAS Business Analytics. In this section, you'll find the following avenues for your journey.

Global Certification

SAS[®] Platform Administrator credential

Area of Study

SAS^{*} Platform Training Install, configure and maintain the platform for SAS Business Analytics.



Validate your skills and knowledge in administration of the platform for SAS[®] Business Analytics.



Learn.

New to the platform? Start here.

• Getting Started With the Platform for SAS Business Analytics

Training Option 1:

• SAS Platform Administration: Fast Track

Training Option 2:

- SAS Platform Administration: Metadata Administration
- SAS Platform Administration: System Administration

Get Certified.

SAS Platform Administration for SAS*9 exam

support.sas.com/certify/creds/pa



support.sas.com/certify



SAS[®] Platform Training

Install, configure and maintain the platform for SAS[®] Business Analytics. support.sas.com/paths/admin

Get Started

- Getting Started With the Platform for SAS Business Analytics
- SAS Platform Administration: Fast Track
- SAS Platform Administration: Metadata Administration
- SAS Platform Administration: System Administration
- Installing and configuring the SAS Intelligence Platform
- NEW! SAS Environment Manager: Essentials

Expand Your Skills

- NEW! Managing the SAS Platform With SAS Environment Manager
- Administering SAS Office Analytics and SAS Enterprise Guide
- SAS Grid Manager: Administration
- SAS Enterprise Scheduling With Platform Suite for SAS
- SAS Visual Analytics: Administering a Distributed Deployment
- SAS Visual Analytics: Administering a Non-Distributed Deployment on Windows



Show tomorrow who's boss.

Learn SAS[®] Analytics - MONEY's No. 1 job skill - for free.

Did you know that analytics skills are in high demand? That's 1.5 million data science jobs available by 2018. So why not learn SAS Analytics - the No. 1 job skill for kicking off your career with a higher starting salary - for free?

- 1. Download SAS[•] University Edition for free.
- 2. Access free resources and an online community of experts.

- 3. Land the job of your dreams.
- 4. Go from your parents' basement to a sweet place of your own.

sas.com/freeanalytics





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Once you master the technology of SAS, you will be ready for the SAS solutions architecture. In this section, you'll find the following avenues for your journey.

Global Certification

SAS[®] Clinical Trials Programmer credential

Areas of Study

Fraud and Security Intelligence A unified approach to fraud, compliance and security delivers

A unified approach to fraud, compliance and security deliver: proactive protection through advanced analytics.

Customer Intelligence Transform the customer experience using insight and data from every touch point.

Risk Management

Establish a risk-aware culture to optimize capital and liquidity and meet regulatory demands.

Integrated Merchandise Planning support.sas.com/paths/mi

Health and Life Sciences support.sas.com/paths/lifesci

Supply Chain Intelligence support.sas.com/paths/supply

Performance Management support.sas.com/paths/pm

Apply SAS[®] programming skills to clinical trials data for state-of-the-art reporting.

SAS[®] Clinical Trials Programmer Using SAS[®]

Learn.

- SAS Programming 1: Essentials
- SAS Programming 2: Data Manipulation Techniques
- SAS Macro Language 1: Essentials
- SAS Report Writing 1: Essentials
- Statistics 1: Introduction to ANOVA, Regression and Logistic Regression
- Validating Clinical Trials Data Reporting
- SAS[®] Programming in the Pharmaceutical Industry, Second Edition
- Introducing the CDISC Standards: New Efficiencies for Medical Research
 - Implementing CDISC Using SAS': An End-to-End Guide, Second Edition

Get Certified.

Clinical Trials Programming Using SAS'9 exam

support.sas.com/certify/creds/ct

Get Certified.

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SAS[®] Solutions

Fraud and Security Intelligence Training

A unified approach to fraud, compliance and security delivers proactive protection through advanced analytics. support.sas.com/paths/fraud

Fraud and Improper Payments

- SAS Fraud Framework: Using the Social Network Analysis Interface
- SAS Fraud Framework: Implementing the SAS Social Network Analysis Interface
- SAS Fraud Framework: Using the SAS Financial Crimes Monitor Interface
- Fraud Detection Using Supervised, Unsupervised and Social Network Analytics

Regulatory Compliance

- SAS Compliance Solutions: Overview
- SAS Anti-Money Laundering: Using the Investigation Interface
- NEW! SAS Customer Due Diligence: Using the Investigation Interface
- SAS Enterprise Case Management: Using the Interface
- SAS Visual Scenario Designer 6.3: Getting Started

Transform the customer experience. Get insights fueled by data from every touch point and data source.

support.sas.com/paths/ci

Engagement

- SAS Marketing Automation: Overview
- SAS Marketing Automation: Designing and Executing Outbound Marketing Campaigns
- SAS Marketing Automation: Defining the Data and Structure for Campaigns
- SAS Marketing Automation: Administration
- SAS Real-Time Decision Manager: Overview
- SAS Real-Time Decision Manager: Creating and Managing Campaigns
- SAS Real-Time Decision Manager: Defining Resources for Inbound Campaigns
- SAS Adaptive Customer Experience: Working With the Data Model

Optimization

- SAS Marketing Optimization: Overview
- SAS Marketing Optimization: Maximizing Campaign Efficiency

Risk Management Training

Establish a risk-aware culture, optimize capital and liquidity, while meeting regulatory demands.

support.sas.com/paths/risk

Get Started

- SAS Firmwide Risk for Solvency II 3.1 Overview
- SAS Enterprise GRC: Overview

Enterprise Stress Testing

- SAS Model Risk Management for Users
- SAS Risk and Finance Workbench 2.2

Credit Risk Management

- Credit Risk Modeling
- Credit Scorecard Development and Implementation
- Development of Credit Scoring Applications Using SAS Enterprise Miner

SAS[®] Solutions





Books

Need more info? We have a book for that. support.sas.com/books



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September 18-20, 2017 Gaylord National Resort Washington, DC View the latest conference information at sas.com/analytics-conference



March 20-23, 2017 Prague Marriott Hotel Praha, Czech Republic October 17-20, 2017 St. Louis Union Station Hotel St. Louis, MO

Learn more at jmp.com/discoverysummit



April 2-5, 2017 Walt Disney World Swan and Dolphin Resort Orlando, FL

For additional conference information, visit sasglobalforum.com/2017

Training Locations

Albania sas.com/adriatic/training

Argentina sas.com/argentina/training

Australia sas.com/australia/training

Austria sas.com/austria/training

Belgium and Luxembourg sas.com/belux/training

Bosnia and Herzegovina sas.com/adriatic/training

Brazil sas.com/brazil/training

Canada support.sas.com/training/canada

Chile sas.com/chile/training

China sas.com/china/training

Croatia sas.com/adriatic/training

Czech Republic sas.com/czech/training

Denmark sas.com/denmark/training

Finland sas.com/finland/training

France sas.com/france/training

Germany sas.com/germany/training

Hong Kong sas.com/hongkong/training Hungary sas.com/hungary/training

India sas.com/india/training

Ireland sas.com/ireland/training

Italy sas.com/italy/training

Israel sas.com/israel/training

Japan sas.com/japan/training

Korea sas.com/korea/training

Macedonia sas.com/adriatic/training

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New Zealand sas.com/newzealand/training

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Poland sas.com/poland/training

Portugal sas.com/portugal/training

Russia sas.com/russia/training

Serbia sas.com/adriatic/training

Singapore sas.com/singapore/training

Slovakia sas.com/slovakia/training

Slovenia sas.com/adriatic/training

South Africa sas.com/southafrica/training

Spain sas.com/spain/training

Sweden sas.com/sweden/training

Switzerland sas.com/switzerland/training

Thailand sas.com/thailand/training

Taiwan sas.com/taiwan/training

Turkey sas.com/turkey/training

United Kingdom sas.com/uk/training

United States support.sas.com/training

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