SAS/TUTOR SOFTWARE

SAS/TUTOR software is a library of online training courses designed to get you up and running on the SAS System as quickly and easily as possible. These courses currently run under the MVS, CMS, VMS, OS/2, and Windows environments. With Release 6.09, you can also access the training in the UNIX environment.

Courses are taught using the SAS Display Manager System, a flexible windowing environment providing all the capabilities of the SAS System. You learn and practice in the actual SAS environment, not a simulation. Because SAS programs contain the same code regardless of the mode of execution, these courses are appropriate for batch and noninteractive users, as well as interactive users.

COURSE FEATURES

The SAS/TUTOR courses feature:
- Easy movement through the course. Several options available from menus and command bars enable you to easily move through a course. Lesson titles and topic headings keep you oriented as you move through a lesson.
- High interactivity with SAS software. At any time during instruction, you can select the PRACTICE button and move to the display manager to practice your new skills. Selecting the LESSON button quickly returns you to the lesson. Guided instruction, you can select the PRACTICE button and move to the display manager windows to accomplish the task. A SOLUTION button is always available to check your answer.
- Sophisticated questions and feedback. Frequent questions throughout lessons help you assess what you have learned. These questions include writing or completing SAS statements, identifying correct programs or output, and solving a problem using SAS software to find the answer. The feedback to questions is specific, including telling you that you have omitted a semicolon in your SAS statement or that you have misspelled a SAS keyword.
- Index to specific instruction. A comprehensive index enables you to quickly and easily access any topic taught in the course. This feature is useful for reviewing topics later as you need them in your job.
- Extensive help facilities. General help is available at all times and includes quick references to SAS syntax and commands, instruction on using display manager, and descriptions of relevant SAS documentation. Specific help is also available for answering questions asked during instruction.

SAS/TUTOR CURRICULUM

The SAS/TUTOR curriculum is designed to:
- Provide you with an overall picture of how the SAS System works
- Teach you how to perform typical data processing tasks such as accessing and modifying data and producing reports
- Teach you how to select the appropriate products and procedures in the SAS System to accomplish these tasks.

The first course in the curriculum, Fundamentals of the SAS System, is a 12-15 hour course that provides a basic overview of the SAS System. The Fundamentals course teaches you common data processing tasks and introduces you to SAS software products that enable you to perform those tasks. You learn to read data from different sources, enter data, perform ad hoc queries, create list and tabular reports, and produce graphics.

Other courses in the SAS/TUTOR curriculum build upon material presented in the Fundamentals course. These courses include:

- Reading Raw Data and Formatting Values with the DATA Step
- Creating, Modifying, and Processing Variables with the DATA Step
- Developing Custom Data Entry Applications
- Creating Tables with PROC TABULATE

Benefits and Strengths of Online Training

Training is available in other media, such as instructor-based and video-based, and each has its own merits. The strengths of online training are that:

- It is convenient and economical
- Large numbers of students can be trained at a low cost
- Travel time and money are saved—students can take the courses in their own offices
- Time scheduling problems are reduced—students can take the courses at their convenience.

- It provides Individualized learning
- The courses provide individualized learning paths
- Progress is monitored and feedback is given to students
- Students can progress through the instruction at their own pace
WHY SAS/TUTOR COURSES ARE UNIQUE

With SAS Institute online training courses you

- receive training that is up-to-date with the newest software developments. When you license our courses, you automatically receive updated courses at no charge.
- learn by actually practicing in the SAS software environment. Other vendors only depict or simulate features of the SAS System.
- receive training produced by professional instructional designers. Each course contains all of the key elements of the instructional process: concise, task-oriented instruction, frequent questions presenting specific feedback, extensive online help, opportunities for practice, quizzes to evaluate mastery of lessons, and quick reviews of key topics.
- receive carefully reviewed and tested training. Our courses go through several review and testing cycles. Our reviewers include instructional designers, software developers, editors, quality control specialists, and prospective students.
- receive a comprehensive tracking system. Under the MVS, CMS, and VMS VAX environments, Course Administrator's can use the comprehensive tracking system to monitor students' progress and time spent in the course for all installed courses at a site. Specifically, the tracking system can track the lessons completed by a student, the scores a student received on each quiz, the first and last dates a student accessed a course, the number of times a student accessed a course, and the total time a student spent in the course.

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