

Emerging Technologies

SAS Certified Advanced Analytics Professional Program

Curriculum

Program Outline :

Module 1: Fundamentals of SAS

1. Introduction to SAS

- Core principles and tools of SAS.
- Overview of SAS programming and data manipulation.
- Benefits and challenges of using SAS for data analysis.

2. SAS Programming Basics

- Understanding basic SAS syntax and data steps.
- Performing data manipulation and transformation.
- Writing and executing SAS programs.

Module 2: Advanced Analytics Techniques

3. Predictive Modeling with SAS

- Building and evaluating predictive models using SAS.
- Understanding regression analysis and classification techniques.
- Best practices for model validation and deployment.

4. Machine Learning with SAS

- Implementing machine learning algorithms in SAS.
- Exploring supervised and unsupervised learning methods.

- Case studies and real-world applications.

5. Text Analytics with SAS

- Analyzing and extracting insights from text data using SAS.
- Techniques for text mining and natural language processing (NLP).
- Applying text analytics to business problems.

6. Time Series Analysis with SAS

- Analyzing time-dependent data and forecasting trends.
- Using SAS tools for time series analysis.
- Best practices for time series model evaluation and deployment.

Module 3: Practical Applications

7. Optimization Techniques with SAS

- Applying optimization methods to solve complex problems.
- Understanding linear and nonlinear optimization.
- Using SAS tools for optimization and decision analysis.

8. Design and Analysis of Experiments

- Designing experiments and analyzing experimental data with SAS.
- Techniques for randomized and controlled experiments.
- Best practices for interpreting and reporting experimental results.

Module 4: Certification Preparation

9. SAS Certification Exam Preparation

- Comprehensive preparation for the SAS certification exam.
- Practice exams and review sessions.
- Exam tips and strategies for success.

10. Advanced SAS Techniques

- Deepening knowledge and exploring advanced SAS capabilities.
- Implementing advanced data manipulation, analysis, and reporting techniques.

Websites:

- <https://chools.in/>
- <https://ramaqchools.com/>
- <https://www.choolsgroup.com/>