

SAS Programming II: Advanced DATA Step Programming Syllabus

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Welcome

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Why do you want to take this course?

- ❖ Programming languages in SAS software: DATA step programming, SAS macro programming, SAS SQL, IML, etc.
- ❖ DATA step programming serves as a foundation for learning more advanced programming languages.

Why do you want to take this course?

- ❖ A common befuddlement often facing beginning SAS programmers is that the SAS data set that they create is not what they intended to create.
- ❖ programming novices learn SAS language syntax without understanding the fundamental SAS programming concepts.
- ❖ The course provides an in-depth theoretical aspect of how SAS DATA step processes during the DATA step compilation and execution phases.

Course Contents

Handbook of SAS DATA Step Programming

1. Introduction to SAS
2. Creating Variables Conditionally
3. Understanding How the DATA Step Works
4. By-group Processing in the DATA step
5. Writing Loops in the DATA step
6. Array Processing
7. Combining Data sets
8. (Data Input and Output)
9. (DATA Step Functions)
10. Useful SAS Procedures

Download

- ❖ The course related data sets, exercise solutions can be downloaded at <http://www.crcpress.com/product/isbn/9781466552388>

Assignment

- ❖ Assignment #1—30 points
Chapter1 – Chapter4
- ❖ Assignment #2—30 points
Chapter5 – Chapter6
- ❖ Assignment #3—40 points
Chapter1 – Chapter7