

Data Warehousing Theory and Concepts

Course Length: 1 day **CEUs** 0.6

Format: Hands on Training

AUDIENCE

This course is designed to teach IT Professionals, Managers and Developers the concepts of data warehousing using SAS®. Discussion of data available from OLTP systems, data reorganization and transformation, along with metadata, load strategies and report creation are discussed.

BENEFITS

Students will be able to:

- Understand how SAS Software can be used for data warehousing
- Understand Rapid Warehouse Methodology

PREREQUISITES

None

COURSE TOPICS

Introduction to Warehousing

- Designing the data warehouse
- Creating the Model
- Methodology and industry standards
- Star Schema
- Snowflake Schema
- Normalization

Working with Metadata

- Defining Metadata
- The data dictionary

Getting the Data Out

- Creating reports
- Creating queries
- Online applications

On Line Transaction Processes

- Pulling Data From OLTP systems
- Using SAS/ACCESS® Software to read RDBMs
- Reading VSAM Files

Restructuring Data

- Data validation and scrubbing
- Organizing Data into Subject Areas
- Denormalizing data
- Standardizing Dates and Times
- Summarizing data
- Data Marts

Updating and Loading the Warehouse

- Loading the data
- Scheduling issues
- Where to store the data