

Module Title : **CompTIA Data+**

Duration : **5 days**

Overview

CompTIA Data+ is an early-career data analytics certification for professionals tasked with developing and promoting data-driven business decision-making.

As the importance for data analytics grows, more job roles are required to set context and better communicate vital business intelligence. Collecting, analyzing, and reporting on data can drive priorities and lead business decision-making.

CompTIA Data+ certification validates certified professionals have the skills required to facilitate data-driven business decisions, including:

- Mining data
- Manipulating data
- Visualizing and reporting data
- Applying basic statistical methods
- Analyzing complex datasets while adhering to governance and quality standards throughout the entire data life cycle

Course Objectives

Teaches learners the knowledge and skills required to transform business requirements in support of data-driven decisions by mining data, manipulating data, applying basic statistical methods, and analyzing complex data sets while adhering to governance and quality standards throughout the entire data lifecycle. In addition, it will help prepare candidates to take the CompTIA Data+ certification exam.

Course Outlines

Lesson 1: Identifying Basic Concepts of Data Schemas

Lesson 2: Understanding Different Data Systems

Lesson 3: Understanding Types and Characteristics of Data

Lesson 4: Comparing and Contrasting Different Data Structures, Formats, and Markup Languages

Lesson 5: Explaining Data Integration and Collection Methods

Lesson 6: Identifying Common Reasons for Cleansing and Profiling Data

Lesson 7: Executing Different Data Manipulation Techniques

Lesson 8: Explaining Common Techniques for Data Manipulation and Optimization
Lesson 9: Applying Descriptive Statistical Methods
Lesson 10: Describing Key Analysis Techniques
Lesson 11: Understanding the Use of Different Statistical Methods
Lesson 12: Using the Appropriate Type of Visualization
Lesson 13: Expressing Business Requirements in a Report Format
Lesson 14: Designing Components for Reports and Dashboards
Lesson 15: Distinguishing Different Report Types
Lesson 16: Summarizing the Importance of Data Governance
Lesson 17: Applying Quality Control to Data
Lesson 18: Explaining Master Data Management Concepts
Appendix A: Identifying Common Data Analytics Tools
Appendix B: Mapping Course Content to CompTIA Data+ (DA0-001)
Solutions (in the Student and Study Guides only; solutions are presented inline in the Instructor Guide)
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