

CompTIA Data+ (Exam DA0-001)

COURSE DETAILS

Course Code:	CompTIA Data+
Delivery Type:	Instructor-Led
Duration:	5 Days

COURSE CONTENT

CompTIA is a not-for-profit trade association with the purpose of advancing the interests of information technology (IT) professionals and IT channel organizations; its industry-leading IT certifications are an important part of that mission. CompTIA's Data+ Certification is an early-career data analytics certification for professionals tasked with developing and promoting data-driven business decision-making.

This exam will certify the successful candidate has the knowledge and skills required to transform business requirements in support of data-driven decisions by:

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

To ensure your success in this course, you should have 18–24 months of hands-on experience working in a business intelligence, report/data analyst job role.

You should have a working knowledge of Microsoft Excel or a spreadsheet program. You should understand how to build basic math calculations, like add, subtract, divide, and multiply (basic arithmetic). You should know how to build basic functions like Sums, Average, and Count. You should understand the basics of sorting and filtering data sets in Excel or a similar spreadsheet program. You should have a working knowledge of how to build very basic pivot tables. You should have some understanding of databases and all knowledge toward understanding how databases designed will be helpful. You should have a basic understanding of how to build simple charts in using data.

COURSE OBJECTIVES

This course can benefit you in two ways. If you intend to pass the CompTIA Data+ (Exam DA0-001) certification examination, this course can be a significant part of your preparation. But certification is not the only key to professional success in the field of data analysis. Today's job market demands individuals with demonstrable skills, and the information and activities in this course can help you build your data skill set so that you can confidently perform your duties in any entry-level data analysis role.

On course completion, you will be able to do the following:

- Identify basic concepts of data schemas
 - Understand different data systems
 - Understand types and characteristics of data
 - Compare and contrast different data structures, formats, and markup languages
 - Explain data integration and collection methods
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- Identify common reasons for cleansing and profiling data
 - Execute different data manipulation techniques
 - Explain common techniques for data manipulation and optimization
 - Apply descriptive statistical methods
 - Describe key analysis techniques
 - Understand the use of different statistical methods
 - Use the appropriate type of visualization
 - Express business requirements in a report format
 - Design components for reports and dashboards
 - Distinguish different report types
 - Summarize the importance of data governance
 - Apply quality control to data
 - Explain master data management concepts
 - Identify common data analytics tools
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COURSE OUTLINE

- Identifying Basic Concepts of Data Schemas
 - Understanding Different Data Systems
 - Understanding Types and Characteristics of Data
 - Comparing and Contrasting Different Data Structures, Formats, and Markup Languages
 - Explaining Data Integration and Collection Methods
 - Identifying Common Reasons for Cleansing and Profiling Data
 - Executing Different Data Manipulation Techniques
 - Explaining Common Techniques for Data Manipulation and Optimization
 - Applying Descriptive Statistical Methods
 - Describing Key Analysis Techniques
 - Understanding the Use of Different Statistical Methods
 - Using the Appropriate Type of Visualization
 - Expressing Business Requirements in a Report Format
 - Designing Components for Reports and Dashboards
 - Distinguishing Different Report Types
 - Summarizing the Importance of Data Governance
 - Applying Quality Control to Data
 - Explaining Master Data Management Concepts
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WHO SHOULD ATTEND

The Official CompTIA Data+ (Exam DA0-001) Guide is the primary course you will need to take if your job responsibilities include gathering and collecting data for use in reporting, research of visualization, and analysis within your organization. You can take this course to prepare for the CompTIA Data+ (Exam DA0-001) certification examination.