

OUR LEARNING EXCLUSIVE

- Custom exam prep software and materials
- Exam delivery in the classroom, with a **95% success rate**
- Course-specific thinQtank® Learning publications to make the learning fun and engaging
- Extended hours of training, including immersive hands-on exercises
- **We do not teach the test.** We always deliver valuable hands-on experience
- All reading material and study guides sent to you when you register
- Every course taught by expert data professionals

TRAINING CAMP FORMAT

thinQtank® Learning delivers this course as an **instructor-led training camp**, with the exam sat in the classroom as part of the camp. Camps are scheduled by cohort rather than to a fixed calendar, and the balance of lecture and practical lab work is set to suit the group and the delivery method. Contact us for the schedule covering your dates.

PREREQUISITES

- CompTIA recommends **18–24 months** of experience in a report or business analyst role
- Exposure to databases and analytical tools, a basic understanding of statistics, and some data visualisation experience — Excel, Power BI or Tableau

TARGET AUDIENCE

- Early-career data, business, reporting, marketing and operations analysts
- IT professionals and business users who need data skills
- People with roughly 18–24 months' experience who **analyse and interpret** data to drive decisions, rather than manage the infrastructure underneath it

EXAM

DA0-001 — CompTIA Data+

A CompTIA Data+ exam voucher is included with the course, and the exam is sat in the classroom.

DELIVERY METHODS

- Instructor-led training
- Immersive live-online training
- On-site and custom delivery

COURSE OVERVIEW

thinQtank® Learning offers an industry-unique training camp in which students earn the **CompTIA Data+** certification. As with all our CompTIA training experiences, the exam is delivered in the classroom.

CompTIA Data+ gives you the confidence to bring data analysis to life. As the importance of data analytics grows, more job roles are required to set context and communicate vital business intelligence. Collecting, analysing and reporting on data drives an organisation's priorities and leads business decision-making.

The certification validates that a professional has the skills required to facilitate data-driven business decisions, including:

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

COURSE OBJECTIVES

In this CompTIA Data+ course you will:

- Receive instruction from a CompTIA-approved Data+ certification preparation course
- Receive a CompTIA Data+ exam voucher on completion
- Identify the data concepts and environments that matter in analytics
- Execute techniques in data mining, data manipulation and visualisation
- Summarise the importance of data governance, quality and controls
- Keep learning and face new challenges with after-course one-to-one instructor coaching

EXCLUSIVE LEARNING PACKAGE

- A virtual machine build packed with tools and labs
- The Data+ video course — **200+ videos** giving more than **17 hours** of instruction
- Print and digital courseware

COURSE MODULES

01 Identifying Basic Concepts of Data Schemas

- Identify relational and non-relational databases
- Understand the way we use tables, primary keys and normalisation

02 Understanding Different Data Systems

- Describe types of data processing and storage systems
- Explain how data changes

03 Understanding Types and Characteristics of Data

- Understand types of data
- Break down the field data types

04 Comparing and Contrasting Data Structures, Formats and Markup Languages

- Differentiate between structured and unstructured data
- Recognise different file formats
- Understand the different code languages used for data

05 Explaining Data Integration and Collection Methods

- Understand the processes of extracting, transforming and loading data
- Explain API and web scraping and other collection methods
- Collect and use public and publicly available data
- Use and collect survey data

06 Identifying Common Reasons for Cleansing and Profiling Data

- Learn to profile data
- Address redundant, duplicated and unnecessary data
- Work with missing values
- Address invalid data
- Convert data to meet specifications

07 Executing Different Data Manipulation Techniques

- Manipulate field data and create variables
- Transpose and append data
- Query data

08 Explaining Common Techniques for Data Manipulation and Optimisation

- Use functions to manipulate data
- Use common techniques for query optimisation

09 Applying Descriptive Statistical Methods

- Use measures of central tendency
- Use measures of dispersion
- Use frequency and percentages

10 Describing Key Analysis Techniques

- Get started with analysis
- Recognise types of analysis

11 Understanding the Use of Different Statistical Methods

- Understand the importance of statistical tests
- Break down the hypothesis test
- Understand tests and methods to determine relationships between variables

12 Using the Appropriate Type of Visualisation

- Use basic visuals
- Build advanced visuals
- Build maps with geographical data
- Use visuals to tell a story

13 Expressing Business Requirements in a Report Format

- Consider audience needs when developing a report
- Describe data source considerations for reporting
- Describe considerations for delivering reports and dashboards
- Develop reports or dashboards
- Understand ways to sort and filter data

14 Designing Components for Reports and Dashboards

- Design elements for reports and dashboards
- Utilise standard elements
- Create a narrative and other written elements
- Understand deployment considerations

15 Distinguishing Different Report Types

- Understand how updates and timing affect reporting
- Differentiate between types of reports

16 Summarising the Importance of Data Governance

- Define data governance
- Understand access requirements and policies
- Understand security requirements
- Understand entity relationship requirements

17 Applying Quality Control to Data

- Describe characteristics, rules and metrics of data quality
- Identify reasons to quality check data, and methods of data validation

18 Explaining Master Data Management Concepts

- Explain the basics of master data management
- Describe master data management processes

TERMS

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