CompTIA Data+ (DA0-002) Certification Training Course

5 – 9 September 2027
Cape town

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Ref: 1568_215664 **Date:** 5 – 9 September 2027 **Location:** Cape town **Fees:** 4500 Euro

Overview

CompTIA Data+ DA0-002 Certification Training Course is a one-week practitioner program for data analysts, reporting specialists, and operations professionals who prepare, analyze, and govern business data across enterprise environments. Organizations often struggle with inconsistent data pipelines, flawed analytical models, and complex regulatory compliance requirements. Participants learn structured data manipulation, statistical evaluation, dashboard development, and governance controls mapped to the NICE Framework Data Analyst work role IO-WRL-001. CompTIA Data+ DA0-002 Certification Training Course is delivered in collaboration with Agile Leaders Training Center.

Who Should Attend

- Data analysts responsible for querying relational databases and maintaining reporting workflows
- Business intelligence specialists building operational dashboards and executive presentations
- Operations researchers standardizing data acquisition and cleaning procedures
- Compliance officers overseeing data governance and statutory retention registers
- Systems coordinators configuring enterprise extract, transform, and load pipelines

The course assumes participants have basic familiarity with spreadsheets and relational databases, leaving out foundational desktop computer literacy and routine administrative tasks.

Departments and Industries

The course supports cross-functional teams managing critical analytical assets and reporting functions.

- Business intelligence and data analytics units
- Financial services and retail banking operations
- Healthcare informatics and clinical reporting teams
- Supply chain management and logistics planning departments
- Telecommunications and digital customer operations
- Information governance and regulatory compliance offices

Learning Objectives

By the end of this course, participants will be able to:

- Apply relational and non-relational database querying methods to extract business records
- Build automated extract, transform, and load workflows for structured data preparation
- Analyze organizational datasets using descriptive, diagnostic, and inferential statistical methods
- Design interactive visual dashboards tailored to specific operational decision requirements
- Prioritize data governance controls aligned with Personal Data Protection Law requirements
- Evaluate data lifecycle compliance against National Data Management Office audit specifications

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Course Agenda

Day 1: Data Concepts and Environments

- Data Types and Storage Architectures Matrix
- Cloud Infrastructure and Containerization Review Sheet
- Relational Database Schemas and Structured Query Language Models
- Non-Relational Structures and Document Store Schemas
- Artificial Intelligence and Natural Language Processing Baseline Framework

Day 2: Data Acquisition and Preparation

- Extract, Transform, and Load Pipeline Architecture
- Application Programming Interface Ingestion and Web Scraping Workflow
- Data Cleansing and Missing Value Imputation Protocol
- Data Transformation, Normalization, and Denormalization Blueprint
- Source System Reconciliation and Data Quality Audit Log

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Day 3: Data Analysis Methods and Statistical Modeling

- Descriptive and Summary Statistics Profile Sheet
- Exploratory Data Analysis and Hypothesis Testing Methodology
- Correlation Analysis and Regression Modeling Procedure
- Time Series Forecasting and Trend Identification Template
- Analytical Outlier Detection and Bias Evaluation Checklist

Day 4: Visualization, Reporting, and Data Governance

- Visual Encoding and Chart Selection Decision Tree
- Business Intelligence Dashboard Architecture and Filter Design
- Executive Reporting Scorecard and Distribution Cadence
- Personal Data Protection Law Compliance and Privacy Controls
- National Data Management Office Specification PDP.5.1 Audit Register

Day 5: Applied Analytics Practice and Capstone

- Suggested Exercise: Ingestion Pipeline and Data Quality Validation
- Suggested Exercise: Exploratory Statistical Modeling on Operational Records
- Suggested Exercise: Business Intelligence Dashboard Build and Usability Audit
- Suggested Exercise: Governance Classification and Retention Register Check
- Capstone Exercise: Enterprise Data Analytics and Governance Blueprint

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Practical Exercises

The course incorporates applied drills reflecting operational business intelligence scenarios.

- Suggested activity: build an automated cleaning pipeline to resolve schema anomalies and missing values.
- Suggested activity: formulate exploratory statistical models to detect operational variance across retail records.
- Suggested activity: produce a multi-tiered executive dashboard displaying core financial indicators.
- Suggested activity: construct an audit compliance register adhering to National Data Management Office control PDP.5.

FAQs

Who suits the CompTIA Data+ DA0-002 Certification Training Course and what does it assume?

The course suits analysts and reporting coordinators managing data pipelines. It assumes foundational knowledge of spreadsheets and database tables, bypassing basic software literacy.

How does CompTIA Data+ DA0-002 Certification Training Course differ from general business intelligence training?

CompTIA Data+ DA0-002 Certification Training Course integrates end-to-end data acquisition, statistical modeling, visual reporting, and formal data governance standards rather than focusing solely on dashboard software.

Which analytical tools does CompTIA Data+ DA0-002 Certification Training Course cover?

CompTIA Data+ DA0-002 Certification Training Course covers relational query techniques, statistical evaluation methods, automated transformation pipelines, and standardized reporting design frameworks.

How does CompTIA Data+ DA0-002 Certification Training Course address data privacy?

CompTIA Data+ DA0-002 Certification Training Course covers governance frameworks including Personal Data Protection Law requirements and National Data Management Office audit register controls.

Conclusion

Participants return to their organizations with an Enterprise Data Analytics and Governance Blueprint. This work product establishes standardized data extraction pipelines, validated statistical analysis methods, and compliant audit records. The framework improves reporting accuracy while ensuring strict adherence to national data governance mandates.