

# CompTIA Data+



## Online Course



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## Course Modules



### 1. Identifying Basic Concepts of Data Schemas

- Identify Relational and Non-Relational Databases
- Way We Use Tables, Primary Keys, and Normalization

### 2. Understanding Different Data Systems

- Describe Types of Data Processing and Storage Systems
- Explain How Data Changes

### 3. Understanding Types and Characteristics of Data

- Understand Types of Data
- Break Down the Field Data Types

### 4. Comparing Diff Data Structures, Formats, & Markup Lang

- Diff between Structured Data and Unstructured Data
- Recognize Different File Formats
- Understand the Different Code Languages Used for Data

### 5. Explaining Data Integration and Collection Methods

- Processes of Extracting, Transforming, and Loading Data
- Explain API/Web Scraping and Other Collection Methods
- Collect and Use Public and Publicly-Available Data
- Use and Collect Survey Data





## 6. Identifying Common Reasons for Cleansing and Profiling

- Learn to Profile Data
- Address Redundant, Duplicated, and Unnecessary Data
- Work with Missing Value
- Address Invalid Data
- Convert Data to Meet Specifications



## 7. Executing Different Data Manipulation Techniques

- Manipulate Field Data and Create Variables
- Transpose and Append Data
- Query Data

## 8. Common Techniques for Data Manipulation & Optimization

- Use Functions to Manipulate Data
- Use Common Techniques for Query Optimization

## 9. 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
- Recognize Types of Analysis



## 11. Understanding the Use of Different Statistical Methods

- Understand the Importance of Statistical Tests
- Break Down the Hypothesis Test
- Tests and Methods to Determine Relationships Bet Variables

## 12. Using the Appropriate Type of Visualization

- 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
- 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
- Utilize Standard Elements
- Creating a Narrative and Other Written Elements
- Understand Deployment Considerations

## **15. Understand Deployment Considerations**

- Understand How Updates and Timing Affect Reporting
- Differentiate Between Types of Reports

## **16. Summarizing 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 & Methods

## **18. Explaining Master Data Management Concepts**

- Explain the Basics of Master Data Management
- Describe Master Data Management Processes







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REMOTELY!!**

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in terms of time management,  
flexibility, and the ability  
to access resources anytime,  
anywhere can be compelling.



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