

PRODUCT PROFILE:

DataX (DY0-001)



OVERVIEW

The CompTIA DataX exam was developed to meet an industry need —bridge gaps in training and knowledge for data science professionals. The exam objectives include real-world scenarios where learners apply their knowledge, ensuring they are prepared for various challenges they may face in their careers as data scientists. Based on extensive input from experienced data scientists, DataX validates successful candidates can properly utilize and analyze vast amounts of data, extract meaning and generate actionable insights.

Successful DataX candidates gain the skills and knowledge required to:

- ✓ Understand and implement data science operations and processes.
- ✓ Apply mathematical and statistical methods appropriately and understand the importance of data processing and cleaning, statistical modeling, linear algebra and calculus concepts.
- ✓ Apply machine learning models and understand deep learning concepts.
- ✓ Utilize appropriate analysis and modeling methods and make justified model recommendations.
- ✓ Demonstrate understanding of industry trends and specialized data science applications.

The CompTIA DataX certification is good for three years from the day of passing your exam.

RECOMMENDED PREREQUISITES

- ✓ Having a minimum of five years of hands-on experience as a data scientist or the equivalent knowledge is strongly recommended.

KEY FEATURES

- ✓ Training delivery options
- ✓ Private cohort
- ✓ Self-paced
- ✓ Mentored learning
- ✓ Instructor-led training

TRAINING DURATION OPTIONS

- ✓ 5 days
- ✓ 8 weeks
- ✓ 13 weeks
- ✓ Custom Options

AVAILABLE PRODUCT OPTIONS

- ✓ CertMaster Perform New

KEY AUDIENCES

- ✓ This course is designed for data science professionals who are seeking to validate and expand their skillsets.

PRIMARY JOB ROLES

- ✓ Data Scientist
- ✓ Quantitative Analyst
- ✓ Machine Learning Engineer/Specialist
- ✓ Predictive Analyst
- ✓ Artificial Intelligence (AI) Engineer

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LESSON OUTLINE

Pre-assessment

1.0 Illustrating the Data Science Lifecycle

2.0 Analyzing Business Problems

3.0 Collecting Data

4.0 Cleaning and Preparing Data

5.0 Describing Data Features

6.0 Exploring Data

7.0 Navigating the Model Selection Process

8.0 Employing Machine Learning Methods

9.0 Experimenting with Deep Learning

10.0 Evaluating and Refining Data Models

11.0 Communicating for Business Impact

12.0 Deploying Data Models

13.0 Discovering Specialized Data Science Applications

A.0 CompTIA DataX DY0-001 Practice Test

EXAMPLE PRODUCT USES

CertMaster Perform is designed using a learning progression model that optimizes both information acquisition and skill development related to product learning objectives and job requirements.

! Did you know?

Data scientist jobs are projected to be among the fastest-growing occupations from 2023 to 2033.

230,000+ jobs were posted by U.S. employers over a 12-month period in May 2023.¹

Over the next 10 years, data scientist roles are projected to grow 24%, much higher than the national average.²

LEARNER OUTCOMES

CompTIA DataX (DY0-001) can broaden your knowledge for a diverse range of career paths, creating opportunities for advancement and specialization in the rapidly evolving data science industry. With CompTIA DataX, possible career paths include data scientist, quantitative analyst, machine learning engineer/specialist, predictive analyst, and artificial intelligence (AI) engineer.

EXAM DETAILS

Launch date – August 2024

Number of questions – Maximum of 90 questions per exam

Type of questions – Multiple choice

Length of test – 165 minutes

Passing score – Pass/Fail Only (No scaled score)