

EXAM DESCRIPTION

Hitachi Vantara Qualified Associate Applied Data Science (Business) HQT-0811 Exam

Exam Type

Qualification

Format

Proctored, closed book exam

Credential

Hitachi Vantara Qualified Associate - Applied Data Science (Business)

Validity 3 years

Delivery

[Kryterion Webassessor System](#)*

Questions 35

Passing Score 65%

Duration 60 minutes

Cost

US \$100 or equivalent in local currency (plus local tax, depending on location)

Supporting Material

• TOP4055 Applied Data Science for Business (Curriculum)

This test is primarily designed for college and university students who wish to pursue a career related to data science. It is also available to Hitachi Vantara customers, partners and employees, and anyone interested in the business-led aspects of data science and how data-driven decision making can be applied to projects across a diverse range of industries. The test will validate that the successful candidate has basic knowledge and understanding of data science concepts and methodology, statistics and data analysis techniques, Big Data and analytic data pipelines, and data modeling and visualization. The test also covers the basics of artificial intelligence (AI) and industrial internet of things (IIoT).

Audience: anyone interested in the business-led aspects of data science.

College or university students attending Business, Management, Marketing or Information Technology (IT) studies and IT professionals interested in how data science can be applied to drive business.

Test Objectives	
Section 1	Applied data science overview
1.1	Define the concepts of data science.
1.2	Describe the value of data.
1.3	Describe how Big Data can support business transformation.
1.4	Describe the "Thinking Like A Data Scientist" methodology.
1.5	Describe analytics maturity levels and data science process (DEPPA).
Section 2	Statistics and data analysis
2.1	Describe statistic techniques used within data science.
2.2	Describe data analysis methods.
Section 3	Data modeling and visualization
3.1	Describe data models for self-service reporting and analytics.
3.2	Describe common visualization techniques.
Section 4	Artificial intelligence and machine learning
4.1	Describe artificial intelligence (AI) and machine learning (ML) related terminology.
4.2	Describe the ethical aspects of artificial intelligence (AI).
Section 5	Internet of Things (IoT)
5.1	Describe the internet of things (IoT) and operational technology (OT) concepts.
5.2	Describe the drivers of digital transformation.

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5.3	Describe how Hitachi Vantara’s Pentaho and Lumada technologies are used in industrial internet of things (IIOT) projects.
Section 6	Data operations
6.1	Describe the principles of Data Operations (Data Ops).
6.2	Describe the analytics data pipeline concepts.
Section 7	Big Data
7.1	Describe the Big Data ecosystem.

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Hitachi Vantara



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