Your grade: 91.66%

Your latest: **91.66%** • Your highest: **91.66%** • To pass you need at least 70%. We keep your highest score.

[Next item →]

You increased your skill scores!

Cloud Computing	Your score: **4** (↑4) Conversant
Keep going! At a conversant level, you have familiarity with the vocabulary and are able to pass easy content.	

Digital Transformation	Your score: **6** (↑6) Conversant
Keep going! At a conversant level, you have familiarity with the vocabulary and are able to pass easy content.	

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1. What has enabled the recent growth of data science compared to data science in the past?   `1 / 1 point`

- ○ Data science is no longer relevant because we have too much data.
- ○ The software is now more expensive, and data is limited.
- ◉ The abundance of data, availability of algorithms, and affordable, accessible tools for storing and analyzing data are highlighted.
- ○ We now have a lack of data and fewer algorithms.

> ⊘ **Correct**
> Correct! The emphasis is on the abundance of data, the availability of algorithms, and cheaper and more accessible tools for data storage and analysis today.

2. In the "Many Paths to Data Science" video, what did the speaker initially want to be before finding data science more interesting?   `0 / 1 point`

- ○ An astronaut
- ○ A singer
- ○ A small business owner
- ◉ A lawyer

> ⊗ **Incorrect**
> Incorrect. Please review "The Many Paths to Data Science" video.

3. What does the article "The Sexiest Job in the 21st Century" predict will happen when executives become versed in data analytics?   `1 / 1 point`

- ○ They will change their field to data science.
- ○ They will go back to school.
- ◉ Organizations will see real change in their businesses.
- ○ They will retire.

> ⊘ **Correct**
> Correct! The article "The Sexiest Job in the 21st Century" claims that real change will happen once C-suite executives become versed in data analytics.

4. Which of the following is an important skill for becoming a data scientist?   `1 / 1 point`

- ○ Experience leading a team
- ○ Know a lot about front-end web development
- ○ Economic skills
- ◉ Be able to tell good stories

> ⊘ **Correct**
> Correct! Storytelling is an important skill for a data scientist.

5. In the video "How Big Data is Driving Digital Transformation," whose support is crucial for successful digital transformation?   `1 / 1 point`

- ○ External stakeholders
- ◉ Chief Executive Officer and others
- ○ Lead developers
- ○ Marketing department

> ⊘ **Correct**
> Correct! As mentioned in the video, the support of top-level executives like the Chief Executive Officer is vital for the success of digital transformation.

6. Which is an example of cloud computing?   `1 / 1 point`

- ○ Sending a text message
- ○ Creating new business processes
- ○ Taking a digital photograph
- ◉ Employees using online business applications to do their work

> ⊘ **Correct**

Correct! Digital transformation fundamentally changes how organizations operate, as mentioned in the video.

7. Which of these are the common elements associated with Big Data?   1 / 1 point

○ Efficiency, Effectiveness, Emotion, Engagement, Economics

○ Frequency, Footage, Features, Factuality, Fun

○ Speed, Size, Sameness, Security, Satisfaction

⦿ Velocity, Volume, Variety, Veracity, Value

⊘ **Correct**
Correct! The video discusses these common elements associated with Big Data.

8. Who is likely to use the tools Apache Hadoop, Apache Hive, and Apache Spark?   1 / 1 point

○ A statistician

○ A CEO

○ A database administrator

⦿ A data scientist

⊘ **Correct**
Correct! Data scientists use these open-source technologies to analyze big data.

9. Which term best describes the statement, "a subset of AI that uses computer algorithms to analyze data and make intelligent decisions based on what it is learned without being explicitly programmed."   1 / 1 point

○ Data scientist

⦿ Machine learning

○ Big data

○ Distributed network

⊘ **Correct**
Correct! Machine learning is a subset of AI that uses computer algorithms to analyze data and make intelligent decisions based on what is learned without being explicitly programmed."

10. Fill in the blank. The _____ of a data mining exercise largely depends on the quality of the data.   1 / 1 point

○ Results

⦿ Success

○ Difficulty

○ Input

⊘ **Correct**
Correct! According to the Data Mining reading, the success of a data mining exercise largely depends on the quality of the data.

11. What is the primary focus of generative AI models?   1 / 1 point

⦿ Create new instances that replicate the underlying distribution of data

○ To replace a need for curiosity

○ To determine business needs

○ Create a story about the data for the stakeholders

⊘ **Correct**
Correct! Generative AI focuses on replicating human creations by creating new data.

12. What is one application of machine learning in retail banking and finance?   1 / 1 point

○ Market basket analysis

○ Predictive analytics

⦿ Fraud detection

○ Precision versus recall

⊘ **Correct**
Correct! Fraud detection is mentioned as an application of machine learning in the retail aspects of banking and finance.