

# Big Data and Machine Learning

Quiz, 7 questions

7/7 points (100%)



## Congratulations! You passed!

Next Item



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point

1.

Name two use cases for Google Cloud Dataproc (Select 2 answers).



Manage data that arrives in realtime



**Un-selected is correct**



Manage datasets of unpredictable size



**Un-selected is correct**



Migrate on-premises Hadoop jobs to the cloud



**Correct**

Correct!



Data mining and analysis in datasets of known size



**Correct**

Correct!



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point

## 2. Big Data and Machine Learning

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Name two use cases for Google Cloud Dataflow (Select 2 answers).

7/7 points (100%)



Reserved compute instances



Un-selected is correct



Extract, Transform, and Load (ETL)



Correct

Correct!



Manual resource management



Un-selected is correct



Orchestration



Correct

Correct!



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point

3.

Name three use cases for the Google Cloud Machine Learning Platform (Select 3 answers).



Fraud detection



Correct

Correct!



Content personalization



Correct

Correct!

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Sentiment analysis

**Correct**  
Correct!



Data preparation



**Un-selected is correct**



Query architecture



**Un-selected is correct**



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point

4.

Which statements are true about BigQuery? Choose all that are true (2 statements).



BigQuery is a good choice for data analytics warehousing.



**Correct**  
Correct!



BigQuery lets you run fast SQL queries against large databases.



**Correct**  
Correct!



Once in BigQuery, data is not accessible from other GCP services.



**Un-selected is correct**



BigQuery requires that you provision database instances ahead of use.



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BigQuery is a good choice for online transaction processing.



Un-selected is correct



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point

5.

Name three use cases for Cloud Pub/Sub (Select 3 answers).



Analyzing streaming data



Correct

Correct!



Executing ad-hoc SQL queries



Un-selected is correct



Internet of Things applications



Correct

Correct!



Storage of binary web content



Un-selected is correct



Decoupling systems



Correct

Correct!

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6.

What is TensorFlow?

- ☐ A hardware device designed to accelerate machine learning workloads
- ☐ A managed service for building data pipelines
- ☒ An open-source software library that's useful for building machine learning applications

**Correct**  
Correct!

- ☐ A managed service for building machine learning models



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point

7.

What does the Cloud Natural Language API do?

- ☒ It analyzes text to reveal its structure and meaning.

**Correct**  
Correct!

- ☐ It extracts text in various languages from images.
- ☐ It translates arbitrary strings into any supported language.
- ☐ It performs sentiment analysis on audio and video content.



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