

## Quiz - Big Data and Machine Learning

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

1 / 1 point

- ☐ Manage datasets of unpredictable size
- ☐ Manage data that arrives in realtime
- ☒ Migrate on-premises Hadoop jobs to the cloud

✓ Correct

Correct!

- ☒ Data mining and analysis in datasets of known size

✓ Correct

Correct!

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

1 / 1 point

☐ Reserved compute instances

☒ Extract, Transform, and Load (ETL)

✓ Correct

Correct!

☐ Manual resource management

☒ Orchestration

✓ Correct

Correct!

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

1/1

☐ Data preparation

☒ Content personalization

✓ **Correct**

Correct!

☒ Sentiment analysis

✓ **Correct**

Correct!

☒ Fraud detection

✓ **Correct**

Correct!

☐ Query architecture

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

1 / 1 pt

☐ BigQuery is a good choice for online transaction processing.

☒ BigQuery is a good choice for data analytics warehousing.

✓ Correct

Correct!

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

☒ BigQuery lets you run fast SQL queries against large databases.

✓ Correct

Correct!

☐ BigQuery requires that you provision database instances ahead of use.

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

1 / 1 pt

☒ Internet of Things applications

✓ **Correct**

Correct!

☐ Executing ad-hoc SQL queries

☒ Analyzing streaming data

✓ **Correct**

Correct!

☒ Decoupling systems

✓ **Correct**

Correct!

☐ Storage of binary web content

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6. What is TensorFlow?

1 / 1 point

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

✓ Correct

Correct!

7. What does the Cloud Natural Language API do?

1 / 1 point

- ☐ It extracts text in various languages from images.
- ☒ It analyzes text to reveal its structure and meaning.
- ☐ It translates arbitrary strings into any supported language.
- ☐ It performs sentiment analysis on audio and video content.

✓ Correct

Correct!