

Quiz

Foundations for Big Data

1. Which of the following is the best description of why it is important to learn about the foundations for big data?

1 / 1 point

- ☒ Foundations allow for the understanding of practical concepts in Hadoop.
- ☐ Foundations help you revisit calculus concepts required in the understanding of big data.
- ☐ Foundations is all that is required to show a mastery of big data concepts.
- ☐ Foundations stand the test of time.



Correct

See [this video](#) to review.

2. What is the benefit of a commodity cluster?

1 / 1 point

- ☐ Prevents network connection failure.
- ☐ Prevents individual component failures.
- ☒ Cost Effective
- ☐ Much faster than a traditional super computer.



Correct

See [this video](#) to review.

3. What is a way to enable fault tolerance?

1 / 1 point

- ☒ Data-Parallel Job Restart
- ☐ Better LAN Connection
- ☐ System Wide Restart
- ☐ Distributed Computing



Correct

See [this video](#) to review.

4. What are the specific benefit(s) to a distributed file system?

1 / 1 point

☒ High Concurrency

✓ **Correct**
See [this video](#) to review.

☒ Data Scalability

✓ **Correct**
See [this video](#) to review.

☐ Large Storage

☒ High Fault Tolerance

✓ **Correct**
See [this video](#) to review.

5. Which of the following are general requirements for a programming language in order to support big data models?

1 / 1 point

☒ Enable Adding of More Racks

✓ **Correct**
See [this video](#) to review.

☒ Support Big Data Operations

✓ **Correct**
See [this video](#) to review.

☒ Handle Fault Tolerance

✓ **Correct**
See [this video](#) to review.

☐ Utilize Map Reduction Methods

☒ Optimization of Specific Data Types

✓ **Correct**
See [this video](#) to review.