

✔ Congratulations! You passed!

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Grade received 100% Latest Submission Grade 100% To pass 80% or higher

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 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.
- ☒ Foundations allow for the understanding of practical concepts in Hadoop.



Correct

See [this video](#) to review.

2. What is the benefit of a commodity cluster?

1 / 1 point

- ☐ Much faster than a traditional super computer
- ☐ Prevents network connection failure
- ☒ Enables fault tolerance
- ☐ Prevents individual component failures



Correct

See [this video](#) to review.

3. What is a way to enable fault tolerance?

1 / 1 point

- ☐ Distributed Computing
- ☐ System Wide Restart
- ☐ Better LAN Connection
- ☒ Redundant Data Storage



Correct

See [this video](#) to review.

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

1 / 1 point

☒ Data Scalability



Correct

See [this video](#) to review.

☒ High Concurrency



Correct

See [this video](#) to review.

☒ High Fault Tolerance



Correct

See [this video](#) to review.

☐ Large Storage

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

1 / 1 point

☒ Handle Fault Tolerance



Correct

See [this video](#) to review.

See [this video](#) to review.

☒ Enable Adding of More Racks



Correct

See [this video](#) to review.

☒ Optimization of Specific Data Types



Correct

See [this video](#) to review.

☒ Support Big Data Operations



Correct

See [this video](#) to review.

☐ Utilize Map Reduction Methods