

Name _____

Navigating the Challenges of Big Data and Analytics

Short Answer Key

1. Possible Answer: Data velocity refers to the speed at which data is generated and needs to be processed in Big Data systems. It often involves real-time data streams that require immediate analysis.
2. Possible Answer: Data integration involves combining data from various sources into a unified format. It is essential because it enables organizations to analyze a holistic view of their data, uncovering insights that may not be apparent when data is kept in separate silos.
3. Possible Answer: Data governance practices, such as defining data ownership, access controls, and compliance with regulations, ensure that data is properly managed, protected, and used responsibly in Big Data systems.
4. Possible Answer: Data visualization tools, such as charts and graphs, can present complex data in a visually understandable format. For example, a sales dashboard can display sales trends over time, helping decision-makers identify opportunities and make informed decisions.

