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Grade received **100%** To pass 70% or higher

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## Graded Quiz

Latest Submission Grade 100%

1. A modern data ecosystem includes a network of continually evolving entities. It includes:

1 / 1 point

- ☒ Data sources, enterprise data repository, business stakeholders, and tools, applications, and infrastructure to manage data
- ☐ Social media sources, data repositories, and APIs
- ☐ Data providers, databases, and programming languages
- ☐ Data sources, databases, and programming languages

✓ **Correct**  
These are the key entities of a modern data ecosystem.

2. Data Engineers work within the data ecosystem to:

1 / 1 point

- ☐ Provide business intelligence solutions by monitoring data on different business functions
- ☐ Analyze data for actionable insights
- ☒ Develop and maintain data architectures
- ☐ Analyze data for deriving insights

✓ **Correct**  
One of the responsibilities of a Data Engineer in a data ecosystem is to develop and maintain data architectures so that data is available for business operations and analysis.

3. The goal of data engineering is to make quality data available for fact-finding and decision-making. Which one of these statements captures the process of data engineering?

1 / 1 point

- ☐ Collecting, processing, and storing data
- ☐ Processing data and making it available to users securely
- ☒ Collecting, processing, storing, and making data available to users securely
- ☐ Collecting, processing, and making data available to users securely

✓ **Correct**  
Data engineering includes the collection of data from disparate sources, processing data so that it is usable, storing processed data, and making it available to users securely.

4. Data extracted from disparate sources can be stored in:

1 / 1 point

- ☐ Data Lakes only
- ☐ Databases only
- ☐ Data Warehouses only
- ☒ Databases, data warehouses, data lakes, or any other type of data repository

✓ **Correct**  
Data extracted from multiple sources can be stored in any type of data repository, such as, databases, data warehouses, and data lakes.

5. From the provided list, select the three emerging technologies that are shaping today's data ecosystem.

1 / 1 point

- ☒ Cloud Computing, Machine Learning, and Big Data
- ☐ Big Data, Internet of Things, and Dashboarding
- ☐ Machine Language, Cloud Computing, and Internet of Things
- ☐ Cloud Computing, Internet of Things, and Dashboarding



**Correct**

Emerging technologies such as Cloud Computing, Machine Learning, and Big Data are shaping today's data ecosystem and its possibilities.