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Grade received 80% To pass 70% or higher

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Graded Quiz

Latest Submission Grade 80%

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

1 / 1 point

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

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

2. Data Analysts work within the data ecosystem to:

1 / 1 point

- ☐ Provide business intelligence solutions by monitoring data on different business functions
- ☐ Develop and maintain data architectures
- ☒ Gather, clean, mine, and analyze data for deriving insights
- ☐ Build Machine Learning or Deep Learning models

✔ **Correct**
The role of a Data Analyst in a data ecosystem is to gather, clean, mine, and analyze data to derive insights.

3. When we analyze data in order to understand why an event took place, which of the four types of data analytics are we performing?

1 / 1 point

- ☐ Descriptive Analysis
- ☒ Diagnostic Analysis
- ☐ Prescriptive Analysis
- ☐ Predictive Analysis

✔ **Correct**
Diagnostic Analysis helps us understand why an event took place—the cause of an outcome.

4. The first step in the data analysis process is to gain an in-depth understanding of the problem and the desired outcome. What are you seeking answers to at this stage of the data analysis process?

0 / 1 point

- ☐ The best tools for sourcing data
- ☒ What will be measured and how it will be measured
- ☐ The data you need
- ☐ Where you are and where you need to be

✘ **Incorrect**
These are not what you seek answers to as the first step in the data analysis process.

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

1 / 1 point

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

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