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 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**

- ( ) Prescriptive Analysis
- ( ) Predictive Analysis
- ( ) Descriptive Analysis
- (●) Diagnostic 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? **1 / 1 point**

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

**Correct**
As a first step in the Data Analysis process, you are seeking answers to "where you are", that is, what is the problem that needs to be solved, and "where you need to be", that is, what is the desired outcome that needs to be achieved.

5. From the provided list, select the three emerging technologies that are shaping today's data ecosystem. **1 / 1 point**

- ○ Big Data, Internet of Things, and Dashboarding
- ◉ Cloud Computing, Machine Learning, and Big Data
- ○ 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.