1. Automated tools, frameworks, and processes for all stages of the data analytics process are part of the Data Engineer's ecosystem. What role do data integration tools play in this ecosystem?

1 / 1 point

- ⦿ Combine data from multiple sources into a unified view that is accessed by data consumers to query and manipulate data
- ◯ Store high-volume day-to-day operational data in data repositories
- ◯ Cover the entire journey of data from source to destination
- ◯ Conduct complex data analytics

✓ **Correct**
Data Integration tools provide a unified view to data collected from disparate sources so that it can be accessed via a single interface for query and manipulation by data consumers.

2. Which of these data sources is an example of semi-structured data?

1 / 1 point

- ◯ Social media feeds
- ⦿ Emails
- ◯ Documents
- ◯ Network and web logs

✓ **Correct**
Emails are a source of semi-structured data as they have a mix of data with some organizational properties but do not follow a rigid schema.

3. Which one of the provided file formats is commonly used by APIs and Web Services to return data?

1 / 1 point

- ◯ XML
- ◯ XLS
- ◯ Delimited file
- ⦿ JSON

✓ **Correct**
JSON is the format that is most used by APIs and Web Services to return data.

4. What is one example of the relational databases discussed in the video?

1 / 1 point

○ XML

◉ SQL Server

○ Spreadsheet

○ Flat files

✓ **Correct**
   SQL Server is one of the examples of relational databases shared in the video.

5. Which of the following languages is one of the most popular querying languages in use today?

1 / 1 point

○ Java

○ Python

◉ SQL

○ R

✓ **Correct**
   SQL, or Structured Query Language, is one of the most popular querying languages in use today.