

Quiz 1 - The Data Ecosystem and Languages for Data Professionals

1. There are two main types of data repositories – Transactional and Analytical. For high-volume day-to-day operational data such as banking transactions, Transactional, or OLTP, systems are the ideal choice.

1 / 1 point

- ☒ True
☐ False

✓ Correct

Transactional, or OLTP, systems are designed and optimized for handling high-volume transactions.

2. Which of the following is an example of unstructured data?

1 / 1 point

- ☐ Spreadsheets
☒ Video and Audio files
☐ XML
☐ Zipped files

✓ Correct

Video and audio files are examples of unstructured data.

3. Which one of these file formats is independent of software, hardware, and operating systems, and can be viewed the same way on any device?

1 / 1 point

- ☐ Delimited text file
☐ XML
☒ PDF
☐ XLSX

✓ Correct

PDF format is independent of software, hardware, and operating systems, and can be viewed the same way on any device.

4. Which data source can return data in plain text, XML, HTML, or JSON among others?

1 / 1 point

- ☐ XML
☐ Delimited text file
☐ PDF
☒ APIs

✓ Correct

5. In the data engineer's ecosystem, languages are classified by type. What are shell and scripting languages most commonly used for?

1 / 1 point

- ☐ Querying data
- ☒ Automating repetitive operational tasks
- ☐ Manipulating data
- ☐ Building apps

✓ **Correct**

Shell and scripting languages are commonly used for automating repetitive operational tasks.