1. What is the main purpose of a data pipeline? **1 / 1 point**

   ○ Loading

   ◉ Move data from one place or form to another

   ○ Storage

   ○ Data container

   ✓ **Correct**
   Correct, data pipelines move data from one place or form to another.

2. Which of the following data pipeline processes keep the pipeline running smoothly? **1 / 1 point**

   ○ Ingestion

   ◉ Maintenance and Optimization

   ○ Monitoring

   ○ Scheduling and Triggering

   ✓ **Correct**
   Correct, maintenance and optimization keep the pipeline up and running smoothly.

3. Which of the following is the main reason to use Lambda architecture instead of Micro-batch, Streaming, or Batch data pipelines? **1 / 1 point**

   ○ Help with load balancing

   ○ Accuracy is critical

   ◉ Access to earlier data and speed is important

   ○ Records are processed immediately

   ✓ **Correct**
   Correct, Lambda can be used in cases where access to earlier data is required but speed is also important.

4. Which of the following data pipeline tools is specific to ELT?

1 / 1 point

  ○ Alteryx

  ○ Talend Open Studio

  ◉ Panoply

  ○ AWS Glue

  ⊘ **Correct**
    Correct, Panoply is an ELT-specific platform.

5. There are always stages that are bottlenecks in the data flow of pipelines. Which of the following is a simple way to load balance pipelines?

1 / 1 point

  ○ Serialize

  ○ Queues

  ◉ Parallelize

  ○ Buffers

  ⊘ **Correct**
    Correct, this distributes data packets as they arrive and helps balance loads.