✅ **Congratulations! You passed!**

Grade received 87.50%   To pass 80% or higher

Go to next item

Enterprise Data Storage

Total points 4

1. **As data evolves during its life cycle**, which of the following factors should ML pipelines address to operate properly?(check all that apply).

   ☑ Account for anomaly detection.

   ✓ **Correct**
   Way to go! For example data errors must be handled in the same way as code bugs.

   ☐ Monitor model and data provenance.

   ☑ Account for scalable solutions.

   ✓ **Correct**
   Spot on. Production traffic will vary from day to day and thus your pipeline must scale accordingly.

   ☑ Provide resilient mechanisms for disruptions.

   ✓ **Correct**
   Keep it up!. For example ML pipelines should incorporate resilient mechanisms to deal with inconsistent data.

   ☐ Use feature engineering.

   1 / 1 point

2. Many modeling problems use identical or similar features, and there is substantial value in enabling teams to share features between their own projects and for teams in different organizations to share features with each other. Which of the following storage solutions is deliberately designed to address these user cases?

   ☑ Feature Store

   ✓ **Correct**
   Correct! Feast is an example of an open source feature store.

   ☐ Data lake

   ☐ Relational database

   ☐ Data warehouse

   1 / 1 point

3. Which are the main advantages of using a cloud-based data warehouse ?(check all that apply)

   ☐ They are cost efficient

   ☑ User owns and controls data governance.

   ⊗ **This should not be selected**
   In fact, for cloud-based services, data governance is not typically controlled by the user. Please rewatch this video for clarification.

   ☐ User needs to handle all maintenance

   ☑ Provides easy on-demand scalable solution

   ✓ **Correct**
   Nice going! Cloud solutions are really flexible for scaling up.

   0.5 / 1 point

4. About data lakes it's only true that:

   ○ Aggregates data from a single source only.

   ○ Handles only processed data

   ⦿ Can handle both structured and unstructured data.

   ○ Handles only structured data.

   1 / 1 point

Correct
That's right! Data lakes are really flexible in the type of data they can handle.