

✔ Congratulations! You passed!

Grade received 100% To pass 80% or higher

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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).

1 / 1 point

✔ Account for scalable solutions.

✔ Correct

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

☐ Monitor model and data provenance.

✔ Provide resilient mechanisms for disruptions.

✔ Correct

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

✔ Account for anomaly detection.

✔ Correct

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

☐ Use feature engineering.

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?

1 / 1 point

☐ Data warehouse

☐ Relational database

✔ Feature Store

✔ Correct

Correct! [Feast](#) is an example of an open source feature store.

☐ Data lake

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

1 / 1 point

☐ User needs to handle all maintenance

☐ User owns and controls data governance.

✔ They are cost efficient

✔ Correct

Perfect! Otherwise all the software and hardware costs will be handled by your organization.

✔ Provides easy on-demand scalable solution

✔ Correct

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

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

1 / 1 point

☐ Aggregates data from a single source only.

✔ Can handle both structured and unstructured data.

☐ Handles only processed data

☐ Handles only structured data.

✔ Correct

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