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Exam Professional Machine Learning Engineer All Questions

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📄 **EXAM PROFESSIONAL MACHINE LEARNING ENGINEER TOPIC 1 QUESTION 165 DISCUSSI...**

Actual exam question from Google's Professional Machine Learning Engineer

Question #: 165

Topic #: 1

[All Professional Machine Learning Engineer Questions]

You want to train an AutoML model to predict house prices by using a small public dataset stored in BigQuery. You need to prepare the data and want to use the simplest, most efficient approach. What should you do?

A. Write a query that preprocesses the data by using BigQuery and creates a new table. Create a Vertex AI managed dataset with the new table as the data source.

B. Use Dataflow to preprocess the data. Write the output in TFRecord format to a Cloud Storage bucket.

C. Write a query that preprocesses the data by using BigQuery. Export the query results as CSV files, and use those files to create a Vertex AI managed dataset.

D. Use a Vertex AI Workbench notebook instance to preprocess the data by using the pandas library. Export the data as CSV files, and use those files to create a Vertex AI managed dataset.
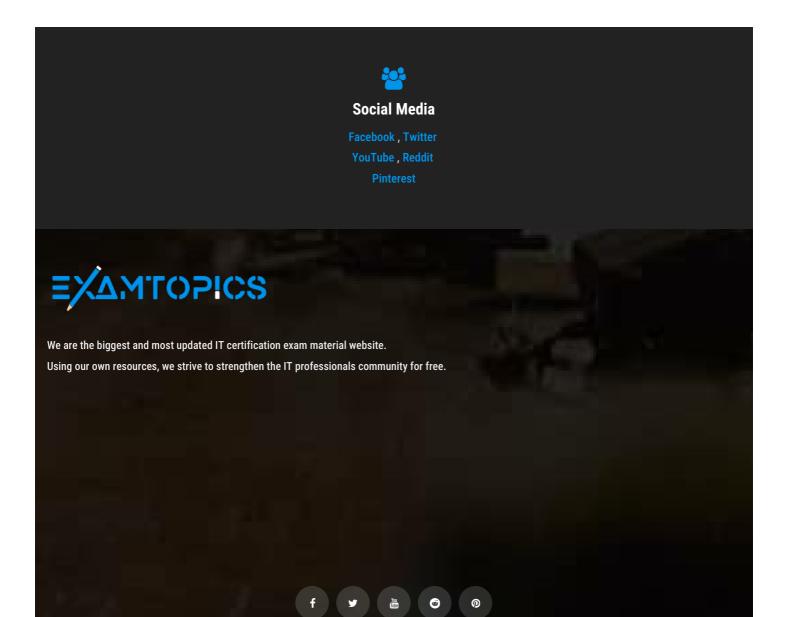
Show Suggested Answer

by 👤 kalle_balle at *Jan. 7, 2024, 4:01 a.m.*

Comments

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PhilipKoku 4 months, 2 weeks ago

Selected Answer: A

A) Keep the data in BigQuery and create a new table to avoid latency moving data out of BigQuery

👍 ↩ 🚩 upvoted 2 times

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nmnm22 4 months, 3 weeks ago

Selected Answer: A

A seems the correct one

👍 ↩ 🚩 upvoted 1 times

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gscharly 6 months, 1 week ago

Selected Answer: A

I go for A:

👍 ↩ 🚩 upvoted 1 times

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shadz10 9 months, 1 week ago

Selected Answer: A

can export directly from big query as vertex ai managed dataset to use train an autoML model

👍 ↩ 🚩 upvoted 1 times

36bdc1e 9 months, 2 weeks ago

A

By writing a query that preprocesses the data using BigQuery and creating a new table, you can directly create a Vertex AI managed dataset with the new table as the data source. This approach is efficient because it leverages BigQuery's powerful data processing capabilities and avoids the need to export data to another format or service. It also simplifies the process by keeping everything within the Google Cloud ecosystem. This makes it easier to manage and monitor your data and model training process.

👍 ↩ 🚩 upvoted 2 times

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vale_76_na_xxx 9 months, 2 weeks ago

I go for A:

👍 ↩ 🚩 upvoted 2 times

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b1a8fae 9 months, 2 weeks ago

Selected Answer: A

Forgot to vote

👍 ↩ 🚩 upvoted 1 times

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b1a8fae 9 months, 2 weeks ago

A seems the easiest to me: preprocess the data on BigQuery (where the input table is stored) and export directly as Vertex AI managed dataset.

👍 ↩ 🚩 upvoted 2 times

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kalle_balle 9 months, 2 weeks ago

Selected Answer: B

Dataflow seems like the easiest and most scalable way to deal with this issue. Option B.

👍 ↩ 🚩 upvoted 1 times

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pinimichele01 5 months, 4 weeks ago

small dataset -> no dataflow

👍 ↩ 🚩 upvoted 1 times

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