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📄 **EXAM PROFESSIONAL MACHINE LEARNING ENGINEER TOPIC 1 QUESTION 7 DISCUSSION**

Actual exam question from Google's Professional Machine Learning Engineer
Question #: 7
Topic #: 1
[All Professional Machine Learning Engineer Questions]

You need to build classification workflows over several structured datasets currently stored in BigQuery. Because you will be performing the classification several times, you want to complete the following steps without writing code: exploratory data analysis, feature selection, model building, training, and hyperparameter tuning and serving. What should you do?

A. Configure AutoML Tables to perform the classification task.

B. Run a BigQuery ML task to perform logistic regression for the classification.

C. Use AI Platform Notebooks to run the classification model with pandas library.

D. Use AI Platform to run the classification model job configured for hyperparameter tuning.

Show Suggested Answer

by 👤 **gcp2021go** at *June 5, 2021, 5:43 p.m.*

Comments

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⊟ 👤 **guruguru** [Highly Voted 👍] 3 years, 3 months ago

A. Because BigQuery ML need to write code.

👍 ↩ 🚩 upvoted 27 times

⊟ 👤 **tadeupan** `Most Recent ⊙` 3 months, 1 week ago

create a model without doing literally anything, logo AutoML. A.

👍 ↩ 🚩 upvoted 1 times

⊟ 👤 **PhilipKoku** 4 months, 2 weeks ago

`Selected Answer: A`

A) Auto ML Tables doesn't require code.

👍 ↩ 🚩 upvoted 1 times

⊟ 👤 **Azhar10** 6 months, 3 weeks ago

The question says 'over several structured datasets' means large/multiple datasets and 'several times' means frequently use of data. Though BigQuery ML is not an absolute 'NO Code' solution but all it needs is very simple SQL query to train ML model So 'B' could be the correct answer here but it is asking for Hyperparameter tuning which is not available in BigQuery ML so correct answer is 'A'

👍 ↩ 🚩 upvoted 3 times

⊟ 👤 **fragkris** 10 months, 3 weeks ago

`Selected Answer: A`

A - AutoML is no code

👍 ↩ 🚩 upvoted 1 times

⊟ 👤 **harithacML** 1 year, 3 months ago

`Selected Answer: A`

requirement : No code
A. Configure AutoML Tables to perform the classification task. : No code
B. Run a BigQuery ML task to perform logistic regression for the classification. : coding LR model
C. Use AI Platform Notebooks to run the classification model with pandas library. : Notebooks include codes
D. Use AI Platform to run the classification model job configured for hyperparameter tuning.: job needs to be written what to execute

👍 ↩ 🚩 upvoted 1 times

⊟ 👤 **M25** 1 year, 5 months ago

`Selected Answer: A`

Went with A

👍 ↩ 🚩 upvoted 1 times

⊟ 👤 **Moulichintakunta** 1 year, 10 months ago

`Selected Answer: A`

Because BigQueryML doesn't have lots of steps that mentioned in question

👍 ↩ 🚩 upvoted 1 times

⊟ 👤 **EFIGO** 1 year, 11 months ago

`Selected Answer: A`

"without writing code" ==> AutoML
A is correct

👍 ↩ 🚩 upvoted 1 times

⊟ 👤 **abhi0706** 1 year, 11 months ago

Correct answer is "A"

👍 ↩ 🚩 upvoted 1 times

⊟ 👤 **GCP72** 2 years, 2 months ago

`Selected Answer: A`

Correct answer is "A"

👍 ↩ 🚩 upvoted 1 times

⊟ 👤 **sachinxshrivastav** 2 years, 2 months ago

`Selected Answer: A`

Because BigQuery ML need to write code, so A is the correct one

👍 ↩ 🚩 upvoted 1 times

⊟ 👤 **Mohamed_Mossad** 2 years, 4 months ago

`Selected Answer: A`

"without writing code" only A option complies with this statment , all other options requires writing code

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caohieu04 2 years, 7 months ago

A is correct

👍 ↩ ⚑ upvoted 2 times

NamitSehgal 2 years, 9 months ago

A is correct

https://cloud.google.com/automl-tables/docs/beginners-guide

👍 ↩ ⚑ upvoted 3 times

MisterHairy 2 years, 10 months ago

=New Question7=
You recently designed and built a custom neural network that uses critical dependencies specific to your organization's framework. You need to train the model using a managed training service on Google Cloud. However, the ML framework and related dependencies are not supported by AI Platform Training. Also, both your model and your data are too large to fit in memory on a single machine. Your ML framework of choice uses the scheduler, workers, and servers distribution structure. What should you do?

A. Build your custom container to run jobs on AI Platform Training
B. Use a built-in model available on AI Platform Training
C. Build your custom containers to run distributed training jobs on AI Platform Training
D. Reconfigure your code to a ML framework with dependencies that are supported by AI Platform Training

👍 ↩ ⚑ upvoted 3 times

> **coderpk** 2 years, 9 months ago
>
> C custom container and distributed system
>
> 👍 ↩ ⚑ upvoted 4 times

> **A4M** 2 years, 9 months ago
>
> Answer - C
> It's between A & C
> C - Because the questions states data too large to fit in memory hence distributed training is relevant
>
> 👍 ↩ ⚑ upvoted 3 times

> **morgan62** 2 years, 6 months ago
>
> C is the answer without doubt.
> A: Distributed? Nope
> B: Built-in? Nope
> D: Reconfig? Nope
>
> 👍 ↩ ⚑ upvoted 3 times

> **MisterHairy** 2 years, 10 months ago
>
> Answer?
>
> 👍 ↩ ⚑ upvoted 1 times

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ashii007 2 years, 10 months ago

You have to export out BQ trained ML model to set it up for inference. Inference is not natively offered in BQ.
You can perform EDA in autoML tables.

👍 ↩ ⚑ upvoted 1 times

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