

Google Discussions



Exam Professional Machine Learning Engineer All Questions

View all questions & answers for the Professional Machine Learning Engineer exam

Go to Exam

EXAM PROFESSIONAL MACHINE LEARNING ENGINEER TOPIC 1 QUESTION 285 DISCUSSI...

Actual exam question from Google's Professional Machine Learning Engineer

Question #: 285

Topic #: 1

[\[All Professional Machine Learning Engineer Questions\]](#)

You have recently developed a custom model for image classification by using a neural network. You need to automatically identify the values for learning rate, number of layers, and kernel size. To do this, you plan to run multiple jobs in parallel to identify the parameters that optimize performance. You want to minimize custom code development and infrastructure management. What should you do?

- A. Train an AutoML image classification model.
- B. Create a custom training job that uses the Vertex AI Vizier SDK for parameter optimization.
- C. Create a Vertex AI hyperparameter tuning job.
- D. Create a Vertex AI pipeline that runs different model training jobs in parallel.

Show Suggested Answer

by [guilhermebutzke](#) at Feb. 19, 2024, 3:43 p.m.

Comments

Type your comment...

Submit

  **guilhermebutzke** Highly Voted  8 months ago

Selected Answer: C

My Answer: C

Vertex AI provides a service for hyperparameter tuning which allows you to specify the hyperparameters you want to optimize, such as learning rate, number of layers, and kernel size, and then it automatically runs multiple training jobs with different combinations of these hyperparameters to find the configuration that maximizes performance.

   upvoted 8 times

  **VinaoSilva** Most Recent  3 months, 3 weeks ago

Selected Answer: C

<https://cloud.google.com/vertex-ai/docs/training/using-hyperparameter-tuning>

   upvoted 2 times

  **omermahgoub** 6 months, 1 week ago

Selected Answer: C

Leverage Vertex AI Hyperparameter Tuning

   upvoted 2 times

  **pinimichele01** 5 months, 3 weeks ago


why not b?

   upvoted 1 times

  **YushiSato** 2 months, 1 week ago

Additional code is required to use the Vertex AI Vizier SDK.

   upvoted 1 times

  **alfieroy16** 7 months ago

Selected Answer: C

True that

   upvoted 1 times

Start Learning for free



Social Media

[Facebook](#) , [Twitter](#)

[YouTube](#) , [Reddit](#)

[Pinterest](#)



We are the biggest and most updated IT certification exam material website.

Using our own resources, we strive to strengthen the IT professionals community for free.



© 2024 ExamTopics

ExamTopics doesn't offer Real Microsoft Exam Questions. ExamTopics doesn't offer Real Amazon Exam Questions. ExamTopics Materials do not contain actual questions and answers from Cisco's Certification Exams.

CFA Institute does not endorse, promote or warrant the accuracy or quality of ExamTopics. CFA® and Chartered Financial Analyst® are registered trademarks owned by CFA Institute.