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EXAM PROFESSIONAL MACHINE LEARNING ENGINEER TOPIC 1 QUESTION 38 DISCUSSIO..

Actual exam question from Google's Professional Machine Learning Engineer

Question #: 38

Topic #: 1

[All Professional Machine Learning Engineer Questions]

You have trained a text classification model in TensorFlow using AI Platform. You want to use the trained model for batch predictions on text data stored in

BigQuery while minimizing computational overhead. What should you do?

- A. Export the model to BigQuery ML.
- B. Deploy and version the model on AI Platform.
- C. Use Dataflow with the SavedModel to read the data from BigQuery.
- D. Submit a batch prediction job on AI Platform that points to the model location in Cloud Storage.

Show Suggested Answer

by A salsabilsf at June 9, 2021, 11:52 a.m.

Comments

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	A. You would want to minimize computational overhead—BigQuery minimizes such overhead upvoted 20 times
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_	A) BigQuery ML upvoted 1 times
	 ♣ girgu 4 months, 4 weeks ago Selected Answer: D Use the gcloud command to submit a batch prediction job, specifying the model location in Cloud Storage and the BigQuery table as the input source. ♠ ► upvoted 1 times
	□
	♣ Aastha_Vashist 7 months, 1 week ago Selected Answer: A Bquery to minimize computational overhead → □ upvoted 2 times
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	harithacML 1 year, 3 months ago Selected Answer: A Model: AI Platform. pred batch data: BigQuery constraint: computational overhead
	Same platform as data == less computation required to load and pass it to model upvoted 2 times
	Liting 1 year, 3 months ago Selected Answer: A minimize computational overhead—>BigQuery upvoted 2 times

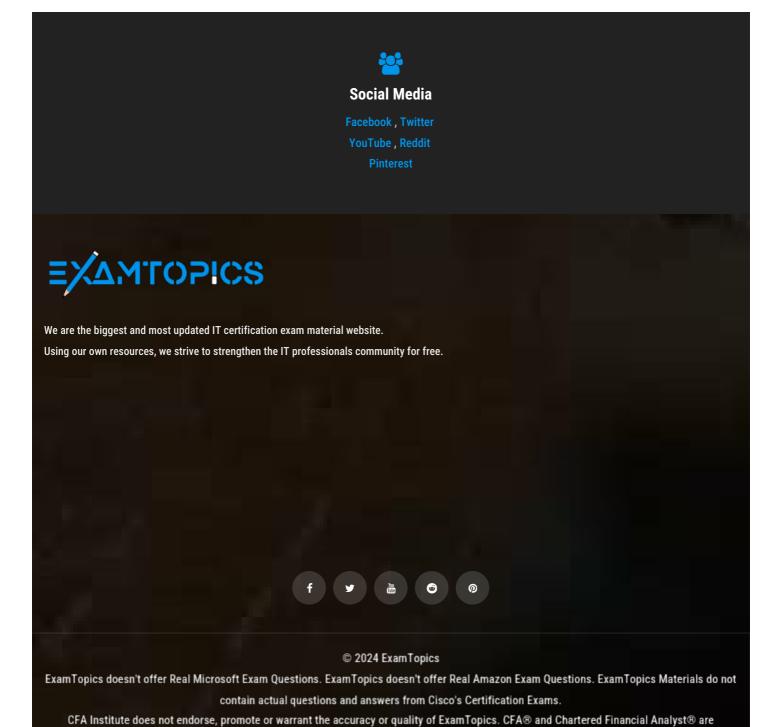
Voyager2 1 year, 4 months ago Not sure if when you have the saved model in Cloud storage that means that you don't use compute in vertex. I think that the option compute-free is bigguery upvoted 1 times E Voyager2 1 year, 4 months ago Not sure Text Classification Using BigQuery ML and ML.NGRAMS https://medium.com/@jeffrey.james/text-classification-using-bigquery-ml-and-ml-ngrams-6e365f0b5505 upvoted 1 times = & rexduo 1 year, 5 months ago Selected Answer: A I think D have extra compute on extrating data frm BQ upvoted 2 times 🖯 🏜 Darshan12 1 year, 5 months ago There are some drawbacks to option D. Cost: Submitting a batch prediction job on AI Platform is a paid service. The cost will depend on the size of the model and the amount of data that you are predicting. Complexity: Submitting a batch prediction job on AI Platform requires you to write some code. This can be a challenge if you are not familiar with AI Platform. Performance: Submitting a batch prediction job on AI Platform may not be as efficient as using BigQuery ML. This is because Al Platform needs to load the model into memory before it can run the predictions. Overall, option D is a viable option, but it may not be the best option for all situations. upvoted 2 times 🗏 🏜 M25 1 year, 5 months ago Selected Answer: D Went with D upvoted 1 times 🖃 🚨 lucaluca1982 1 year, 6 months ago Selected Answer: C why not C? upvoted 1 times 🖃 🏜 lucaluca1982 1 year, 6 months ago Selected Answer: C what about C? upvoted 1 times 😑 📤 tavva_prudhvi 1 year, 3 months ago This is an option that can be used to minimize computational overhead, but it is more complex to set up and requires you to have Dataflow installed. upvoted 2 times 🖃 🏜 king31 11 months ago Although it's more complex, the question doesn't imply any restrictions on complexity, only computational overheard upvoted 1 times 🖃 🏜 lucaluca1982 1 year, 6 months ago

Selected Answer: D

D is more straightforward

upvoted 1 times

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