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Exam Professional Machine Learning Engineer All Questions

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EXAM PROFESSIONAL MACHINE LEARNING ENGINEER TOPIC 1 QUESTION 252 DISCUSSI...

Actual exam question from Google's Professional Machine Learning Engineer

Question #: 252

Topic #: 1

[All Professional Machine Learning Engineer Questions]

You work for a company that sells corporate electronic products to thousands of businesses worldwide. Your company stores historical customer data in BigQuery. You need to build a model that predicts customer lifetime value over the next three years. You want to use the simplest approach to build the model and you want to have access to visualization tools. What should you do?

- A. Create a Vertex AI Workbench notebook to perform exploratory data analysis. Use IPython magics to create a new BigQuery table with input features. Use the BigQuery console to run the CREATE MODEL statement. Validate the results by using the ML.EVALUATE and ML.PREDICT statements.
- B. Run the CREATE MODEL statement from the BigQuery console to create an AutoML model. Validate the results by using the ML.EVALUATE and ML.PREDICT statements.
- C. Create a Vertex AI Workbench notebook to perform exploratory data analysis and create input features. Save the features as a CSV file in Cloud Storage. Import the CSV file as a new BigQuery table. Use the BigQuery console to run the CREATE MODEL statement. Validate the results by using the ML.EVALUATE and ML.PREDICT statements.
- D. Create a Vertex AI Workbench notebook to perform exploratory data analysis. Use IPython magics to create a new BigQuery table with input features, create the model, and validate the results by using the CREATE MODEL, ML.EVALUATE, and ML.PREDICT statements.

Show Suggested Answer

by Apikachu007 at Jan. 13, 2024, 3:09 p.m.

Comments

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	♣ pertoise Highly Voted 8 months ago Option B because there's no mention of "flexibility". Easy access to viz tools with Looker ↓ □ upvoted 5 times
	♣ Dirtie_Sinkie Most Recent ② 1 month ago
	Selected Answer: D Going for D
	andymetzen 1 month, 2 weeks ago
	Option D is the answer given by an official Google trainer. upvoted 1 times
	a tardigradum 2 months, 1 week ago
	Simple training and integration with visualization tools = BQ upvoted 1 times
	LaxmanTiwari 3 months, 3 weeks ago
	Selected Answer: B
	As requested: "simplest approach", the option B is the best choice.
	upvoted 2 times
	The proof of the
	omermahgoub 6 months, 1 week ago
	B. Use Bigquery ML Features to create, evaluate and predict upvoted 3 times
	å daidai75 9 months ago Selected Answer: B As requested: " simplest approach", the option B is the best choice. □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □
	♣ b1a8fae 9 months ago
	Selected Answer: B Forgot to vote.
	♣ b1a8fae 9 months ago Simplest approach that allows visualization is option B. ♠ ► upvoted 2 times
	winston9 9 months ago
	Selected Answer: B all the other options create a new BQ table, I don't think it's needed.

Selected Answer: A

pikachu007 9 months, 1 week ago

Option B: While AutoML simplifies model selection and training, it lacks the flexibility and visualization capabilities of Vertex AI Workbench.

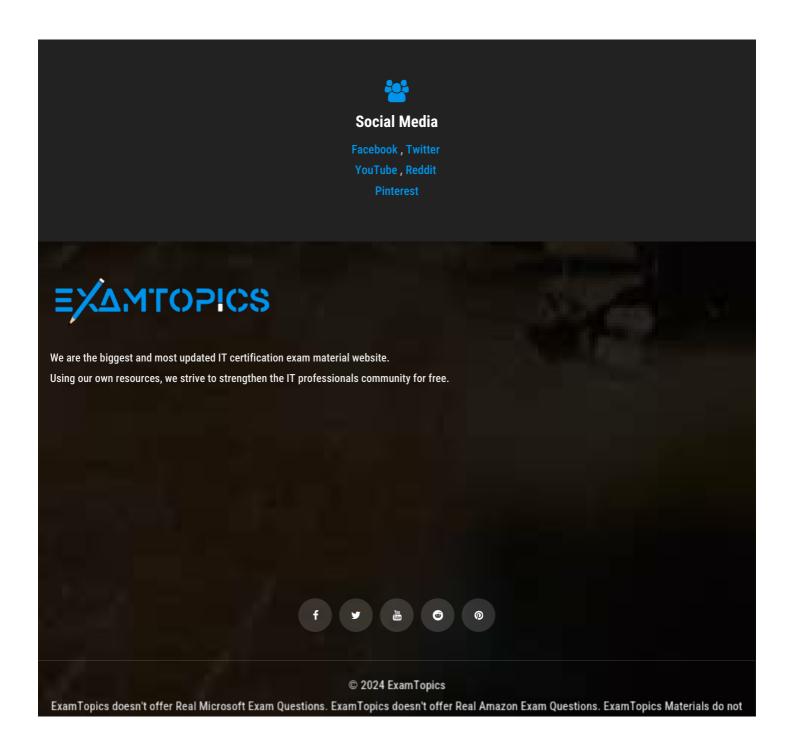
Option C: Manually saving features as CSV files and importing them back into BigQuery involves unnecessary data

movement and complexity.

Option D: Completing all steps within the notebook is possible but requires more coding and might not be as intuitive for those less familiar with BigQuery ML syntax.



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