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**Exam Professional Machine Learning Engineer All Questions** 

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**EXAM PROFESSIONAL MACHINE LEARNING ENGINEER TOPIC 1 QUESTION 156 DISCUSSI...** 

Actual exam question from Google's Professional Machine Learning Engineer

Question #: 156

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. Train a TensorFlow model on Vertex Al.
- B. Train a classification Vertex AutoML model.
- C. Run a logistic regression job on BigQuery ML.
- D. Use scikit-learn in Vertex AI Workbench user-managed notebooks with pandas library.

**Show Suggested Answer** 

by A powerby 35 at July 13, 2023, 12:50 p.m.

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☐ ♣ fitri001 6 months, 2 weeks ago

#### **Selected Answer: B**

Vertex AutoML Tables is a managed service specifically designed for building machine learning models from structured data in BigQuery, all without writing code. It automates various stages of the machine learning pipeline, including:

Exploratory data analysis: AutoML Tables performs basic data understanding to identify potential issues.

Feature selection: It can automatically select relevant features for model training.

Model building: AutoML Tables trains and evaluates various machine learning models and chooses the best performing one for classification.

Hyperparameter tuning: It automatically tunes hyperparameters to optimize model performance.

Serving: You can deploy the trained model for making predictions on new data.

upvoted 2 times

🗆 🚨 ludovikush 7 months ago

### Selected Answer: B

B, since it's specifying without writing code

upvoted 1 times

□ ♣ Carlose2108 8 months, 1 week ago

#### Selected Answer: B

No writing Code.

Option B.

upvoted 1 times

Tonygangrade 8 months, 3 weeks ago

#### Selected Answer: B

AutoML -> No writing code

upvoted 1 times

■ 36bdc1e 10 months ago

В

With automl we don't write any line of code

upvoted 1 times

■ bugger123 11 months ago

B is correct.

A and D imply writing code in TF and Sklearn respectively.

C is writing BQML code for logistic regression as well. Furthermore, how would you do the EDA and feature selection etc. without writing code?

AutoML is THE codeless solution automating all the steps mentioned above. https://cloud.google.com/automl?hl=en

upvoted 1 times

■ Nxtgen 1 year, 2 months ago

### **Selected Answer: B**

A and D would require writing code.

C. would also imply some "code writing" in BigQuery ML

I would go with B.

upvoted 1 times

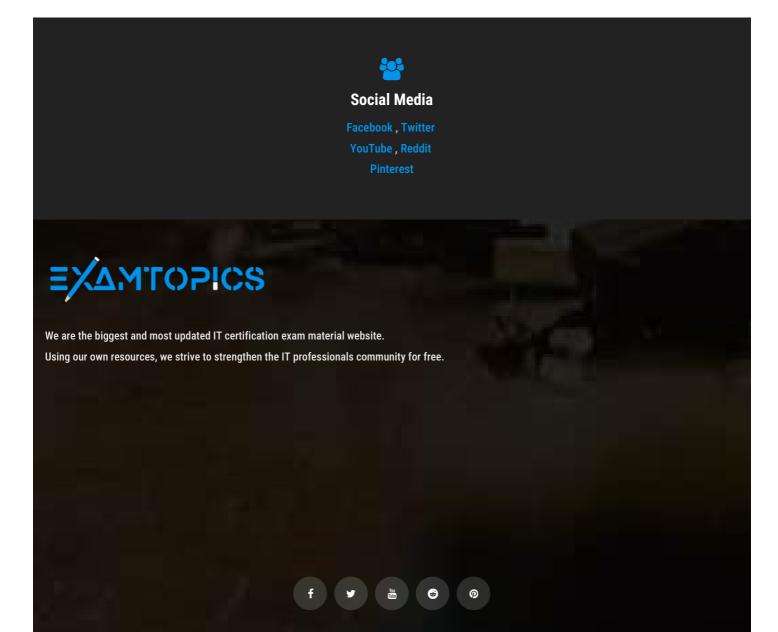
Dowerby35 1 year, 3 months ago

### Selected Answer: B

В

"without writing code"

upvoted 1 times



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