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## **Exam Professional Machine Learning Engineer All Questions**

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## **EXAM PROFESSIONAL MACHINE LEARNING ENGINEER TOPIC 1 QUESTION 29 DISCUSSIO..**

Actual exam question from Google's Professional Machine Learning Engineer

Question #: 29

Topic #: 1

[All Professional Machine Learning Engineer Questions]

You have trained a model on a dataset that required computationally expensive preprocessing operations. You need to execute the same preprocessing at prediction time. You deployed the model on AI Platform for high-throughput online prediction. Which architecture should you use?

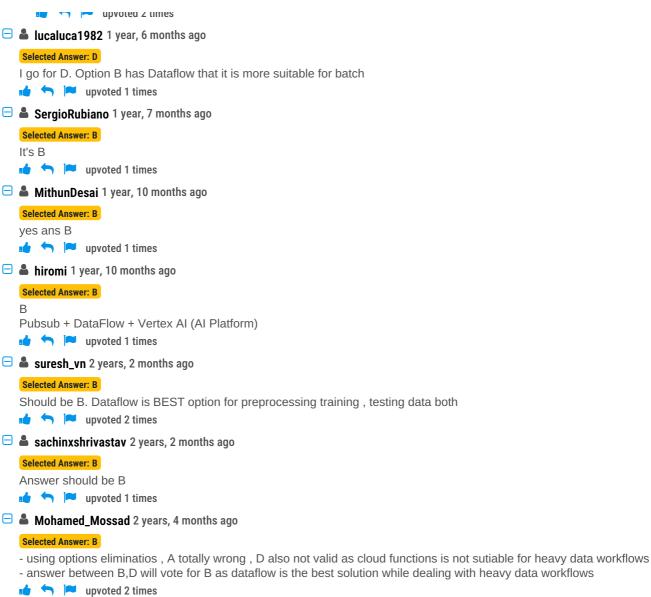
- A. Validate the accuracy of the model that you trained on preprocessed data. Create a new model that uses the raw data and is available in real time. Deploy the new model onto AI Platform for online prediction.
- B. Send incoming prediction requests to a Pub/Sub topic. Transform the incoming data using a Dataflow job. Submit a prediction request to AI Platform using the transformed data. Write the predictions to an outbound Pub/Sub queue.
- C. Stream incoming prediction request data into Cloud Spanner. Create a view to abstract your preprocessing logic. Query the view every second for new records. Submit a prediction request to AI Platform using the transformed data. Write the predictions to an outbound Pub/Sub queue.
- D. Send incoming prediction requests to a Pub/Sub topic. Set up a Cloud Function that is triggered when messages are published to the Pub/Sub topic. Implement your preprocessing logic in the Cloud Function. Submit a prediction request to Al Platform using the transformed data. Write the predictions to an outbound Pub/Sub queue.

**Show Suggested Answer** 

by A inder0007 at June 9, 2021, 9 p.m.

Type your comment  Submit  SaparkExpedition (Might Vacasia*) 3 years, 3 months ago Supporting B. https://dou.od.google.com/architecture/data-preprocessing-for-ml-with-ff-transform-pttw-force_to_do_preprocessing  A indection (160% years) 4 months ago I think it should b B  A indection (160% years) 4 months ago I also agree with B. this is how I would advise clients to do it as well  A indection (160% years) 5 months, 3 weeks ago Selected Assert D  D. The issue with B is that DataFlow does not work well with high throughput  A plilipkowd 4 months, 2 weeks ago Selected Assert D  D. The issue with B is that DataFlow does not work well with high throughput  A plilipkowd 4 months, 2 weeks ago Selected Assert D  Selected Assert D  A scandard Assert B  Went with B, using dataflow for large amount data transformation is the best option  A plilipkowd in one be get enough resource to do the high computational transformation.  A samualTsch I year, 3 months ago Selected Assert B  A samualTsch I year, 3 months ago Selected Assert B  B cause the concern here is high throughput and not specifically the latency so better to go with option B  A scandalT I year, 4 months ago  Selected Assert B  B cause the concern here is high throughput and not specifically the latency so better to go with option B  A sincomplete year of the plant of the plant of the prediction request to a Platform using the transformed data. Write the predictions to an outbound Pub/Sub queue https://datafiregation.infobuling-streaming-data-pipelines-on-google-cloud  A wyager 2 I year, 4 months ago Selected Assert B  B Send incoming prediction requests to a Pub/Sub topic. Transform the incoming data using a Dataflow job. Submit a prediction request to All Platform using the transformed data. Write the predictions to an outbound Pub/Sub queue https://datafiregation.infobuling-streaming-data-pipelines-on-google-cloud  A wyager 2 I year, 5 months ago Selected Assert B  Went with B  A pic upvoted 3 limes  A word of the transformed data. Write the predictions to	-	
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