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

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## EXAM PROFESSIONAL MACHINE LEARNING ENGINEER TOPIC 1 QUESTION 14 DISCUSSIO..

Actual exam question from Google's Professional Machine Learning Engineer

Question #: 14

Topic #: 1

[All Professional Machine Learning Engineer Questions]

You built and manage a production system that is responsible for predicting sales numbers. Model accuracy is crucial, because the production model is required to keep up with market changes. Since being deployed to production, the model hasn't changed; however the accuracy of the model has steadily deteriorated.

What issue is most likely causing the steady decline in model accuracy?

- A. Poor data quality
- B. Lack of model retraining
- C. Too few layers in the model for capturing information
- D. Incorrect data split ratio during model training, evaluation, validation, and test

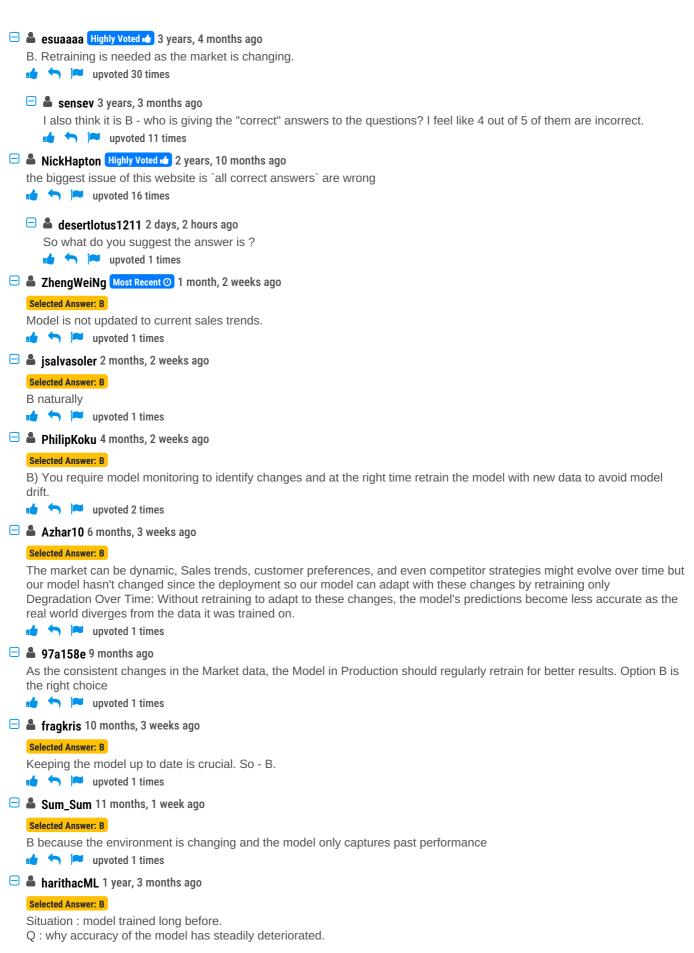
**Show Suggested Answer** 

by A esuaaaa at *June 5, 2021, 11:56 a.m.* 

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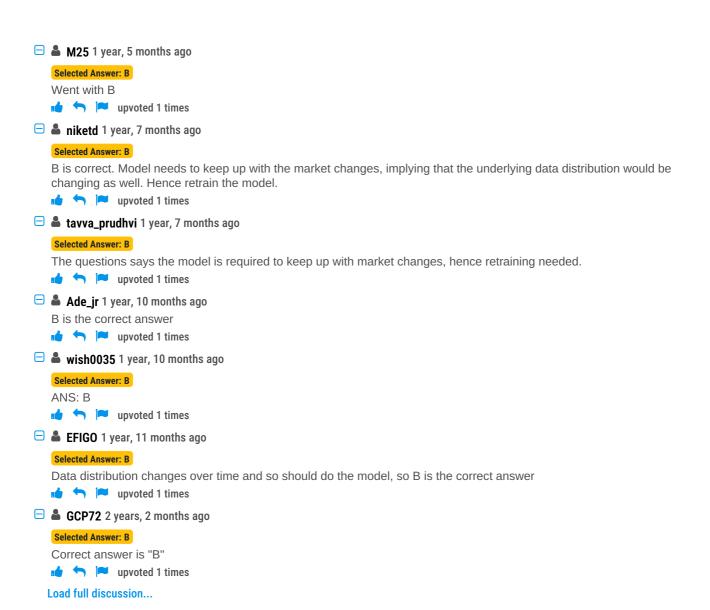
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A. Poor data quality: Model performance depens on trained model only. Quality issue should be taken care by pipeline and it do not much affect the model to cause a performance slow down over time

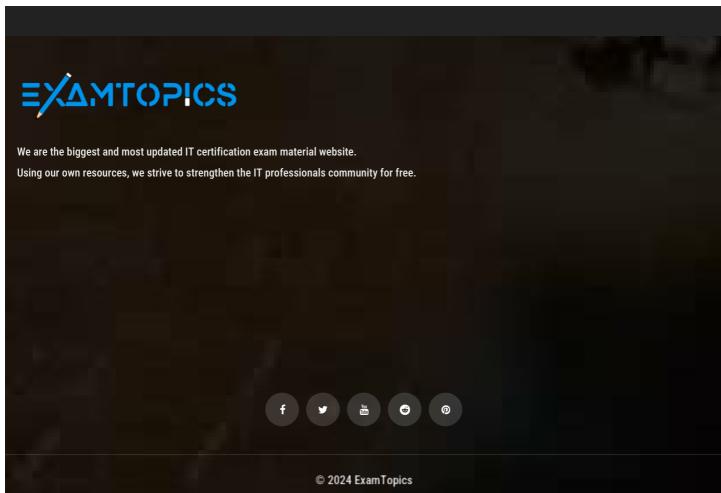
- B. Lack of model retraining: Very obvious
- C. Too few layers in the model for capturing information: If so model wpould not have been deployed at first stage due to low
- D. Incorrect data split ratio during model training, evaluation, validation, and test: This is relevant only at training when model deployed at first place, We have way passed that. Not not the reason.
- upvoted 2 times

performance on unseen data



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