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Exam Professional Machine Learning Engineer All Questions

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EXAM PROFESSIONAL MACHINE LEARNING ENGINEER TOPIC 1 QUESTION 119 DISCUSSI...

Actual exam question from Google's Professional Machine Learning Engineer

Question #: 119

Topic #: 1

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You work for a company that provides an anti-spam service that flags and hides spam posts on social media platforms. Your company currently uses a list of 200,000 keywords to identify suspected spam posts. If a post contains more than a few of these keywords, the post is identified as spam. You want to start using machine learning to flag spam posts for human review. What is the main advantage of implementing machine learning for this business case?

- A. Posts can be compared to the keyword list much more quickly.
- B. New problematic phrases can be identified in spam posts.
- C. A much longer keyword list can be used to flag spam posts.
- D. Spam posts can be flagged using far fewer keywords.

Show Suggested Answer

by  mil_spyro at Dec. 13, 2022, 2:02 p.m.

Comments

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mil_spyro **Highly Voted** 1 year, 10 months ago

Selected Answer: B

I vote B. Machine learning algorithms can learn to identify spam posts based on a wider range of factors, such as the content of the post, the user's behavior, and the context in which the post appears.

upvoted 7 times

M25 **Most Recent** 1 year, 6 months ago

Selected Answer: B

<https://cloud.google.com/blog/topics/developers-practitioners/how-spam-detection-taught-us-better-tech-support>
"Borrowing spam tech

(...) Those engineers had thought through "how do we detect a new spam campaign quickly?" Spammers rapidly send bulk messages with slight variations in content (noise, misspellings, etc.) Most classification attempts would become a game of cat and mouse since it takes classifiers some time to learn about new patterns.

Invoking a trend identification engine using unsupervised density clustering on unstructured text unlocked the ability for Gmail to detect ephemeral spam campaigns more quickly."

upvoted 1 times

TNT87 1 year, 8 months ago

Selected Answer: B

Answer B

upvoted 1 times

ares81 1 year, 10 months ago

Selected Answer: B

B screams machine learning with every letter.

upvoted 3 times

hiromi 1 year, 10 months ago

Selected Answer: B

B make sense & I agree with mill_sypro

upvoted 2 times

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