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EXAM PROFESSIONAL DATA ENGINEER TOPIC 1 QUESTION 71 DISCUSSION

Actual exam question from Google's Professional Data Engineer

Question #: 71

Topic #: 1

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You are developing an application on Google Cloud that will automatically generate subject labels for users' blog posts. You are under competitive pressure to add this feature quickly, and you have no additional developer resources. No one on your team has experience with machine learning. What should you do?




- A. Call the Cloud Natural Language API from your application. Process the generated Entity Analysis as labels.
- B. Call the Cloud Natural Language API from your application. Process the generated Sentiment Analysis as labels.
- C. Build and train a text classification model using TensorFlow. Deploy the model using Cloud Machine Learning Engine. Call the model from your application and process the results as labels.
- D. Build and train a text classification model using TensorFlow. Deploy the model using a Kubernetes Engine cluster. Call the model from your application and process the results as labels.

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by [deleted] at *March 21, 2020, 4:45 p.m.*

Comments

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  **VishalB** Highly Voted  3 years, 9 months ago

Correct Answer : A

Entity analysis -> Identify entities within documents receipts, invoices, and contracts and label them by types such as date, person, contact information, organization, location, events, products, and media.

Sentiment analysis -> Understand the overall opinion, feeling, or attitude sentiment expressed in a block of text.

-- Avoid Custom models

   upvoted 36 times

  **AzureDP900** 1 year, 4 months ago

<https://cloud.google.com/natural-language/docs/analyzing-entities>

<https://cloud.google.com/natural-language/docs/analyzing-sentiment>

   upvoted 1 times

  **[Removed]** Highly Voted  4 years, 1 month ago

should be A

   upvoted 12 times



  **Ratiki** Most Recent  1 month, 4 weeks ago

Selected Answer: A

Call the Cloud Natural Language API from your application. Process the generated Entities Analysis as labels.

The Cloud Natural Language API is a pre-trained machine learning model that can be used for natural language processing tasks such as entity recognition, sentiment analysis, and syntax analysis. The API can be called from your application using a simple API call, and it can generate entities analysis that can be used as labels for the user's blog posts. This would be the quickest and easiest option for your team since it would not require any machine learning expertise or additional developer resources to build and train a model. Additionally, it will give you accurate and up-to-date results as the API is constantly updated by Google.

   upvoted 1 times

  **Az900Exam2021** 7 months, 1 week ago

For the first time, the answer in exam topics matches community vote :-).

   upvoted 3 times

  **AmmarFasih** 11 months, 2 weeks ago

Selected Answer: A

Of course the answer is A. Since the problem already states that you don't have time, resources or expertise. So the best solution in the case is to utilize the available API. Also since we need to extract the labels and not the sentiment of the text, we'll go for option A and not B

   upvoted 2 times

  **samdhimal** 1 year, 3 months ago

A. Call the Cloud Natural Language API from your application. Process the generated Entities Analysis as labels.

The Cloud Natural Language API is a pre-trained machine learning model that can be used for natural language processing tasks such as entity recognition, sentiment analysis, and syntax analysis. The API can be called from your application using a simple API call, and it can generate entities analysis that can be used as labels for the user's blog posts. This would be the quickest and easiest option for your team since it would not require any machine learning expertise or additional developer resources to build and train a model. Additionally, it will give you accurate and up-to-date results as the API is constantly updated by Google.

   upvoted 1 times

  **AzureDP900** 1 year, 4 months ago


Answer is A

Call the Cloud Natural Language API from your application. Process the generated Entity Analysis as labels.

Entity analysis -> Identify entities within documents receipts, invoices, and contracts and label them by types such as date, person, contact information, organization, location, events, products, and media.

Sentiment analysis -> Understand the overall opinion, feeling, or attitude sentiment expressed in a block of text.

   upvoted 1 times

  **zellick** 1 year, 5 months ago

Selected Answer: A

A is the answer.

<https://cloud.google.com/natural-language/docs/analyzing-entities>

Entity Analysis inspects the given text for known entities (proper nouns such as public figures, landmarks, etc.), and returns information about those entities.

   upvoted 1 times

👍 🔄 🚩 upvoted 1 times

🗨️ 👤 **NicolasN** 1 year, 5 months ago

Apparently, there is unanimity on answer [A]
What if there was another available answer in an actual exam?

E. Call the Cloud Natural Language API from your application. Process the generated Content Classification as labels

What would you choose, A or E?

My opinion is that Content Classification is more suitable for detecting subject.

👍 🔄 🚩 upvoted 2 times

🗨️ 👤 **Remi2021** 1 year, 9 months ago

A is the right one . Doc says:
Entity analysis inspects the given text for known entities (Proper nouns such as public figures, landmarks, and so on. Common nouns such as restaurant, stadium, and so on.) and returns information about those entities. Entity analysis is performed with the analyzeEntities method.

👍 🔄 🚩 upvoted 1 times

🗨️ 👤 **waterh2oeau** 1 year, 12 months ago

Selected Answer: A

Vote for A

👍 🔄 🚩 upvoted 1 times

🗨️ 👤 **bury** 2 years, 2 months ago

Selected Answer: A

a is correct

👍 🔄 🚩 upvoted 1 times

🗨️ 👤 **JayZeeLee** 2 years, 6 months ago

A.
CD don't work as it requires Machine Learning experience.
B - Sentiment Analysis is to analyze attitude, opinion, etc. So A.

👍 🔄 🚩 upvoted 1 times

🗨️ 👤 **sumanshu** 2 years, 10 months ago

Vote for A

👍 🔄 🚩 upvoted 3 times

🗨️ 👤 **haroldbenites** 3 years, 8 months ago

A is correct

👍 🔄 🚩 upvoted 4 times

🗨️ 👤 **[Removed]** 4 years, 1 month ago

Answer: A

Description: As time is less, use cloud NLP and entity is used to label general subjects, sentiment label for sentiment analysis

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