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📄 **EXAM PROFESSIONAL MACHINE LEARNING ENGINEER TOPIC 1 QUESTION 254 DISCUSSI...**

Actual exam question from Google's Professional Machine Learning Engineer

Question #: 254

Topic #: 1

[All Professional Machine Learning Engineer Questions]

You are working on a prototype of a text classification model in a managed Vertex AI Workbench notebook. You want to quickly experiment with tokenizing text by using a Natural Language Toolkit (NLTK) library. How should you add the library to your Jupyter kernel?

A. Install the NLTK library from a terminal by using the pip install nltk command.

B. Write a custom Dataflow job that uses NLTK to tokenize your text and saves the output to Cloud Storage.

C. Create a new Vertex AI Workbench notebook with a custom image that includes the NLTK library.

D. Install the NLTK library from a Jupyter cell by using the !pip install nltk --user command.

Show Suggested Answer

by 👤 **pikachu007** at *Jan. 13, 2024, 3:22 p.m.*

Comments

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👤 **pikachu007** **Highly Voted** 👍 9 months, 1 week ago

Direct Installation: It installs the library directly within the notebook environment, making it immediately available for use.
Simplicity: It requires a single command in a Jupyter cell, eliminating the need for external tools or configuration.
User-Specific Installation: The --user flag ensures the library is installed in your user space, avoiding conflicts with system-wide packages.

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👤 **forport** `Most Recent ⊙` 2 months, 2 weeks ago

Right command : !pip install nltk --user

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👤 **fitri001** 6 months, 1 week ago

Efficiency: It allows installation directly within your notebook cell, minimizing setup time compared to creating a custom image or using an external terminal.
User-Level Installation: Using --user ensures the library is installed within your user environment, avoiding conflicts with system-wide installations or impacting other users.

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   👤 **fitri001** 6 months, 1 week ago

   A. Terminal Installation: While possible if allowed, it requires switching contexts outside the notebook and might not be permitted in managed environments.
   B. Dataflow Job: A Dataflow job is an overkill for simple library usage within a notebook. It's designed for large-scale data processing pipelines.
   C. Custom Image: Creating a custom image with NLTK requires additional development effort and can be time-consuming for quick experimentation.

   👍 ↩ 🚩 upvoted 1 times

👤 **tavva_prudhvi** 8 months, 2 weeks ago

This command installs the NLTK library directly from within your Jupyter notebook, allowing you to quickly proceed with your text tokenization experiments without needing to manage Docker images or set up external data processing jobs. The `--user` flag ensures that the library is installed in the user's space, avoiding potential conflicts with system-wide packages.

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