DeepInfra LLM Example

Contents

- Imports
- Set the Environment API Key
- Create the DeepInfra instance
- Create a Prompt Template
- Initiate the LLMChain
- Run the LLMChain

This notebook goes over how to use Langchain with DeepInfra.

Imports

```python
import os
from langchain.llms import DeepInfra
from langchain import PromptTemplate, LLMChain
```

Set the Environment API Key

Make sure to get your API key from DeepInfra. You are given a 1 hour free of serverless GPU compute to test different models. You can print your token with `deepctl auth token`

```python
os.environ["DEEPINFRA_API_TOKEN"] = "YOUR_KEY_HERE"
```

Skip to main content

Create the DeepInfra instance

Make sure to deploy your model first via `deepctl deploy create -m google/flat-t5-xl` (for example)

```python
llm = DeepInfra(model_id="DEPLOYED MODEL ID")
```

Create a Prompt Template

We will create a prompt template for Question and Answer.

```python
template = """Question: {question}

Answer: Let's think step by step."""

prompt = PromptTemplate(template=template, input_variables=["question"])
```

Initiate the LLMChain

```python
llm_chain = LLMChain(prompt=prompt, llm=llm)
```

Run the LLMChain

Provide a question and run the LLMChain.

```python
question = "What NFL team won the Super Bowl in 2015?"

llm_chain.run(question)
```