
 gpt2 text generator.ipynb ☆ 

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[1] !pip install transformers gradio

Requirement already satisfied: transformers in /usr/local/lib/python3.11/dist-packages (4.52.4)

Requirement already satisfied: gradio in /usr/local/lib/python3.11/dist-packages (5.31.0)

Requirement already satisfied: filelock in /usr/local/lib/python3.11/dist-packages (from transformers) (3.18.0)

Requirement already satisfied: huggingface-hub<1.0,>=0.30.0 in /usr/local/lib/python3.11/dist-packages (from transformers) (0.33.0)

Requirement already satisfied: numpy>=1.17 in /usr/local/lib/python3.11/dist-packages (from transformers) (2.0.2)

Requirement already satisfied: packaging>=20.0 in /usr/local/lib/python3.11/dist-packages (from transformers) (24.2)

Requirement already satisfied: pyyaml>=5.1 in /usr/local/lib/python3.11/dist-packages (from transformers) (6.0.2)

Requirement already satisfied: regex<=2019.12.17 in /usr/local/lib/python3.11/dist-packages (from transformers) (2024.11.6)

Requirement already satisfied: requests in /usr/local/lib/python3.11/dist-packages (from transformers) (2.32.3)

Requirement already satisfied: tokenizers<0.22,>=0.21 in /usr/local/lib/python3.11/dist-packages (from transformers) (0.21.2)

Requirement already satisfied: safetensors>=0.4.3 in /usr/local/lib/python3.11/dist-packages (from transformers) (0.5.3)

Requirement already satisfied: tqdm>=4.27 in /usr/local/lib/python3.11/dist-packages (from transformers) (4.67.1)

Requirement already satisfied: aiofiles<25.0,>=22.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (24.1.0)

Requirement already satisfied: anyio<5.0,>=3.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (4.9.0)

Requirement already satisfied: fastapi<1.0,>=0.115.2 in /usr/local/lib/python3.11/dist-packages (from gradio) (0.115.13)

Requirement already satisfied: ffmpy in /usr/local/lib/python3.11/dist-packages (from gradio) (0.6.0)

Requirement already satisfied: gradio-client==1.10.1 in /usr/local/lib/python3.11/dist-packages (from gradio) (1.10.1)

Requirement already satisfied: groovy==0.1 in /usr/local/lib/python3.11/dist-packages (from gradio) (0.1.2)

Requirement already satisfied: httpx>=0.24.1 in /usr/local/lib/python3.11/dist-packages (from gradio) (0.28.1)

Requirement already satisfied: jinja2<4.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (3.1.6)

Requirement already satisfied: markupsafe<4.0,>=2.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (3.0.2)

Requirement already satisfied: orjson==3.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (3.10.18)

Requirement already satisfied: pandas<3.0,>=1.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (2.2.2)

Requirement already satisfied: pillow<12.0,>=8.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (11.2.1)

Requirement already satisfied: pydantic<2.12,>=2.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (2.11.7)

python3.11/dist-packages (from gradio) (0.25.1)

Disabling and hiding generative AI features in settings. [Open settings](#) ✕

12:56 PM Python 3

GO

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→ requirement already satisfied: moun1==0.1.1 in /usr/local/lib/python3.11/dist-packages (from markdown-it-py>=2.2.0->rich>=10.11.0->typer<1.0,>=0.12->gradio) (0.1.2)

42s[2] from transformers import GPT2LMHeadModel, GPT2Tokenizer
import gradio as gr

19smodel_name = "gpt2"

tokenizer = GPT2Tokenizer.from_pretrained(model_name)
model = GPT2LMHeadModel.from_pretrained(model_name)

🔧

/usr/local/lib/python3.11/dist-packages/huggingface_hub/utils/_auth.py:94: UserWarning:
The secret 'HF_TOKEN' does not exist in your Colab secrets.
To authenticate with the Hugging Face Hub, create a token in your settings tab (<https://huggingface.co/settings/tokens>), set it as secret in your Google Colab and restart your session.
You will be able to reuse this secret in all of your notebooks.
Please note that authentication is recommended but still optional to access public models or datasets.
warnings.warn(
tokenizer_config.json: 100% ██████████ 26.0/26.0 [00:00<00:00, 498B/s]
vocab.json: 100% ██████████ 1.04M/1.04M [00:00<00:00, 2.00MB/s]
merges.txt: 100% ██████████ 456k/456k [00:00<00:00, 1.33MB/s]
tokenizer.json: 100% ██████████ 1.36M/1.36M [00:00<00:00, 7.03MB/s]
config.json: 100% ██████████ 665/665 [00:00<00:00, 30.6kB/s]
model.safetensors: 100% ██████████ 548M/548M [00:11<00:00, 80.2MB/s]

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description= generate creative text with gpt-2 based on your prompt.

interface.launch(share=True) # share=True gives you a public link

Colab notebook detected. To show errors in colab notebook, set debug=True in launch()
* Running on public URL: <https://3cfa5ded67c1de95f1.gradio.live>

This share link expires in 1 week. For free permanent hosting and GPU upgrades, run `gradio deploy` from the terminal in the working directory to deploy to Hugging Face Spaces (<https://huggingface.co/spaces>)

GPT-2 Text Generator

Generate creative text with GPT-2 based on your prompt.

prompt

Enter your prompt...

output

Clear

Submit

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