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In [ ]:
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#Libaries
from transformers import AutoTokenizer, AutoModelForCausalLM, pipeline
import torch
from sklearn.model_selection import train_test_split
import pandas as pb

#Initiateing Model and Tokenizer
device = "cuda:0" if torch.cuda.is_available() else "cpu"
tokenizer = AutoTokenizer.from_pretrained("GPT-sw3-126m-BaseLargeTunedHyp_3Epoch_myown")
model = AutoModelForCausalLM.from_pretrained("GPT-sw3-126m-BaseLargeTunedHyp_3Epoch_myown")
model.eval()
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In []:

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#Takes away all columns that have less than one procent of its boxes filled.
def taBortEnProcent(FromFile, PlaceToSave):
    data = pb.read_excel(FromFile)
    missing_percentage = (data.isnull().sum() / len(data)) * 100
    cols_to_drop = missing_percentage[missing_percentage >= 99].index
    data_filtered = data.drop(columns=cols_to_drop)

print("Shape after filtering:", data_filtered.shape)

data_filtered.to_excel(PlaceToSave, index=False)

return data_filtered
```

In []:

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#Calculate the leng of the input and takes away tokens if its to long. Then generates a t
ext.

def generating(text):
    prompt = text.strip()

    token_count = len(tokenizer.encode_plus(prompt)["input_ids"])
    max_token_count = 2048 - 140

    if token_count > max_token_count:
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end_index = len(prompt) - 7
end_seq = prompt[end_index:]
tokens = tokenizer.encode_plus(prompt[:end_index])["input_ids"]
tokens = tokens[:max_token_count]
prompt = (tokenizer.decode(tokens) + (end_seq)).strip()

generator = pipeline('text-generation', tokenizer=tokenizer, model=model, device=dev ice)
generated = generator(prompt, max_new_tokens=140, do_sample=True, temperature=0.47, top_p=1, top_k = 23, repetition_penalty = 1.05)[0]["generated_text"]
return generated
```

In []:

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#process to generate text

///

As you can see in the below functione a new file is saved after 1 % have been taken away.
So if you alredy have doen this function one time, its more time efficent
to just loade the new file directly
///

file = taBortEnProcent("From_this_file", "To_this_file")

test_texter = formatering(file)["test"]
idx = 3
generated_text = generating(test_texter[idx])
print(generated_text)
```