```
(meetingassistant) PS C:\Users\liuxing\OneDrive - HP Inc\AI_PC\meeting_assistant> pip install lmstudio^C
(meetingassistant) PS C:\Users\liuxing\OneDrive - HP Inc\AI_PC\meeting assistant> nvidia-smi
Fri May 23 22:46:35 2025
  NVIDIA-SMI 571.96 Driver Version: 571.96 CUDA Version: 12.8
   Driver-Model | Bus-Id Disp.A | Volatile Uncorr. ECC Pwr:Usage/Cap | Memory-Usage | GPU-Util Compute M.
   Fan Temp Perf
  0 NVIDIA T1200 Laptop GPU[ WDDM | 00000000:01:00.0 On | N/A | N/A 57C P8 6W / 40W | 3849MiB / 4096MiB | 11% Default |
                                                                                                                                  11% Default |
N/A |
   Processes:
    GPU GI CI
                                                                                                                                                 GPU Memory
                                                   PID Type Process name
                ID ID
                                                                                                                                                 Usage
  ______

        N/A
        N/A
        8348
        C
        ...grams\LM Studio\LM Studio.exe
        N/A

        N/A
        N/A
        9836
        C
        ...grams\LM Studio\LM Studio.exe
        N/A

        N/A
        N/A
        13304
        C+G
        C:\Windows\explorer.exe
        N/A

        N/A
        N/A
        13748
        C+G
        ...s\Zscaler\ZSATray\ZSATray.exe
        N/A

        N/A
        N/A
        16364
        C
        ...grams\LM Studio\LM Studio.exe
        N/A

        N/A
        N/A
        20744
        C
        ...grams\LM Studio\LM Studio.exe
        N/A

        N/A
        N/A
        21684
        C
        ...grams\LM Studio\LM Studio.exe
        N/A

        N/A
        N/A
        N/A
        23896
        C
        ...grams\LM Studio\LM Studio.exe
        N/A

        N/A
        N/A
        N/A
        28580
        C
        ...grams\LM Studio\LM Studio.exe
        N/A

        N/A
        N/A
        N/A
        32572
        C
        ...grams\LM Studio\LM Studio.exe
        N/A

        0 N/A N/A
        0 N/A N/A
        0 N/A N/A
        0 N/A N/A
        0
        0
        0
        0 N/A N/A
        0 N/A N/A
(meetingassistant) PS C:\Users\liuxing\OneDrive - HP Inc\AI_PC\meeting_assistant>
                                                                                                           Ctrl+K to generate a command
```



Word->token->embedding

Context window

Know how many your tokens

Temperature=0, for fact given context. 1, creativity

```
def chunk_text_by_tokens_newline(text, chuck_size=5000, overlap=800):
   tokens = 11m.tokenize(text.encode("utf-8"))
    total_tokens = len(tokens)
    print("Number of tokens:", total_tokens)
    chunks = []
    i=0
    while i < total_tokens:</pre>
       print("Chunk start index:", i)
       chunk_tokens = tokens[i:i + chuck_size]
       chunk_text = llm.detokenize(chunk_tokens).decode("utf-8", errors="ignore")
        if i != 0:
            first_newline = chunk_text.find(".\n")
           first_newline = 0
        last_newline = chunk_text.rfind("\n")
        if last_newline != -1:
           chunk_text = chunk_text[first_newline:last_newline + 1]
        chunks.append(chunk_text)
        if i + chuck_size >= total_tokens:
           break
        i += len(llm.tokenize(chunk_text.encode("utf-8"))) - overlap
    return chunks
meeting_dir = '.\\data\\W3C_Credentials_Community_Group_Meetings'
folder_name = '2020-01-07'
document_path = os.path.join(meeting_dir, folder_name, 'email.log')

Review next file
with open(document_path, 'r', encoding='utf-8') as f:
    text = f.read()
```

Inference token limit: response max tokens

Ground truth labeled using gpt (api) Response difference embedding similarity or Feed responses to gpt to analyze similarity

Frequency, repeatedly listen a sad song (larger weight) vs. multiple sad songs Search music (larger weight)