

Virtual- Health Counselor: Postpartum-Care, Anxiety and Stress

The Chatbot has collection of Prompts for Generating role-playing scenarios, questions, and instructions related to “Postpartum Care anxiety and stress”. The Chatbot first try to give Output upon prompt text data. These prompt techniques used with the OpenAI language model Text-davinci-003 and Markdown to Structure and present information in a clear and Organized-Manner. and to generate responses that provide support, advice, and information for new mothers experiencing postpartum anxiety.

Different prompts such as:

- o Open ended
- o Instruction
- o Multiple Choice
- o Fill in the blank
- o Binary
- o Ordering
- o Prediction
- o Explanation
- o Opinion
- o Scenario
- o Comparative
 - Role play
 - Chained
 - Linked
 - Tree of thought
 - Instructional
 - Add Examples
 - Temperature

I've designed a User Interface(UI) with an Avatar, for the Chatbot model. Along with that I have added Voice Recognition feature, Speak back for Voice Input-Output.

1. I have added the Voice Recognition feature:

I have used Speech Recognition and for it I have used Google Speech Recognizer.

The user can speak and can ask any question just by pressing letter S in the text box,

the text box takes it as an instruction, to switch for Recording and analyze the voice to give its Output.

2. I have added Voice Response:

I have used PYTTX3 (Python Text-to-Speech Ver.3) for speaking back the Voice Input and Output.

Now, If the user using the chatbot with their voice it is also reading back both, it's Input and the Output.

3.I have added User Interface:

I have used tkinter, to create Interface, created Text box, Output box, Enter Button and an Avatar to interact with.

Steps to Run:

install all the Requirement

pip install openai pyttsx3 SpeechRecognition

Replace api key

Replace Avatar location

Below, I have also attached the Chatbot Response





Hello, I am Kingston, your Executive Coach.

Give Input:

Arrange the strategies for reducing postpartum stress in order of effectiveness, starting from the most effective to the least effective

Output will appear here...

YOU: Arrange the strategies for reducing postpartum stress in order of effectiveness, starting from the most effective to the least effective

Coach: 1. Seeking professional therapy or counseling
2. Creating a support network of family and friends
3. Engaging in regular exercise
4. Implementing stress management techniques, such as meditation or yoga
5. Practicing deep breathing exercises

Enter