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Understanding the emotional dynamics of participants during interviews is crucial for various applications, from psychological research to market analysis. Interviews often give a range of emotions that can provide deep insights into participants' attitudes, experiences, and reactions to several topics. Analyzing these emotional responses can help researchers and practitioners tailor their approaches, improve engagement strategies, and derive more nuanced interpretations of the data collected.

The goal of this project is to visually analyze the emotional responses of participants across multiple interview sessions. By examining both positive and negative emotions expressed during these sessions, the project aims to discover patterns that could inform non-technical people about the understanding of participants' perspectives.

- Data preprocessing for interview transcripts
- Perform prompt engineering by leveraging AI tools to extract key aspects from data.
- Categorizing data into text, emotions, topics
- Visualizing the data for easy interpretation and storytelling.

Performing emotional analysis for participants is important in healthcare because it can help in developing personalized treatments, predicting outcomes, and identifying potential risk factors. It can also help in comparative studies and identifying the best course of action for a patient based on the implications such as support from medical professionals, support for coping.

In conclusion, this project aimed to analyze the emotional landscape of participants in health interviews and how certain dynamics which in this case was their children can shift their mental state. By applying prompt engineering using AI, the project was able to predict multiple participants emotional patterns for specific topics along with the participants behaviors. These studies can be valuable for future use.

You should mention your thought process for choosing your answers

