

Title: Emotional Chatbot

Abstract: We're building an emotional AI chatbot. On top of the normal conversational functionality, we will implement emotion cause extraction performed on user input. Since this concept is newer and relatively undocumented, if we are unable to replicate the results (particularly in constructing an adequate dataset), we will fall back to emotion correlation extraction - performing sentiment analysis on user input and then performing named entity recognition to associate entities with sentiments as a method toward emotion correlation extraction.

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