

VALUE PROPOSALS from the EMPATHIC project

1. Automatic transcription of the user speech. Capacity to transcribe the conversation into text.
2. Automatic extraction of concepts and ideas from the user speech.
3. Automatic capacity to recognize and link different emotions to audio extracts coming from conversations with the user (based on tone, words used and rhythmicity).
4. Capacity to recognize emotional status from the videos recorded during conversations with the user (based on facial expressions, eye tracking and blinking). In addition, altered status such depressive symptoms can be also detected.
5. Capacity to provide speech feedback with a human-like sound and tone.
6. Automatic capacity to provide coherent feedback on-demand, including social characteristics of human interlocutors
7. Visual and pleasant agent that can automatically adapt its facial expression to the message provided
8. Automatic capacity to identify and transcribe general aspects that the user want to improve or address. In other words, identify user goals or needs through conversation. E.g. to introduce more vegetables on his/her diet, to increase outdoors activities etc.
9. Automatic capacity to identify, through conversation, difficulties or obstacles that may limit user activities or the achievement of his/her goals.
10. Automatically build a personalized supporting plan for the user that will be deployed through conversation. The plan supports healthy habits and it is based on the user needs, feedback and his/her background.
11. Capacity to facilitate interaction human-machine through the voice. Open question, in which situation could you imagine that this interaction may represent and advantage.