BLINK: Augmenting Telepsychiatry

Real-Time Microexpression Sentiment Analysis

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BLINK: AUGMENTING TELEPSYCHIATRY WITH REAL-TIME MICROEXPRESSION ANALYSIS

Telepsychiatry is a rapidly growing field that offers patients an unprecedented level of accessibility to mental health resources. Dividing attention between delivering questions, watching for emotional cues, and recording notes can place a cognitive burden on the caretaker and result in missed cues.

We used open computer vision and Indico's Facial Emotion Recognition API to create a system that provides real-time, objective data on a patient's emotions based on their facial expressions in short timeframes, to provide contextual data to questions, and in long timeframes, to establish the mood of a session and changes between sessions.