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(57) Abstract :
The massive and growing burden imposed on modern society by depression has motivated investigations into early detection through automated and scalable methods. This project presents a novel multi-level attention-based network for multi-modal depression detection that fuses features from audio, video and text modalities which is highly effective, either alone or fused. The multi-level attention reinforces overall learning by selecting the most influential features in video by using Haar Cascades.The Haar algorithm works by detecting and extracting features from an image, and then using these features to differentiate between different objects in the image. To cope with the challenges of finding effective depression-related features, especially for degraded recording conditions by using machine learning algorithm such as Convolutional Neural Network (CNN) the emotions will be classified based on the extracted features from the audio. NLP (Natural Language Processing) is used for text emotion recognition which extracts various features from text, such as word choice, sentiment and syntax, that can be used to predict emotions

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