

Building a facial emotion analysis system from video using deep learning models

Pham Quoc An

Abstract: This topic focuses on the necessity of developing emotion sensing technology in the fields of communication and artificial intelligence. The goal is to build an automatic system for analyzing facial emotions from video based on deep learning models, aiming for applications in various fields such as marketing, mental health, and education. The research methodology includes experimentation with modern deep learning algorithms to evaluate system performance. Expected results will confirm the wide applicability and potential to improve quality of life through a deeper understanding of human emotions.

Keywords: emotion analysis, deep learning model, emotion sensor