

Building a facial emotion recognition system with Yolov5

Nguyen Dinh Tiem

Abstract: In the context of the increasingly popular application of artificial intelligence technology, developing a facial emotion recognition system is necessary to support fields such as mental health, education, and communication. This project aims to build and deploy a system based on Yolov5 to analyze users' emotional states. The research method includes training the model with a large dataset and validating performance through real-world tests. The expected result is to provide a useful solution for early diagnosis of psychological conditions and support emotion management.

Keywords: Emotion recognition, Yolov5, Artificial intelligence