

Building a model to detect aggressive postures and fighting behavior using the YOLO model

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Abstract: In the context of increasing attention to social security, the development of an automatic surveillance system can play an important role. This topic focuses on building a model based on YOLO to detect aggressive postures and fighting behaviors from videos. The goal of the research is to address the problem of quickly and accurately identifying harmful actions in real time, contributing to improving surveillance efficiency and conflict prevention. The method combines deep learning and image processing techniques to build a system that can be deployed in practice. The topic hopes to provide a useful solution for social security applications.

Keywords: YOLO, Pose detection, Fighting behavior, Automatic surveillance, Social security