

Title: Advances in AI for Object Detection

Abstract:

This paper explores modern approaches in object detection, including YOLOv8, DETR, and Faster R-CNN. We summarize key findings, methods, and results.

Method:

YOLOv8 demonstrated faster training and inference compared to previous models.

Results:

YOLOv8 achieved 56.8 mAP on COCO dataset, outperforming YOLOv7.