

Review of: "Comparing YOLOv8 and Mask RCNN for object segmentation in complex orchard environments"

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Potential competing interests: No potential competing interests to declare.

The paper is well-structured and provides a comprehensive comparison between YOLOv8 and Mask R-CNN for instance segmentation in agricultural settings. The methodology is thorough, and the results are clearly presented and discussed. The study's conclusions are well-supported by the data, and the implications for future applications in smart farming are convincingly argued. Minor improvements could include a deeper exploration of the limitations of each model and potential areas for further research.

Overall, this paper makes a significant contribution to the field of agricultural automation and demonstrates the practical advantages of YOLOv8 in real-world applications.

40